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Record 1 of 1000

Title: Activity of bimetallic gold-copper catalysts in the photodegradation of malachite green and the photosynthesis of 1,2,3-triazole derivatives

Author(s): Moussa, SB (Moussa, Sana Ben)

Source: REACTION KINETICS MECHANISMS AND CATALYSIS **Volume:** 136 **Issue:** 4 **Pages:** 2379-2396 **DOI:** 10.1007/s11144-023-02451-7 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 2 of 1000

Title: Adsorption of triclosan from aqueous solutions via novel metal-organic framework: Adsorption isotherms, kinetics, and optimization via Box-Behnken design

Author(s): Al Nami, SY (Al Nami, Samar Y.); Hossan, A (Hossan, Aisha)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 382 **Article Number:** 122065 **DOI:** 10.1016/j.molliq.2023.122065 **Early Access Date:** MAY 2023 **Published:** JUL 15 2023

Record 3 of 1000

Title: New Functionalized Morpholinotiazole Derivatives: Regioselective Synthesis, Computational Studies, Anticancer Activity Evaluation, and Molecular Docking Studies

Author(s): Assiri, MA (Assiri, Mohammed A.); Ali, TE (Ali, Tarik E.); Alqahtani, MN (Alqahtani, Maha N.); Shaaban, IA (Shaaban, Ibrahim A.); Shati, AA (Shati, Ali A.); Alfaihi, MY (Alfaihi, Mohammad Y.); Elbehairi, SEI (Elbehairi, Serag E. I.)

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 27 **Issue:** 22 **Pages:** 1985-1998 **DOI:** 10.2174/0113852728274686231204053638 **Published:** 2023

Record 4 of 1000

Title: Metal-doped carbon quantum dots for catalytic discoloration of methylene blue in day light

Author(s): Abu-Melha, S (Abu-Melha, Sraa)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 447 **Article Number:** 115233 **DOI:** 10.1016/j.jphotochem.2023.115233 **Early Access Date:** OCT 2023 **Published:** JAN 15 2024

Record 5 of 1000

Title: Remarkable Effect of Single-Doped and Double-Doped Nano Co₃O₄ on the Photodegradation of Dianix Blue Dye

Author(s): Abu-Melha, S (Abu-Melha, Sraa)

Source: JOURNAL OF CLUSTER SCIENCE **DOI:** 10.1007/s10876-023-02490-z **Early Access Date:** AUG 2023

Record 6 of 1000

Title: Estimation of the performances of creatine and creatinine as eco-friendly corrosion inhibitors for copper in sodium hydroxide solution

Author(s): Al Bahir, A (Al Bahir, Areej)

Source: INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE **Volume:** 18 **Issue:** 4 **Article Number:** 100040 **DOI:** 10.1016/j.ijoes.2023.100040 **Early Access Date:** MAR 2023 **Published:** APR 2023

Record 7 of 1000

Title: Optical authentication strategy using sodium alginate nanoparticles encapsulating lanthanide-doped aluminate

Author(s): Al Name, SY (Al Name, Samar Y.); Hossan, A (Hossan, Aisha)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 446 **Article Number:** 115136 **DOI:** 10.1016/j.jphotochem.2023.115136 **Early Access Date:** SEP 2023 **Published:** JAN 1 2024

Record 8 of 1000

Title: Development of Photochromic Authentication Patterns Using Self-Healable Sodium Alginate Hydrogel: Optical Strategy Toward Confidential Information Encryption

Author(s): Hossan, A (Hossan, Aisha); Al Nami, SY (Al Nami, Samar Y.)

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING **DOI:** 10.1007/s13369-023-08488-z **Early Access Date:** DEC 2023

Record 9 of 1000

Title: A 'turn-off' fluorescence sensor for selective Hg(II) based on phenothiazine derivative

Author(s): Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.)

Source: LUMINESCENCE **Volume:** 38 **Issue:** 10 **Pages:** 1702-1710 **DOI:** 10.1002/bio.4561 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 10 of 1000

Title: Synthesis, antioxidant effectiveness, and docking study of new benzothiazolyl-chromenone-based fluorophores

Author(s): Hossan, A (Hossan, Aisha); Al-nami, SY (Al-nami, Samar. Y. Y.)

Source: LUMINESCENCE **Volume:** 38 **Issue:** 8 **Pages:** 1485-1492 **DOI:** 10.1002/bio.4530 **Early Access Date:** JUN 2023 **Published:** AUG 2023

Record 11 of 1000

Title: Design, synthesis, characterization, and antimicrobial evaluation of some new pyridine and chromene derivatives containing Lidocaine analogue

Author(s): Alzahrani, AY (Alzahrani, Abdullah Y.)

Source: JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 27 **Issue:** 2 **Article Number:** 101620 **DOI:** 10.1016/j.jscs.2023.101620 **Early Access Date:** MAR 2023 **Published:** MAR 2023

Record 12 of 1000

Title: Facile preparation of smart nanocomposite adhesive with superhydrophobicity and photoluminescence

Author(s): Al Nami, SY (Al Nami, Samar Y.); Hossan, A (Hossan, Aisha)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 303 **Article Number:** 123236 **DOI:** 10.1016/j.saa.2023.123236 **Early Access Date:** AUG 2023 **Published:** DEC 15 2023

Record 13 of 1000

Title: Anti-amnesic and anti-cholinesterase activities of α -asarone against scopolamine-induced memory impairments in rats (vol 26, pg 6344, 2022)

Author(s): Venkatesan, K (Venkatesan, K.)

Source: EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES **Volume:** 27 **Issue:** 8 **Pages:** 3218-3218 **Published:** 2023

Record 14 of 1000

Title: A simple synthetic approach to the construction of novel 2-amino-5-mercapto-6-(mercaptomethyl)-4-aryl-4H-pyran-3-carbonitriles

Author(s): Ali, TE (Ali, Tarik E. E.); Assiri, MA (Assiri, Mohammed A. A.)

Source: JOURNAL OF SULFUR CHEMISTRY **Volume:** 44 **Issue:** 6 **Pages:** 683-693 **DOI:** 10.1080/17415993.2023.2249163 **Early Access Date:** AUG 2023 **Published:** NOV 2 2023

Record 15 of 1000

Title: Thin-film composite polymer membranes based on nylon and halloysite: synthesis, characterization, and performance

Author(s): Alghamdi, MM (Alghamdi, Majed M.); El-Zahhar, AA (El-Zahhar, Adel A.)

Source: CHEMICAL PAPERS **Volume:** 77 **Issue:** 7 **Pages:** 3679-3689 **DOI:** 10.1007/s11696-023-02730-6 **Early Access Date:** FEB 2023 **Published:** JUL 2023

Record 16 of 1000

Title: Recyclization of morpholinochromonylidene-thiazolidinone using nucleophiles: facile synthesis, cytotoxic evaluation, apoptosis, cell cycle and molecular docking studies of a novel series of azole, azine, azepine and pyran

derivatives

Author(s): Ali, TE (Ali, Tarik E.); Assiri, MA (Assiri, Mohammed A.); Alqahtani, MN (Alqahtani, Maha N.); Shati, AA (Shati, Ali. A.); Alfaifi, MY (Alfaifi, Mohammad. Y.); Elbehairi, SEI (Elbehairi, Serag. E. I.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 27 **Pages:** 18658-18675 **DOI:** 10.1039/d3ra02777e **Published:** JUN 15 2023

Record 17 of 1000

Title: Preparation of photochromic and afterglow concrete from recycled polystyrene plastic waste immobilized with strontium aluminate nanoparticles

Author(s): Abu-Melha, S (Abu-Melha, Sraa)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 450 **Article Number:** 115435 **DOI:** 10.1016/j.jphotochem.2023.115435 **Early Access Date:** DEC 2023 **Published:** MAY 1 2024

Record 18 of 1000

Title: Box-Behnken design for the optimization of the photocatalytic degradation of methyl orange using gold-platinum bimetallic nanoparticles doped-1D titania

Author(s): Ben Moussa, S (Ben Moussa, Sana)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 447 **Article Number:** 115284 **DOI:** 10.1016/j.jphotochem.2023.115284 **Early Access Date:** OCT 2023 **Published:** JAN 15 2024

Record 19 of 1000

Title: Synthesis, cytotoxic evaluation, apoptosis, cell cycle, and molecular docking studies of some new 5-(arylidene/heteroarylidene)-2-(morpholinoimino)-3-phenylthiazolidin-4-ones

Author(s): Assiri, MA (Assiri, Mohammed A.); Ali, TE (Ali, Tarik E.); Alqahtani, MN (Alqahtani, Maha N.); Shati, AA (Shati, Ali. A.); Alfaifi, MY (Alfaifi, Mohammed. Y.); Elbehairi, SEI (Elbehairi, Serag. E. I.)

Source: SYNTHETIC COMMUNICATIONS **Volume:** 53 **Issue:** 15 **Pages:** 1240-1261 **DOI:** 10.1080/00397911.2023.2217963 **Early Access Date:** MAY 2023 **Published:** AUG 3 2023

Record 20 of 1000

Title: Sustainable landfill sites selection using geospatial information and AHP-GDM approach: A case study of Abha-Khamis in Saudi Arabia

Author(s): Arshad, M (Arshad, Muhammad); Abul Hasan, M (Abul Hasan, Mohd); Al Mesfer, MK (Al Mesfer, Mohammed K.); Al Alwan, BA (Al Alwan, Basem Abdullah); Qureshi, MN (Qureshi, Mohamed Noor); Eldirderi, M (Eldirderi, Moutaz)

Source: HELIYON **Volume:** 9 **Issue:** 6 **Article Number:** e16432 **DOI:** 10.1016/j.heliyon.2023.e16432 **Early Access Date:** JUN 2023 **Published:** JUN 2023

Record 21 of 1000

Title: Application of the metallized titanate nanorod in the photodegradation of methyl orange

Author(s): Ben Moussa, S (Ben Moussa, Sana)

Source: REACTION KINETICS MECHANISMS AND CATALYSIS **Volume:** 136 **Issue:** 4 **Pages:** 2397-2408 **DOI:** 10.1007/s11144-023-02460-6 **Early Access Date:** AUG 2023 **Published:** AUG 2023

Record 22 of 1000

Title: An overview of ion channels therapeutics in the treatment of pain

Author(s): Asiri, YI (Asiri, Yahya I.); Hassan, MZ (Hassan, Mohd. Zaheen)

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 16 **Issue:** 10 **Article Number:** 105180 **DOI:** 10.1016/j.arabjc.2023.105180 **Early Access Date:** JUL 2023 **Published:** OCT 2023

Record 23 of 1000

Title: Synthesis, Molecular Modelling, and Antiproliferative Activity of New Thiadiazole-Pyrazolotriazine and Thiadiazole-Pyrazolopyrimidine Hybrids

Author(s): Abu-Melha, S (Abu-Melha, Sraa)

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING **DOI:** 10.1007/s13369-023-08137-5 **Early Access Date:** AUG 2023

Record 24 of 1000

Title: Studies on the synthesis, spectroscopy, thermal properties, docking, and biology of new Schiff base and its mono- and binuclear complexes

Author(s): Abou-Melha, K (Abou-Melha, Khlood)

Source: JOURNAL OF MOLECULAR RECOGNITION **Volume:** 36 **Issue:** 7 **Article Number:** e3026 **DOI:** 10.1002/jmr.3026 **Early Access Date:** MAY 2023 **Published:** JUL 2023

Record 25 of 1000

Title: Cocktail co-sensitization of two novel metal-free dyes and N-719: A promising strategy for enhanced performance of dye-sensitized solar cells

Author(s): Al Name, SY (Al Name, Samar Y.); Hossan, A (Hossan, Aisha)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 445 **Article Number:** 115072 **DOI:** 10.1016/j.jphotochem.2023.115072 **Early Access Date:** AUG 2023 **Published:** NOV 1 2023

Record 26 of 1000

Title: Molecular modeling and cytotoxic activity of new thiadiazole-pyrazole hybridized with thiazole

Author(s): Abu-Melha, S (Abu-Melha, Sraa)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1291 **Article Number:** 135977 **DOI:** 10.1016/j.molstruc.2023.135977 **Early Access Date:** JUN 2023 **Published:** NOV 5 2023

Record 27 of 1000

Title: Microwave-assisted solvent-free synthesis of some novel thiazole-substituted thiosemicarbazone analogues: antimicrobial and anticancer studies

Author(s): Hossan, A (Hossan, Aisha)

Source: LUMINESCENCE **Volume:** 38 **Issue:** 11 **Pages:** 1955-1967 **DOI:** 10.1002/bio.4587 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 28 of 1000

Title: Functionalized amino Al-MOF as a novel fluorescence chemosensor for determination of Pb²⁺ in aqueous solution

Author(s): Abu-Melha, S (Abu-Melha, Sraa)

Source: APPLIED ORGANOMETALLIC CHEMISTRY **Volume:** 37 **Issue:** 11 **Article Number:** e7257 **DOI:** 10.1002/aoc.7257 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 29 of 1000

Title: Remarkable enhancement in the photocatalytic activity of porous CeO₂ nanoparticles through nickel doping for wastewater treatment

Author(s): Atran, AA (Atran, Amal A.); Ibrahim, FA (Ibrahim, Fatma A.); Awwad, NS (Awwad, Nasser S.); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.); Hamdy, MS (Hamdy, Mohamed S.)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 31 **Article Number:** 2082 **DOI:** 10.1007/s10854-023-11554-9 **Published:** NOV 2023

Record 30 of 1000

Title: Application of Doped Clay by Plasmonic Nanoparticles in the Suzuki-Miyaura Cross-Coupling Reaction

Author(s): Nasr, S (Nasr, Samia)

Source: JOURNAL OF ELECTRONIC MATERIALS **Volume:** 52 **Issue:** 8 **Special Issue:** SI **Pages:** 5362-5376 **DOI:** 10.1007/s11664-023-10468-w **Early Access Date:** MAY 2023 **Published:** AUG 2023

Record 31 of 1000

Title: Numerical approach for the modified heat transport process under improved Darcian and nonlinear mixed convective effects

Author(s): Anjum, A (Anjum, Aisha); Alraih, AM (Alraih, Alhafez M.); Elamin, KMA (Elamin, Khalda Mohamed Ahmed)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 51 **Article Number:** 103502 **DOI:** 10.1016/j.csite.2023.103502 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 32 of 1000

Title: Novel MgO and Ag/MgO nanoparticles green-synthesis for antibacterial and photocatalytic applications: A kinetics-mechanism & recyclability

Author(s): Shkir, M (Shkir, Mohd.); Alabdulaal, TH (Alabdulaal, T. H.); Manthrammel, MA (Manthrammel, M. Aslam); Khan, FS (Khan, Farhat S.)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 449 **Article Number:** 115398 **DOI:** 10.1016/j.jphotochem.2023.115398 **Early Access Date:** DEC 2023 **Published:** APR 1 2024

Record 33 of 1000

Title: Metformin Inhibits ROS/TNF- α Axis-Mediated Chronic Kidney Disease Induced by TAA Independent of Leukocyte Infiltration in Association with the Inhibition of Kidney Injury Biomarkers

Author(s): Al-Hashem, F (Al-Hashem, Fahaid)

Source: INTERNATIONAL JOURNAL OF MORPHOLOGY **Volume:** 41 **Issue:** 4 **Pages:** 1191-1197 **Published:** AUG 2023

Record 34 of 1000

Title: Repurposing of approved drugs for targeting CDK4/6 and aromatase protein using molecular docking and molecular dynamics studies

Author(s): Yousif, FA (Yousif, Fatima A.); Alzain, AA (Alzain, Abdulrahim A.); Alraih, AM (Alraih, Alhafez M.); Ibraheem, W (Ibraheem, Walaa)

Source: PLOS ONE **Volume:** 18 **Issue:** 9 **Article Number:** e0291256 **DOI:** 10.1371/journal.pone.0291256 **Published:** SEP 8 2023

Record 35 of 1000

Title: Synthesis and characterization of sesame oil based plasticizers for reversible bonding in thermally detachable polyurethane adhesives

Author(s): Atif, M (Atif, Muhammad); Ali, B (Ali, Basharat); Imran, M (Imran, Muhammad); Riaz, NN (Riaz, Nagina Naveed); Abdullah, M (Abdullah, Muhammad); Ahmad, MH (Ahmad, Muhammad Hassan); Mehmood, RA (Mehmood, Rana Adeel)

Source: SUSTAINABLE MATERIALS AND TECHNOLOGIES **Volume:** 39 **Article Number:** e00793 **DOI:** 10.1016/j.susmat.2023.e00793 **Early Access Date:** DEC 2023 **Published:** APR 2024

Record 36 of 1000

Title: Improving the Photocatalytic Performance of Porous Ceria under Visible Light Illumination *via* Mn Incorporation

Author(s): Atran, AA (Atran, Amal A.); Hamdy, MS (Hamdy, Mohamed S.)

Source: CATALYSTS **Volume:** 13 **Issue:** 3 **Article Number:** 523 **DOI:** 10.3390/catal13030523 **Published:** MAR 2023

Record 37 of 1000

Title: Theoretical and experimental studies on mechanochromic triphenylamine based fluorescent "ON-OFF-ON" sensor for sequential detection of Fe³⁺ and deferasirox

Author(s): Alzahrani, AYA (Alzahrani, Abdullah Yahya Abdullah); Khan, KO (Khan, Khanzadi Omama); Rafique, S (Rafique, Sanwa); Irshad, H (Irshad, Hasher); Khan, AM (Khan, Asad Muhammad); Shahzad, SA (Shahzad, Sohail Anjum)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 297 **Article Number:** 122745 **DOI:** 10.1016/j.saa.2023.122745 **Early Access Date:** APR 2023 **Published:** SEP 5 2023

Record 38 of 1000

Title: Triazine based fluorescent sensor for sequential detection of Hg²⁺ and L-Cysteine in real samples and application in logic Gate: A combination of Extensive experimental and theoretical analysis

Author(s): Irshad, H (Irshad, Hasher); Assiri, MA (Assiri, Mohammed A.); Rafique, S (Rafique, Sanwa); Khan, AM (Khan, Asad Muhammad); Imran, M (Imran, Muhammad); Shahzad, SA (Shahzad, Sohail Anjum)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 300 **Article Number:** 122934 **DOI:** 10.1016/j.saa.2023.122934 **Early Access Date:** JUN 2023 **Published:** NOV 5 2023

Record 39 of 1000

Title: Personal Protective Equipment as a Potential Source of Phthalate Exposure during the COVID-19 Pandemic
Author(s): Oteef, MDY (Oteef, Mohammed D. Y.); Otaif, KD (Otaif, Khadejah D.); Idris, AM (Idris, Abubakr M.)
Source: APPLIED SCIENCES-BASEL **Volume:** 13 **Issue:** 16 **Article Number:** 9076 **DOI:** 10.3390/app13169076 **Published:** AUG 2023

Record 40 of 1000

Title: New fluorescent probe for sensing of mefenamic acid in aqueous medium: An integrated experimental and theoretical analysis

Author(s): Rafique, S (Rafique, Sanwa); Alzahrani, AYA (Alzahrani, Abdullah Yahya Abdullah); Khadija (Khadija); Irshad, H (Irshad, Hasher); Khan, AM (Khan, Asad Muhammad); Shahzad, SA (Shahzad, Sohail Anjum)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 300 **Article Number:** 122946 **DOI:** 10.1016/j.saa.2023.122946 **Early Access Date:** MAY 2023 **Published:** NOV 5 2023

Record 41 of 1000

Title: Treatment of Produced Water Using Prepared Activated Carbon-Based Sewage Sludge

Author(s): Al Dawery, SK (Al Dawery, Salam K.); Al-Sawai, MK (Al-Sawai, Maroa K.); Al Muzami, GMS (Al Muzami, Ghatara M. S.); Annamareddy, SHK (Annamareddy, Sri Hari K.); Al Dawari, MS (Al Dawari, Muataz S.); Harharah, RH (Harharah, Ramzi H.); Harharah, HN (Harharah, Hamed N.); Amari, A (Amari, Abdelfattah)

Source: SEPARATIONS **Volume:** 10 **Issue:** 10 **Article Number:** 519 **DOI:** 10.3390/separations10100519 **Published:** OCT 2023

Record 42 of 1000

Title: Syngas production from thermochemical conversion of mixed food waste: A review

Author(s): Yadav, S (Yadav, Sanjeev); Katiyar, P (Katiyar, Priyanka); Al Mesfer, MK (Al Mesfer, Mohammed K.); Danish, M (Danish, Mohd)

Source: WILEY INTERDISCIPLINARY REVIEWS-ENERGY AND ENVIRONMENT **Volume:** 12 **Issue:** 3 **DOI:** 10.1002/wene.468 **Early Access Date:** JAN 2023 **Published:** MAY-JUN 2023

Record 43 of 1000

Title: An extensive experimental and DFT studies on highly selective detection of nitrobenzene through deferasirox based new fluorescent sensor

Author(s): Ullah, MZ (Ullah, Muhammad Zahid); Shahzad, SA (Shahzad, Sohail Anjum); Assiri, MA (Assiri, Mohammed A.); Irshad, H (Irshad, Hasher); Rafique, S (Rafique, Sanwa); Shakir, SA (Shakir, Syed Ahmed); Mumtaz, A (Mumtaz, Amara)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 306 **Article Number:** 123607 **DOI:** 10.1016/j.saa.2023.123607 **Early Access Date:** NOV 2023 **Published:** FEB 5 2024

Record 44 of 1000

Title: PVA and PMMA nano-composites: a review on strategies, applications and future prospects

Author(s): Palanichamy, K (Palanichamy, Kalyani); Anandan, M (Anandan, Muthupandeeswari); Sridhar, J (Sridhar, Jayavel); Natarajan, V (Natarajan, Varagunapandiyan); Dhandapani, A (Dhandapani, Aravind)

Source: MATERIALS RESEARCH EXPRESS **Volume:** 10 **Issue:** 2 **Article Number:** 022002 **DOI:** 10.1088/2053-1591/acb527 **Published:** FEB 1 2023

Record 45 of 1000

Title: Capillary Pressure Determination Using Thermodynamic Desorption Isotherms and Porosity Measurements

Author(s): Shigidi, I (Shigidi, Ihab); Chemkhi, S (Chemkhi, Saber)

Source: CHEMICAL ENGINEERING & TECHNOLOGY **Volume:** 46 **Issue:** 7 **Special Issue:** SI **Pages:** 1432-1439 **DOI:** 10.1002/ceat.202200504 **Early Access Date:** MAR 2023 **Published:** JUL 2023

Record 46 of 1000

Title: Synthesis of zeolite-doped polyaniline composite for photocatalytic degradation of methylene blue from aqueous solution

Author(s): Sodha, V (Sodha, Veena); Koshti, H (Koshti, Hardik); Gaur, R (Gaur, Rama); Ahmad, I (Ahmad, Irfan); Bandyopadhyay, R (Bandyopadhyay, Rajib); Shahabuddin, S (Shahabuddin, Syed)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 16 **Pages:** 46159-46174 **DOI:** 10.1007/s11356-023-25556-x **Early Access Date:** JAN 2023 **Published:** APR 2023

Record 47 of 1000

Title: Steady flow of thin film over porous moving and non-flat sheet with nonlinear kinematics of exponential type

Author(s): Ullah, N (Ullah, Naeem); Marwat, DNK (Marwat, Dil Nawaz Khan); Mohamed, MMI (Mohamed, Montaha Mohamed Ibrahim); Moussa, SB (Moussa, Sana Ben)

Source: ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK **Volume:** 104 **Issue:** 1 **Article Number:** e202300057 **DOI:** 10.1002/zamm.202300057 **Early Access Date:** AUG 2023 **Published:** JAN 2024

Record 48 of 1000

Title: New Pyrazole-Hydrazide Derivatives: Synthesis, Characterization, Highly Active Catecholase-Like Catalyst, and Antibacterial Study

Author(s): Roby, O (Roby, Othmane); Oudghiri, Z (Oudghiri, Zaynab); Moutaouakil, M (Moutaouakil, Mohamed); Alzahrani, AY (Alzahrani, Abdullah Y.); Loukhmi, Z (Loukhmi, Zineb); Saddik, R (Saddik, Rafik); Mtairag, E (Mtairag, El Mostafa); Aboulmouhajir, A (Aboulmouhajir, Aziz); Tighadouini, S (Tighadouini, Said)

Source: CHEMISTRYSELECT **Volume:** 8 **Issue:** 48 **Article Number:** e202304507 **DOI:** 10.1002/slct.202304507 **Published:** DEC 22 2023

Record 49 of 1000

Title: Treatment of Fish-Processing Wastewater Using Polyelectrolyte and Palm Anguish

Author(s): Al-Dawery, SK (Al-Dawery, Salam K.); AL-Yaqoubi, GE (AL-Yaqoubi, Ghadeer E.); Al-Musharraf, AA (Al-Musharraf, Ahoud A.); Harharah, HN (Harharah, Hamed N.); Amari, A (Amari, Abdelfattah); Harharah, RH (Harharah, Ramzi H.)

Source: PROCESSES **Volume:** 11 **Issue:** 7 **Article Number:** 2124 **DOI:** 10.3390/pr11072124 **Published:** JUL 2023

Record 50 of 1000

Title: Synthesis of imidazothiazole Schiff base functionalized silica as an adsorbent for efficient and selective removal of Cu(II) from wastewater: a combined experimental and theoretical investigation

Author(s): Cherif, A (Cherif, A.); Alzahrani, AYA (Alzahrani, A. Y. A.); Hammoudan, I (Hammoudan, I.); Saddik, R (Saddik, R.); Tighadouini, S (Tighadouini, S.)

Source: MATERIALS TODAY SUSTAINABILITY **Volume:** 24 **Article Number:** 100508 **DOI:** 10.1016/j.mtsust.2023.100508 **Early Access Date:** SEP 2023 **Published:** DEC 2023

Record 51 of 1000

Title: Computational investigation of pyrazinamide drugs and its transition metal complexes using a DFT approach

Author(s): Khan, MS (Khan, Muhammad Sanwal); Maha, N (Maha, Nasir); Riaz, M (Riaz, Maira); Yasmin, T (Yasmin, Tahira); Irfan, A (Irfan, Ahmad); Basra, MAR (Basra, Muhammad Asim Raza)

Source: JOURNAL OF COMPUTATIONAL CHEMISTRY **Volume:** 45 **Issue:** 10 **Pages:** 622-632 **DOI:** 10.1002/jcc.27273 **Early Access Date:** DEC 2023 **Published:** APR 15 2024

Record 52 of 1000

Title: Recent Advances in the Synthesis of Dialkyl (Aryl) α -(Aryl/Heterocyclic/Heteroaryl- α -(Aryl/Heteroaryl-amino)Phosphonates

Author(s): Ali, TE (Ali, Tarik E.); Assiri, MA (Assiri, Mohammed A.); Hussien, M (Hussien, Mohamed); El Sayed, IET (Tantawy El Sayed, Ibrahim El)

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 27 **Issue:** 17 **Pages:** 1484-1503 **DOI:** 10.2174/0113852728257284231012065956 **Published:** 2023

Record 53 of 1000

Title: Structural, physical, optical, and elastic properties of transition metal oxide (CuO, TiO₂) incorporated B₂O₃ + K₂O + ZnO + ZnF₂ glasses

Author(s): Madhu, A (Madhu, A.); Al-Ahmed, ZAM (Al-Ahmed, Zehbah Ali Mohammed); EL-Gawaad, NSA (EL-Gawaad, N. S. Abd); Srinatha, N (Srinatha, N.)

Record 54 of 1000

Title: Novel azapropazone voltammetric sensors based on zinc oxide nanostructure

Author(s): Al-Ahmed, ZA (Al-Ahmed, Zehbah A.); Hameed, A (Hameed, Ahmed); Alharbi, A (Alharbi, Ahmed); Pashameah, RA (Pashameah, Rami A.); Habeebullah, TM (Habeebullah, Turki M.); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE **Volume:** 17 **Issue:** 1 **Article Number:** 2163583 **DOI:** 10.1080/16583655.2022.2163583 **Published:** DEC 31 2023

Record 55 of 1000

Title: Cost effective, high proton conductive and low oxygen crossover novel modified biochar doped microbial fuel cell membrane

Author(s): Nagar, H (Nagar, Harsha); Mandava, S (Mandava, Srimukhi); Al Mesfer, MK (Al Mesfer, Mohammed K.); Danish, M (Danish, Mohd); Shah, MM (Shah, Mumtaj)

Source: FUEL **Volume:** 356 **Article Number:** 129656 **DOI:** 10.1016/j.fuel.2023.129656 **Early Access Date:** AUG 2023 **Published:** JAN 15 2024

Record 56 of 1000

Title: Design and Synthesis of 1,2,3-Triazole Incorporated Isoflavone Derivatives as Anticancer Agents

Author(s): Koteswaraiah, M (Koteswaraiah, M.); Syed, T (Syed, Tasqeeruddin); Praveen, C (Praveen, Ch); Gopireddy, R (Gopireddy, Raveendrareddy); Uppalanchi, S (Uppalanchi, Srinivas); Thummaluru, V (Thummaluru, Veerareddy)

Source: POLYCYCLIC AROMATIC COMPOUNDS **DOI:** 10.1080/10406638.2023.2220863 **Early Access Date:** JUN 2023

Record 57 of 1000

Title: Biocomposite based on N-maleated chitosan immobilized in amino-carbamated alginate matrix for effective biosorption of Cu(II)

Author(s): Shehzad, H (Shehzad, Hamza); Begum, R (Begum, Robina); Ahmed, E (Ahmed, Ejaz); Sharif, A (Sharif, Ahsan); Batool, M (Batool, Maham); Fatima, M (Fatima, Manahil); Irfan, A (Irfan, Ahmad); Farooqi, ZH (Farooqi, Zahoor H.)

Source: ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS **Volume:** 237 **Issue:** 4-5 **Pages:** 545-564 **DOI:** 10.1515/zpch-2022-0091 **Early Access Date:** APR 2023 **Published:** APR 25 2023

Record 58 of 1000

Title: Ionic conducting characteristics of the solid electrolyte LiMgPO₄

Author(s): Miladi, L (Miladi, Leila); Oueslati, A (Oueslati, Abderrazek); Nasr, S (Nasr, Samia); Naïli, H (Naili, Houcine)

Source: JOURNAL OF SOLID STATE CHEMISTRY **Volume:** 323 **Article Number:** 124068 **DOI:** 10.1016/j.jssc.2023.124068 **Early Access Date:** APR 2023 **Published:** JUL 2023

Record 59 of 1000

Title: Computational studies on CuAAC reaction mechanism with [CuX(PPh₃)₃]; X = I, Br, Cl for the synthesis of 4-and 5-halo-1,2,3-triazoles

Author(s): Khairbek, AA (Khairbek, Ali A.); Alzahrani, AY (Alzahrani, Abdullah Y.); Badawi, MA (Badawi, Mohammad Abd Al-Hakim); Thomas, R (Thomas, Renjith)

Source: REACTION KINETICS MECHANISMS AND CATALYSIS **DOI:** 10.1007/s11144-023-02548-z **Early Access Date:** DEC 2023

Record 60 of 1000

Title: Steglich esterification: A versatile synthetic approach toward the synthesis of natural products, their analogues/derivatives

Author(s): Munawar, S (Munawar, Saba); Zahoor, AF (Zahoor, Ameer Fawad); Hussain, SM (Hussain, Syed Makhdoom); Ahmad, S (Ahmad, Sajjad); Mansha, A (Mansha, Asim); Parveen, B (Parveen, Bushra); Ali, KG (Ali, Kulsoom Ghulam); Irfan, A (Irfan, Ahmad)

Record 61 of 1000

Title: Characterization of three different benzimidazolium ligands and their organo-selenium complexes by using density functional theory and Raman spectroscopy

Author(s): Younas, S (Younas, Sobia); Riaz, A (Riaz, Aqdas); Nawaz, H (Nawaz, Haq); Majeed, MI (Majeed, Muhammad Irfan); Iqbal, MA (Iqbal, Muhammad Adnan); Rashid, N (Rashid, Nosheen); Altaf, A (Altaf, Areeba); Shoukat, US (Shoukat, Umar Sohail); Jamil, F (Jamil, Faisal); Sehar, A (Sehar, Aafia); Munir, S (Munir, Sania); Javed, M (Javed, Mahrosh); Imran, M (Imran, Muhammad)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 50 **Pages:** 35292-35304 **DOI:** 10.1039/d3ra04931k **Published:** NOV 30 2023

Record 62 of 1000

Title: Protective effects of N-acetyl-l-cysteine against penconazole-triggered hepatorenal toxicity in adult rats

Author(s): Morgan, AM (Morgan, Ashraf M.); Ogaly, HA (Ogaly, Hanan A.); Kamel, S (Kamel, Shaimaa); Rashad, MM (Rashad, Maha M.); Hassanen, EI (Hassanen, Eman I.); Ibrahim, MA (Ibrahim, Marwa A.); Galal, MK (Galal, Mona K.); Yassin, AM (Yassin, Aya M.); Dulmani, SAA (Dulmani, Sharah A. Al); Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); Hussien, AM (Hussien, Ahmed M.)

Source: JOURNAL OF VETERINARY RESEARCH **Volume:** 67 **Issue:** 3 **Pages:** 459-469 **DOI:** 10.2478/jvetres-2023-0039 **Early Access Date:** JUL 2023 **Published:** SEP 1 2023

Record 63 of 1000

Title: Exploring the structural, morphological, optical, electrical, dielectric and magnetic properties of Co²⁺ doped Cd_{0.4}Zn_{0.6-x}Fe_{1.9}Sm_{0.1}O₄ soft ferrites prepared by green synthesis method

Author(s): Hasan, MS (Hasan, M. S.); Khan, MI (Khan, M. I.); Amami, M (Amami, Mongi); Ezzine, S (Ezzine, Safa)

Source: CERAMICS INTERNATIONAL **Volume:** 50 **Issue:** 2 **Pages:** 3129-3138 **DOI:** 10.1016/j.ceramint.2023.11.062 **Early Access Date:** DEC 2023 **Part:** A **Published:** JAN 15 2024

Record 64 of 1000

Title: Synthesis and Characterization of New Mixed-Ligand Complexes; Density Functional Theory, Hirshfeld, and In Silico Assays Strengthen the Bioactivity Performed In Vitro

Author(s): Alhazmi, FS (Alhazmi, Farhi S.); Morad, M (Morad, Moataz); Abou-Melha, K (Abou-Melha, Khlood); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: ACS OMEGA **Volume:** 8 **Issue:** 4 **Pages:** 4220-4233 **DOI:** 10.1021/acsomega.2c07407 **Published:** JAN 31 2023

Record 65 of 1000

Title: Evaluation of the Antidiabetic Effects of Methanolic Extracts of Neem (Azadirachta indica) Seeds on the Streptozotocin-induced Wistar Rats

Author(s): Abdullah, AM (Abdullah, Alduwish M.); Ahmed, AE (Ahmed, Ahmed Ezzat); Bajaber, MA (Bajaber, Majed A.); Alalwiat, AA (Alalwiat, Ahlam A.)

Source: PAKISTAN VETERINARY JOURNAL **Volume:** 43 **Issue:** 4 **Pages:** 792-798 **DOI:** 10.29261/pakvetj/2023.106 **Published:** 2023

Record 66 of 1000

Title: Development of fluorescence chemo sensor for selective histamine determination in spiked human plasma samples

Author(s): Alqahtani, A (Alqahtani, Ali); Alqahtani, T (Alqahtani, Taha); Abdelazim, AH (Abdelazim, Ahmed H.)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 308 **Article Number:** 123711 **DOI:** 10.1016/j.saa.2023.123711 **Early Access Date:** DEC 2023 **Published:** MAR 5 2024

Record 67 of 1000

Title: 2D-2D Nanoheterostructure of an Exposed {001}-Facet CuO and MoS₂ Based Bifunctional Catalyst Showing Excellent Surface Chemistry and Conductivity for Cathodic CO₂ Reduction

Author(s): Akhond, MR (Akhond, Md Rajbanul); Islam, MJ (Islam, Md Jahidul); Irfan, A (Irfan, Ahmad); Sharif, A (Sharif, Ahmed)

Record 68 of 1000

Title: One step biogenic sugarcane bagasse mediated synthesis of gold nanoparticles and their catalytic applications in removing environmental pollutants

Author(s): Naeem, M (Naeem, Muqaddas); Irfan, A (Irfan, Ahmad); Begum, R (Begum, Robina); Farooqi, ZH (Farooqi, Zahoor H.)

Source: ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS **Volume:** 237 **Issue:** 6 **Pages:** 675-688 **DOI:** 10.1515/zpch-2022-0125 **Early Access Date:** MAY 2023 **Published:** JUN 27 2023

Record 69 of 1000

Title: Fluorescence based detection of industrially important and hazardous 4-Nitrophenol in real Samples: A combination of Extensive optical and theoretical studies

Author(s): Khan, KO (Khan, Khanzadi Omama); Assiri, MA (Assiri, Mohammed A.); Irshad, H (Irshad, Hasher); Rafique, S (Rafique, Sanwa); Khan, AM (Khan, Asad Muhammad); Khan, AK (Khan, Abida Kalsoom); Imran, M (Imran, Muhammad); Shahzad, SA (Shahzad, Sohail Anjum)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 442 **Article Number:** 114805 **DOI:** 10.1016/j.jphotochem.2023.114805 **Early Access Date:** MAY 2023 **Published:** AUG 1 2023

Record 70 of 1000

Title: Unleashing the dye adsorption potential of polyaminoimide homopolymer: DFT, statistical physics, site energy and pore size distribution analyses

Author(s): Hussain, N (Hussain, Nabeel); Khan, H (Khan, Hammad); Hussain, S (Hussain, Sajjad); Arshad, M (Arshad, Muhammad); Umar, M (Umar, Muhammad); Wahab, F (Wahab, Fazal)

Source: JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING **Volume:** 11 **Issue:** 6 **Article Number:** 111383 **DOI:** 10.1016/j.jece.2023.111383 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 71 of 1000

Title: Novel Water-soluble quinoxaline-2,3-dione-6-sulfohydrazide derivatives as efficient acid corrosion inhibitors: Design, characterization, experimental, and theoretical studies

Author(s): Abusaif, MS (Abusaif, Moustafa S.); Hyba, AM (Hyba, Amira M.); Ammar, YA (Ammar, Yousry A.); Salem, MA (Salem, Mohamed A.); Elsis, DM (Elsisi, Doaa M.); Ragab, A (Ragab, Ahmed)

Source: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS **Volume:** 153 **Article Number:** 105207 **DOI:** 10.1016/j.jtice.2023.105207 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 72 of 1000

Title: Quantitative analysis of cephalexin in solid dosage form by Raman spectroscopy and chemometric tools

Author(s): Ghafoor, N (Ghafoor, Nida); Kanwal, N (Kanwal, Naeema); Nawaz, H (Nawaz, Haq); Majeed, MI (Majeed, Muhammad Irfan); Rashid, N (Rashid, Nosheen); Ishtiaq, S (Ishtiaq, Shazra); Tariq, R (Tariq, Rabiah); Kainat, K (Kainat, Kiran); Ali, A (Ali, Arslan); Anwar, A (Anwar, Ayesha); Shoukat, Z (Shoukat, Zainab); Amir, A (Amir, Aiman); Imran, M (Imran, Muhammad)

Source: DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY **Volume:** 50 **Issue:** 1 **Pages:** 1-10 **DOI:** 10.1080/03639045.2023.2290021 **Early Access Date:** DEC 2023 **Published:** JAN 2 2024

Record 73 of 1000

Title: Raman Spectroscopy for the Quantitative Analysis of Solid Dosage Forms of the Active Pharmaceutical Ingredient of Febuxostat

Author(s): Rimsha, G (Rimsha, Gull); Shahbaz, M (Shahbaz, Muhammad); Majeed, MI (Majeed, Muhammad Irfan); Nawaz, H (Nawaz, Haq); Rashid, N (Rashid, Nosheen); Akram, MW (Akram, Muhammad Waseem); Shabbir, I (Shabbir, Ifra); Kainat, K (Kainat, Kiran); Amir, A (Amir, Aiman); Sultan, E (Sultan, Eiman); Munir, M (Munir, Mulja); Imran, M (Imran, Muhammad)

Source: ACS OMEGA **Volume:** 8 **Issue:** 44 **Pages:** 41451-41457 **DOI:** 10.1021/acsomega.3c05243 **Early Access Date:** OCT 2023 **Published:** OCT 27 2023

Record 74 of 1000

Title: Chemical Characterization of Honey and Its Effect (Alone as well as with Synthesized Silver Nanoparticles) on Microbial Pathogens' and Human Cancer Cell Lines' Growth

Author(s): Ghramh, HA (Ghramh, Hamed A.); Alrumman, SA (Alrumman, Sulaiman A.); Ahmad, I (Ahmad, Irfan); Kalam, A (Kalam, Abul); Elbehairi, SEI (Elbehairi, Serag Eldin I.); Alfaify, AM (Alfaify, Abdulkhaleg M.); Mohammed, MEA (Mohammed, Mohammed Elimam Ahamed); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Alfaifi, M (Alfaifi, Mohammad); Al-Shehri, BM (Al-Shehri, Badria M.); Alshareef, RMH (Alshareef, Rahaf Mohammed Hussein); ALaerjani, WMA (ALaerjani, Wed Mohammed Ali); Khan, KA (Khan, Khalid Ali)

Source: NUTRIENTS **Volume:** 15 **Issue:** 3 **Article Number:** 684 **DOI:** 10.3390/nu15030684 **Published:** FEB 2023

Record 75 of 1000

Title: Thermal efficiency of radiated tetra-hybrid nanofluid [(Al₂O₃-CuO-TiO₂-Ag)/water]_{tetra} under permeability effects over vertically aligned cylinder subject to magnetic field and combined convection

Author(s): Adnan (Adnan); Abbas, W (Abbas, Waseem); Bani-Fwaz, MZ (Z. Bani-Fwaz, Mutasem); Asogwa, KK (Kenneth Asogwa, Kanayo)

Source: SCIENCE PROGRESS **Volume:** 106 **Issue:** 1 **DOI:** 10.1177/00368504221149797 **Published:** JAN 2023

Record 76 of 1000

Title: Achieving Order in Disorder: Stabilizing Red Light-Emitting α -Phase Formamidinium Lead Iodide

Author(s): Singh, AN (Singh, Aditya Narayan); Jana, A (Jana, Atanu); Selvaraj, M (Selvaraj, Manickam); Assiri, MA (Assiri, Mohammed A.); Yun, S (Yun, Sua); Nam, KW (Nam, Kyung-Wan)

Source: NANOMATERIALS **Volume:** 13 **Issue:** 23 **Article Number:** 3049 **DOI:** 10.3390/nano13233049 **Published:** DEC 2023

Record 77 of 1000

Title: Tertiary treatment of wastewater by coupling anodic oxidation processes using solar energy and the coagulation-flocculation processes

Author(s): Louhichi, B (Louhichi, Boulbaba); Gaied, F (Gaied, Faisal); Boulanouar, L (Boulanouar, Lissir); Hamdi, W (Hamdi, Wissem); Hamdi, N (Hamdi, Noureddine); L'taief, B (L'taief, Boulbaba); Alshaharni, MO (Alshaharni, Mohammed O.); Jeday, MR (Jeday, Mohamed-Razak)

Source: DESALINATION AND WATER TREATMENT **Volume:** 313 **Pages:** 66-73 **DOI:** 10.5004/dwt.2023.30065 **Published:** NOV 2023

Record 78 of 1000

Title: A Comparative DFT Study of Bandgap Engineering and Tuning of Structural, Electronic, and Optical Properties of 2D WS₂, PtS₂, and MoS₂ between WSe₂, PtSe₂, and MoSe₂ Materials for Photocatalytic and Solar Cell Applications

Author(s): Jameel, MH (Jameel, Muhammad Hasnain); bin Roslan, MS (bin Roslan, Muhammad Sufi); Bin Mayzan, MZH (Bin Mayzan, Mohd Zul Hilmi); Shaaban, IA (Shaaban, Ibrahim A.); Rizvi, SZH (Rizvi, Syed Zuhaib Haider); Bin Agam, MA (Bin Agam, Mohd Arif); Saleem, S (Saleem, Shahroz); Assiri, MA (Assiri, Mohammed A.)

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **Volume:** 34 **Issue:** 1 **Pages:** 322-335 **DOI:** 10.1007/s10904-023-02828-0 **Early Access Date:** AUG 2023 **Published:** JAN 2024

Record 79 of 1000

Title: Investigating the potential of organic semiconductor materials by DFT and TD-DFT calculations on aNDTs

Author(s): Jothi, B (Jothi, B.); Stephen, AD (Stephen, A. David); Selvaraju, K (Selvaraju, K.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: HELIYON **Volume:** 9 **Issue:** 6 **Article Number:** e16740 **DOI:** 10.1016/j.heliyon.2023.e16740 **Early Access Date:** MAY 2023 **Published:** JUN 2023

Record 80 of 1000

Title: Comprehensive two-dimensional gas chromatography with flow modulator coupled via tube plasma ionization to an atmospheric pressure high-resolution mass spectrometer for the analysis of vermouth volatile profile

Author(s): Ayala-Cabrera, JF (Ayala-Cabrera, Juan F. F.); Montero, L (Montero, Lidia); Sahlabji, T (Sahlabji, Taher); Schmitz, OJ (Schmitz, Oliver J. J.)

Record 81 of 1000

Title: Augmented least squares, a powerful chemometric approach for the spectroscopic analysis of the antiretroviral therapy abacavir, lamivudine and dolutegravir in their ternary mixture

Author(s): Alqahtani, A (Alqahtani, Ali); Abdelazim, AH (Abdelazim, Ahmed H.); Alqahtani, T (Alqahtani, Taha); Gahtani, RM (Gahtani, Reem M.); Serag, A (Serag, Ahmed)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 308 **Article Number:** 123710 **DOI:** 10.1016/j.saa.2023.123710 **Early Access Date:** DEC 2023 **Published:** MAR 5 2024

Record 82 of 1000

Title: Optimization of structural, dielectric, and magnetic properties of nanocrystalline copper doped spinel ferrites

Author(s): Zahid, M (Zahid, Muhammad); Khan, HM (Khan, Hasan M.); Manzoor, MZ (Manzoor, Muhammad Zeewaqar); Ahmed, HE (Ahmed, Hafiz Ejaz); Akhter, T (Akhter, Tahira); Alshahrani, T (Alshahrani, Thamraa); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS **Volume:** 297 **Article Number:** 116739 **DOI:** 10.1016/j.mseb.2023.116739 **Early Access Date:** JUL 2023 **Published:** NOV 2023

Record 83 of 1000

Title: Development and characterization of biodegradable hydroxyethyl cellulose/polyacrylic acid films loaded with pomegranate peel extract with antibacterial activity

Author(s): Farouk, A (Farouk, A.)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-04892-5 **Early Access Date:** SEP 2023

Record 84 of 1000

Title: Conversion of sawdust residuals to activated-carbon-supported pure nickel nanoparticles as a novel composite membrane for simultaneous hydrogen separation and storage

Author(s): El Saied, M (El Saied, Mohamed); El Naga, AOA (El Naga, Ahmed O. Abo); El-Zahhar, AA (El-Zahhar, Adel A.); Al-Hazmi, GAAM (Al-Hazmi, Gamil A. A. M.); El Naggar, AMA (El Naggar, Ahmed M. A.); El Kady, FY (El Kady, Fathy Y.)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 39 **Pages:** 18213-18224 **DOI:** 10.1039/d3nj02937a **Early Access Date:** SEP 2023 **Published:** OCT 9 2023

Record 85 of 1000

Title: An overview of corrosion behavior and contemporary management techniques of thermomechanically treated rebars in concrete structures

Author(s): Akhond, MR (Akhond, Md. Rajbanul); Irfan, A (Irfan, Ahmad); Sharif, A (Sharif, Ahmed)

Source: JOURNAL OF STRUCTURAL INTEGRITY AND MAINTENANCE **DOI:** 10.1080/24705314.2023.2259721 **Early Access Date:** SEP 2023

Record 86 of 1000

Title: Synthesis, characterization, and anticancer evaluation of novel 4-hydrazinothiazole analogs

Author(s): Break, SY (Break, Shorook Yasser); Hossan, A (Hossan, Aisha); Farouk, A (Farouk, Asmaa)

Source: LUMINESCENCE **Volume:** 38 **Issue:** 11 **Pages:** 1864-1871 **DOI:** 10.1002/bio.4574 **Early Access Date:** AUG 2023 **Published:** NOV 2023

Record 87 of 1000

Title: Design, synthesis and biological evaluation of aryl amino derivatives of pyrido [3,2-d]pyrimidines as anticancer agents

Author(s): Syeda, AB (Syeda, Arshiya Banu); Syeda, AB (Syeda, Asra Banu); Ferazoddin, M (Ferazoddin, Mohammad); Paul, JP (Paul, J. P.); Syed, T (Syed, Tasqeeruddin); Juluru, B (Juluru, Bhasker)

Source: SYNTHETIC COMMUNICATIONS **Volume:** 53 **Issue:** 17 **Pages:** 1426-1438 **DOI:** 10.1080/00397911.2023.2229926 **Early Access Date:** JUL 2023 **Published:** SEP 2 2023

Record 88 of 1000

Title: Facile one-pot synthesis of ternary Ni-Mn-Zn oxide nanocomposites for high-performance hybrid supercapacitors

Author(s): Suganya, S (Suganya, S.); Alam, MM (Alam, M. Mujahid); Kousi, F (Kousi, F.); Ramalingam, G (Ramalingam, G.); Prabhu, MR (Prabhu, M. Ramesh); Sudhahar, S (Sudhahar, S.)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 71 **Article Number:** 108176 **DOI:** 10.1016/j.est.2023.108176 **Early Access Date:** JUN 2023 **Published:** NOV 1 2023

Record 89 of 1000

Title: A theoretical study of the adsorption performance of glycine-conjugated PLGA interacting with methotrexate

Author(s): Syed, T (Syed, Tasqeeruddin); Khan, MI (Khan, Mohammad Inam); Alqahtani, T (Alqahtani, Taha); Asiri, YI (Asiri, Yahya I.); Suthana, S (Suthana, Shaheen)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 390 **Article Number:** 122965 **DOI:** 10.1016/j.molliq.2023.122965 **Early Access Date:** SEP 2023 **Part:** A **Published:** NOV 15 2023

Record 90 of 1000

Title: Qualitative and Quantitative Analysis of Azithromycin as Solid Dosage by Raman Spectroscopy

Author(s): Shahbaz, M (Shahbaz, Muhammad); Tariq, A (Tariq, Ayesha); Majeed, MI (Majeed, Muhammad Irfan); Nawaz, H (Nawaz, Haq); Rashid, N (Rashid, Nosheen); Shehnaz, H (Shehnaz, Hina); Kainat, K (Kainat, Kiran); Hajab, H (Hajab, Hawa); Tahira, M (Tahira, Maryam); ul Huda, N (ul Huda, Noor); Tahseen, H (Tahseen, Hira); Imran, M (Imran, Muhammad)

Source: ACS OMEGA **Volume:** 8 **Issue:** 39 **Pages:** 36393-36400 **DOI:** 10.1021/acsomega.3c05245 **Early Access Date:** SEP 2023 **Published:** SEP 20 2023

Record 91 of 1000

Title: Investigating miRNA subfamilies: Can they assist in the early diagnosis of acute myocardial infarction?

Author(s): Sharma, AK (Sharma, Arun K.); Bisht, P (Bisht, Priyanka); Gupta, B (Gupta, Bishal); Akhtar, S (Akhtar, Sayeed); Alavudeen, SS (Alavudeen, Sirajudeen Shaik); Afzal, O (Afzal, Obaid); Altamimi, ASA (Altamimi, Abdulmalik S. A.)

Source: DRUG DISCOVERY TODAY **Volume:** 28 **Issue:** 10 **Pages:** 1-8 **DOI:** 10.1016/j.drudis.2023.103695 **Early Access Date:** JUL 2023 **Published:** OCT 2023

Record 92 of 1000

Title: Green spectrofluorimetric quantification of aspirin, olmesartan, and metoprolol in spiked human plasma

Author(s): Alqahtani, A (Alqahtani, Ali); Alqahtani, T (Alqahtani, Taha); Gahtani, RM (Gahtani, Reem M.); Ramzy, S (Ramzy, Sherif)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 20182 **DOI:** 10.1038/s41598-023-46042-x **Published:** NOV 17 2023

Record 93 of 1000

Title: Insights into the geometrical parameters, charge distribution, and reactivity of Ca, Mg, Sr, and Bi complexes of piroxicam and meloxicam: A quantum chemical study

Author(s): Maha, N (Maha, Nasir); Samra, MM (Samra, Malka M.); Laraib, N (Laraib, Nadeem); Irfan, A (Irfan, Ahmad); Azam, M (Azam, Muhammad); Basra, MAR (Basra, Muhammad Asim Raza)

Source: COMPUTATIONAL AND THEORETICAL CHEMISTRY **Volume:** 1230 **Article Number:** 114346 **DOI:** 10.1016/j.comptc.2023.114346 **Early Access Date:** OCT 2023 **Published:** DEC 2023

Record 94 of 1000

Title: Electrochemical studies of CdS based nanocomposite: Synthesis, characterization and structural aspects insight

Author(s): Danish, M (Danish, Muhammad); Ashraf, A (Ashraf, Alia); Sandhu, ZA (Sandhu, Zeshan Ali); Raza, MA (Raza, Muhammad Asam); Bhalli, AH (Bhalli, Ali Haider); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1294 **Article Number:** 136296 **DOI:** 10.1016/j.molstruc.2023.136296 **Early Access Date:** AUG 2023 **Part:** 2 **Published:** DEC 15 2023

Record 95 of 1000

Title: Carbon Shell-Confined Pd-Fe Bimetallic Nanoparticles in NCNTs as Anode Catalysts for Microfluidic Direct Ethylene Glycol Fuel Cells

Author(s): Kumar, TR (Kumar, T. R.); Vignesh, A (Vignesh, A.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Pannipara, M (Pannipara, Mehboobali); Sutharsun, S (Sutharsun, S.); Suryaprakash, S (Suryaprakash, S.); Kumar, GG (Kumar, G. Gnana)

Source: ACS APPLIED ENERGY MATERIALS **Volume:** 6 **Issue:** 14 **Pages:** 7445-7456 **DOI:** 10.1021/acsaem.3c00790 **Early Access Date:** JUL 2023 **Published:** JUL 11 2023

Record 96 of 1000

Title: Exploring non-covalent interactions between caffeine and ascorbic acid: their significance in the physical chemistry of drug efficacy

Author(s): Abraham, AB (Abraham, Alen Binu); Alzahrani, AY (Alzahrani, Abdullah Y.); Thomas, R (Thomas, Renjith)

Source: ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS **Volume:** 238 **Issue:** 2 **Pages:** 401-420 **DOI:** 10.1515/zpch-2023-0390 **Early Access Date:** DEC 2023 **Published:** FEB 26 2024

Record 97 of 1000

Title: Hydroxyapatite stabilized silver nanoparticles and their catalytic activity

Author(s): Shafqat, R (Shafqat, Rabia); Begum, R (Begum, Robina); Irfan, A (Irfan, Ahmad); Farooqi, ZH (Farooqi, Zahoor H.)

Source: ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS **Volume:** 237 **Issue:** 7 **Pages:** 981-992 **DOI:** 10.1515/zpch-2023-0225 **Early Access Date:** JUN 2023 **Published:** JUL 26 2023

Record 98 of 1000

Title: Design of Ru-Co/MgO-Al₂O₃ catalyst system for CO₂ reforming of methane: Performance investigation concerning the Mg/Al ratio

Author(s): Al Mesfer, MK (Al Mesfer, Mohammed K.); Das, S (Das, Subhasis); Shah, MM (Shah, Mumtaj); Danish, M (Danish, Mohd)

Source: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY **Volume:** 130 **Pages:** 468-482 **DOI:** 10.1016/j.jiec.2023.10.002 **Early Access Date:** DEC 2023 **Published:** FEB 25 2024

Record 99 of 1000

Title: Molecular and functional insight into focal adhesion kinases: Therapeutic implications for oral malignancies

Author(s): Prasad, P (Prasad, Prathibha); Khair, AB (Khair, Al-Moutassem Billah); Venkatesan, K (Venkatesan, Kumar); Shahwan, M (Shahwan, Moyad); Shamsi, A (Shamsi, Anas)

Source: DRUG DISCOVERY TODAY **Volume:** 29 **Issue:** 1 **Article Number:** 103852 **DOI:** 10.1016/j.drudis.2023.103852 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 100 of 1000

Title: Molecular basis of phytochemical-gut microbiota interactions

Author(s): Lal, S (Lal, Samridhi); Akhtar, MS (Akhtar, Md. Sayeed); Khan, MF (Khan, Mohd Faiyaz); Aldosari, SA (Aldosari, Saad A.); Mukherjee, M (Mukherjee, Monalisa); Sharma, AK (Sharma, Arun K.)

Source: DRUG DISCOVERY TODAY **Volume:** 28 **Issue:** 12 **Article Number:** 103824 **DOI:** 10.1016/j.drudis.2023.103824 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 101 of 1000

Title: Numerical optimization of drug solubility inside the supercritical carbon dioxide system using different machine learning models

Author(s): Almehezia, AA (Almehezia, Abdulrahman A.); Naglah, AM (Naglah, Ahmed M.); Alkahtani, HM (Alkahtani, Hamad M.); Hani, U (Hani, Umme); Ghazwani, M (Ghazwani, Mohammed)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 392 **Article Number:** 123466 **DOI:** 10.1016/j.molliq.2023.123466 **Early Access Date:** NOV 2023 **Part:** 1 **Published:** DEC 15 2023

Record 102 of 1000

Title: Chlorinated pesticides and PCB residues in the Egyptian Western Desert oases sediments

Author(s): Said, TO (Said, Tarek O.); Ragab, S (Ragab, Safaa); El Sikaily, A (El Sikaily, Amany); Hassaan, MA (Hassaan, Mohamed A.); Arshad, M (Arshad, Muhammad); El Nemr, A (El Nemr, Ahmed)

Source: MARINE POLLUTION BULLETIN **Volume:** 193 **Article Number:** 115236 **DOI:** 10.1016/j.marpolbul.2023.115236 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 103 of 1000

Title: Solvent -solute interactions, electronic properties, topological and biological explorations of 6-Bromo-7-methylimidazo[1,2-?]pyridine

Author(s): Selvakumari, S (Selvakumari, S.); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 376 **Article Number:** 121437 **DOI:** 10.1016/j.molliq.2023.121437 **Early Access Date:** FEB 2023 **Published:** APR 15 2023

Record 104 of 1000

Title: An extensive study of structural, electronic, elastic, mechanical and optical properties of XCdH₃ (X=K, Rb) for hydrogen storage applications: First-principles approach

Author(s): Ghani, MU (Ghani, Muhammad Usman); Sagir, M (Sagir, Muhammad); Tahir, MB (Tahir, Muhammad Bilal); Ullah, S (Ullah, Sami); Assiri, MA (Assiri, Mohammed Ali)

Source: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY **Volume:** 55 **Pages:** 1265-1272 **DOI:** 10.1016/j.ijhydene.2023.11.199 **Early Access Date:** DEC 2023 **Published:** FEB 15 2024

Record 105 of 1000

Title: Biochemical Activation and Regulatory Functions of Trans-Regulatory KLF14 and Its Association with Genetic Polymorphisms

Author(s): Akash, MSH (Akash, Muhammad Sajid Hamid); Rasheed, S (Rasheed, Sumbal); Rehman, K (Rehman, Kanwal); Ibrahim, M (Ibrahim, Muhammad); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: METABOLITES **Volume:** 13 **Issue:** 2 **Article Number:** 199 **DOI:** 10.3390/metabo13020199 **Published:** FEB 2023

Record 106 of 1000

Title: Towards sustainable food packaging films using cellulose acetate and polyvinylidene fluoride matrix enriched with mango peel extract

Author(s): Farouk, A (Farouk, A.)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-04986-0 **Early Access Date:** OCT 2023

Record 107 of 1000

Title: Tetrahydrobenzo[b]thiophene Derivatives Hybrids: Synthesis and Molecular Docking Investigations for Antibacterial Assessment

Author(s): Alzahrani, AYA (Alzahrani, Abdullah Y. Abdullah); Ghoneim, AA (Ghoneim, Amira A.); El-Farargy, AF (El-Farargy, Ahmed Foud)

Source: POLYCYCLIC AROMATIC COMPOUNDS **DOI:** 10.1080/10406638.2023.2258256 **Early Access Date:** SEP 2023

Record 108 of 1000

Title: Dess-Martin Periodinane (DMP) in Organic Synthesis-A Septennial Update (2015-till Date)

Author(s): Varala, R (Varala, Ravi); Seema, V (Seema, Vittal); Alam, MM (Alam, Mohammed Mujahid); Amanullah, M (Amanullah, Mohammed); Dubasi, N (Dubasi, Narsimhaswamy)

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 27 **Issue:** 17 **Pages:** 1504-1530 **DOI:** 10.2174/0113852728262311231012060626 **Published:** 2023

Record 109 of 1000

Title: Design and optimization of Ni-Fe-La based catalytic system for CO₂ utilization for sustainable syngas production via dry reforming of methane

Author(s): Shah, MM (Shah, Mumtaj); Al Mesfer, MK (Al Mesfer, Mohammed K.); Danish, M (Danish, Mohd)

Source: JOURNAL OF THE ENERGY INSTITUTE **Volume:** 110 **Article Number:** 101346 **DOI:** 10.1016/j.joei.2023.101346 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 110 of 1000

Title: Identification of potential agonist-like molecules for $\alpha 2$ -adrenergic receptor by multi-layer virtual screening to combat sinusitis

Author(s): Halim, SA (Halim, Sobia Ahsan); Waqas, M (Waqas, Muhammad); Khan, A (Khan, Ajmal); Ogaly, HA (Ogaly, Hanan A.); Othman, G (Othman, Gehan); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: COMPUTERS IN BIOLOGY AND MEDICINE **Volume:** 167 **Article Number:** 107693 **DOI:** 10.1016/j.combiomed.2023.107693 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 111 of 1000

Title: Development of advanced model for understanding the behavior of drug solubility in green solvents: Machine learning modeling for small-molecule API solubility prediction

Author(s): Ghazwani, M (Ghazwani, Mohammed); Begum, MY (Begum, M. Yasmin); Naglah, AM (Naglah, Ahmed M.); Alkahtani, HM (Alkahtani, Hamad M.); Almezizia, AA (Almezizia, Abdulrahman A.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 386 **Article Number:** 122446 **DOI:** 10.1016/j.molliq.2023.122446 **Early Access Date:** JUL 2023 **Published:** SEP 15 2023

Record 112 of 1000

Title: Nanomaterials: a review of emerging contaminants with potential health or environmental impact

Author(s): El-Kalliny, AS (El-Kalliny, Amer S.); Abdel-Wahed, MS (Abdel-Wahed, Mahmoud S.); El-Zahhar, AA (El-Zahhar, Adel A.); Hamza, IA (Hamza, Ibrahim A.); Gad-Allah, TA (Gad-Allah, Tarek A.)

Source: DISCOVER NANO **Volume:** 18 **Issue:** 1 **Article Number:** 68 **DOI:** 10.1186/s11671-023-03787-8 **Published:** APR 21 2023

Record 113 of 1000

Title: Stereoselective total synthesis of Pestalotioprolide C and C7-*epi*-Pestalotioprolide C

Author(s): Jami, PK (Jami, Pradeep Kumar); Battula, SR (Battula, Sreenivasa Rao); Parimi, UD (Parimi, Uma Devi); Syed, T (Syed, Tasqeeruddin)

Source: SYNTHETIC COMMUNICATIONS **Volume:** 53 **Issue:** 17 **Pages:** 1391-1397 **DOI:** 10.1080/00397911.2023.2228945 **Early Access Date:** JUN 2023 **Published:** SEP 2 2023

Record 114 of 1000

Title: Synthesis, anticancer activity, and molecular docking of new pyrazolo[1,5-a]pyrimidine derivatives

Author(s): Hossan, A (Hossan, Aisha); Alrefaei, AF (Alrefaei, Abdulmajeed F.); Katouah, HA (Katouah, Hanadi A.); Bayazeed, A (Bayazeed, Abrar); Asghar, BH (Asghar, Basim H.); Shaaban, F (Shaaban, Fathy); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 27 **Issue:** 2 **Article Number:** 101599 **DOI:** 10.1016/j.jscs.2023.101599 **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 115 of 1000

Title: Removal of Toxic Lead from Wastewater by *Lupinus albus* Seed Hull

Author(s): Hafez, AAA (Hafez, Amal A. Abdel); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.); Al-Marri, AM (Al-Marri, Ali M.); Aboterika, AHA (Aboterika, Awaad H. A.)

Source: ACS OMEGA **Volume:** 8 **Issue:** 45 **Pages:** 42622-42631 **DOI:** 10.1021/acsomega.3c05337 **Published:** NOV 6 2023

Record 116 of 1000

Title: Toxicological evaluation of bisphenol analogues: preventive measures and therapeutic interventions

Author(s): Akash, MSH (Akash, Muhammad Sajid Hamid); Rasheed, S (Rasheed, Sumbal); Rehman, K (Rehman, Kanwal); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 31 **Pages:** 21613-21628 **DOI:** 10.1039/d3ra04285e **Published:** JUL 12 2023

Record 117 of 1000

Title: Entropy analysis in single phase nanofluid in square enclosure under effectiveness of inclined magnetic field by executing finite element simulations

Author(s): Bilal, S (Bilal, Sardar); Shah, IA (Shah, Imtiaz Ali); Marzougui, S (Marzougui, S.); Ali, F (Ali, Farhat)

Source: GEOENERGY SCIENCE AND ENGINEERING **Volume:** 225 **Article Number:** 211483 **DOI:** 10.1016/j.geoen.2023.211483 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 118 of 1000

Title: Ratiometric and colorimetric probes with large Stokes shift for sensing of exogenous hypochlorite in potato sprouts and industrial effluents

Author(s): Assiri, MA (Assiri, Mohammed A.); Waseem, MT (Waseem, Muhammad Tahir); Hamad, A (Hamad, Asad); Imran, M (Imran, Muhammad); Farooq, U (Farooq, Umar); Shahzad, SA (Shahzad, Sohail Anjum)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 290 **Article Number:** 122298 **DOI:** 10.1016/j.saa.2022.122298 **Early Access Date:** JAN 2023 **Published:** APR 5 2023

Record 119 of 1000

Title: Computational insights into novel benzenesulfonamide-1,3,4-thiadiazole hybrids as a possible VEGFR-2 inhibitor: design, synthesis and anticancer evaluation with molecular dynamics studies

Author(s): Bondock, S (Bondock, Samir); Albarqi, T (Albarqi, Tallah); Abdou, MM (Abdou, Moaz M.); Mohamed, NM (Mohamed, Nada M.)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 44 **Pages:** 20602-20618 **DOI:** 10.1039/d3nj04266a **Early Access Date:** OCT 2023 **Published:** NOV 13 2023

Record 120 of 1000

Title: Estimation of Evaporation of Water from a Liquid Desiccant Solar Collector and Regenerator by Using Conservation of Mass and Energy Principles

Author(s): Tafesse, GH (Tafesse, Gezahegn Habtamu); Ahmed, GMS (Ahmed, Gulam Mohammed Sayeed); Badruddin, IA (Badruddin, Irfan Anjum); Kamangar, S (Kamangar, Sarfaraz); Hussien, M (Hussien, Mohamed)

Source: SUSTAINABILITY **Volume:** 15 **Issue:** 8 **Article Number:** 6520 **DOI:** 10.3390/su15086520 **Published:** APR 2023

Record 121 of 1000

Title: Effect of Phenolics from *Aeonium arboreum* on Alpha Glucosidase, Pancreatic Lipase, and Oxidative Stress; a Bio-Guided Approach

Author(s): Alfeqy, MM (Alfeqy, Marwah M.); El-Hawary, SS (El-Hawary, Seham S.); El-Halawany, AM (El-Halawany, Ali M.); Rabeh, MA (Rabeh, Mohamed A.); Alshehri, SA (Alshehri, Saad A.); Serry, AM (Serry, Aya M.); Fahmy, HA (Fahmy, Heba A.); Ezzat, MI (Ezzat, Marwa. I.)

Source: PHARMACEUTICS **Volume:** 15 **Issue:** 11 **Article Number:** 2541 **DOI:** 10.3390/pharmaceutics15112541 **Published:** NOV 2023

Record 122 of 1000

Title: A standard electrolyzer test cell design for evaluating catalysts and cell components for anion exchange membrane water electrolysis

Author(s): Faqeeh, AH (Faqeeh, Abdulhai H.); Symes, MD (Symes, Mark D.)

Source: ELECTROCHIMICA ACTA **Volume:** 444 **Article Number:** 142030 **DOI:** 10.1016/j.electacta.2023.142030 **Early Access Date:** FEB 2023 **Published:** MAR 10 2023

Record 123 of 1000

Title: Biosynthetic Pathways for Rebeccamycin Family of Natural Products

Author(s): Alam, MM (Alam, M. Mujahid); Varala, R (Varala, Ravi); Kurmarayuni, CM (Kurmarayuni, Chandra Mohan); Bollikolla, HB (Bollikolla, Hari Babu); Dubasi, N (Dubasi, Narsimhaswamy)

Source: MINI-REVIEWS IN ORGANIC CHEMISTRY **Volume:** 20 **Issue:** 3 **Pages:** 309-321 **DOI:** 10.2174/1570193X19666220429120600 **Published:** 2023

Record 124 of 1000

Title: Surface-engineered anisotropic g-C₃N₄ photocatalysts via green-exfoliation for visible light-driven water remediation

Author(s): Vijayarangan, R (Vijayarangan, R.); Mohan, S (Mohan, Sakar); Selvaraj, M (Selvaraj, Manickam); Assiri, MA (Assiri, Mohammed A.); Ilangovan, R (Ilangovan, R.)

Source: SURFACES AND INTERFACES **Volume:** 44 **Article Number:** 103782 **DOI:** 10.1016/j.surfin.2023.103782 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 125 of 1000

Title: Transition metal loaded carbon penta-belt SACs for hydrogen and oxygen evolution reactions and identification of systematic DFT method to characterize the main interacting orbital for non-periodic system

Author(s): Allangawi, A (Allangawi, Abdulrahman); Ayub, K (Ayub, Khurshid); Gilani, MA (Gilani, Mazhar Amjad); Imran, M (Imran, Muhammad); Mahmood, T (Mahmood, Tariq)

Source: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY **Volume:** 53 **Pages:** 989-998 **DOI:** 10.1016/j.ijhydene.2023.11.333 **Early Access Date:** DEC 2023 **Published:** JAN 31 2024

Record 126 of 1000

Title: Size Effect of Nanoceria Blended with CIME Biodiesel on Engine Characteristics

Author(s): Pandey, V (Pandey, Vivek); Badruddin, IA (Badruddin, Irfan Anjum); Kamangar, S (Kamangar, Sarfaraz); Alemayehu, AB (Alemayehu, Addisu Bekele)

Source: NANOMATERIALS **Volume:** 13 **Issue:** 1 **Article Number:** 6 **DOI:** 10.3390/nano13010006 **Published:** JAN 2023

Record 127 of 1000

Title: An extensive investigation of structural, electronic, optical, magnetic, and mechanical properties of YGaO₃ for photovoltaic and optoelectronic applications: First-principles approach

Author(s): Ayub, S (Ayub, Sania); Siddique, A (Siddique, Areeba); Khalil, A (Khalil, Adnan); Shaheen, R (Shaheen, Rahila); Tahir, MB (Tahir, Muhammad Bilal); Hassine, SB (Hassine, Siwar ben hadj); Ullah, Z (Ullah, Zaka); Hannan, A (Hannan, Abdul)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 153 **Article Number:** 110754 **DOI:** 10.1016/j.inoche.2023.110754 **Early Access Date:** MAY 2023 **Published:** JUL 2023

Record 128 of 1000

Title: Sustainable synthesis: High-efficiency ZrO₂/KIT-6 catalyst to hydroprocess waste plastics into fuels

Author(s): Tamizhdurai, P (Tamizhdurai, P.); Mangesh, VL (Mangesh, V. L.); Santhosh, S (Santhosh, S.); Vedavalli, R (Vedavalli, R.); Murali, G (Murali, G.); Selvaraj, M (Selvaraj, Manickam); Kumaran, R (Kumaran, R.)

Source: PROCESS SAFETY AND ENVIRONMENTAL PROTECTION **Volume:** 182 **Pages:** 960-974 **DOI:** 10.1016/j.psep.2023.12.030 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 129 of 1000

Title: Tiny titans- unravelling the potential of polysaccharides and proteins based dissolving microneedles in drug delivery and theranostics: A comprehensive review

Author(s): Kenchegowda, M (Kenchegowda, Madhuchandra); Hani, U (Hani, Umme); Al Fatease, A (Al Fatease, Adel); Haider, N (Haider, Nazima); Ramesh, KVRNS (Ramesh, K. V. R. N. S.); Talath, S (Talath, Sirajunisa); Gangadharappa, H (Gangadharappa, Hosahalli, V); Raj, GK (Raj, G. Kiran); Padmanabha, SH (Padmanabha, Sharath Honganoor); Osmani, RAM (Osmani, Riyaz Ali M.)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 253 **Article Number:** 127172 **DOI:** 10.1016/j.ijbiomac.2023.127172 **Early Access Date:** OCT 2023 **Part:** 5 **Published:** DEC 31 2023

Record 130 of 1000

Title: Eco-Friendly Methanolic Myrrh Extract Corrosion Inhibitor for Aluminum in 1 M HCl

Author(s): Al-nami, SY (Al-nami, Samar Y.); Alturki, AM (Alturki, Asma M.); Wahba, AM (Wahba, Ahmed M.)

Source: ACS OMEGA **DOI:** 10.1021/acsomega.3c02009 **Early Access Date:** AUG 2023

Record 131 of 1000

Title: Comprehensive Biological, Photodegradation, Density Functional Theory, and Docking Exploration of Zn(II) and Mn(II) complexes of Piroxicam

Author(s): Maha, N (Maha, Nasir); Tajammal, A (Tajammal, Affifa); Samra, MM (Samra, Malka M. M.); Irfan, A (Irfan, Ahmad); Laraib, N (Laraib, Nadeem); Basra, MAR (Basra, Muhammad Asim Raza)

Source: CHEMISTRYSELECT **Volume:** 8 **Issue:** 29 **Article Number:** e202301269 **DOI:** 10.1002/slct.202301269 **Published:** AUG 4 2023

Record 132 of 1000

Title: An economic experimental approach to optimize the microstructure and thermoelectric performance of ZnSe thin films

Author(s): Alsalmah, HA (Alsalmah, Hessa A.); Ikram, S (Ikram, Salma); Batool, S (Batool, S.); Amami, M (Amami, M.); Mahmood, K (Mahmood, K.)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 155 **Article Number:** 111117 **DOI:** 10.1016/j.inoche.2023.111117 **Early Access Date:** JUL 2023 **Published:** SEP 2023

Record 133 of 1000

Title: Graphitic carbon nitride (g-C₃N₄)-based electrochemical sensors for the determination of antiviral

Author(s): Sreenivasulu, M (Sreenivasulu, Madasu); Malode, SJ (Malode, Shweta J.); Alqarni, SA (Alqarni, Sondos Abdullah); Shetti, NP (Shetti, Nagaraj P.)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 312 **Article Number:** 128650 **DOI:** 10.1016/j.matchemphys.2023.128650 **Early Access Date:** NOV 2023 **Published:** JAN 15 2024

Record 134 of 1000

Title: Development and evaluation of carrier oils encapsulated silver doped zinc oxide nanoparticles loaded bio-plastic composites towards anti-microbial packaging applications

Author(s): Sathishbabu, P (Sathishbabu, P.); Hani, U (Hani, Umme)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 153 **Article Number:** 110763 **DOI:** 10.1016/j.inoche.2023.110763 **Early Access Date:** MAY 2023 **Published:** JUL 2023

Record 135 of 1000

Title: Biochemical association between the prevalence of genetic polymorphism and myocardial infarction

Author(s): Shahid, M (Shahid, Momina); Rehman, K (Rehman, Kanwal); Akash, MSH (Akash, Muhammad Sajid Hamid); Suhail, H (Suhail, Haleem); Rasheed, S (Rasheed, Sumbal); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: BIOCELL **Volume:** 47 **Issue:** 3 **Pages:** 473-484 **DOI:** 10.32604/biocell.2023.025930 **Published:** 2023

Record 136 of 1000

Title: Lithium doping effect on structural, electronic and optical properties of KCaF₃ fluoroperovskite: DFT insights using GGA-PBE

Author(s): Tariq, A (Tariq, Ayesha); Tahir, MB (Tahir, Muhammad Bilal); Dahshan, A (Dahshan, A.); Ahmed, B (Ahmed, Bilal); Sagir, M (Sagir, M.)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 158 **Article Number:** 111475 **DOI:** 10.1016/j.inoche.2023.111475 **Early Access Date:** OCT 2023 **Part:** 1 **Published:** DEC 2023

Record 137 of 1000

Title: Post COVID-19 complications and follow up biomarkers

Author(s): Abdullah, M (Abdullah, Muhammad); Ali, A (Ali, Amjed); Usman, M (Usman, Muhammad); Naz, A (Naz, Anam); Qureshi, JA (Qureshi, Javed Anver); Bajaber, MA (Bajaber, Majed A.); Zhang, X (Zhang, Xiao)

Source: NANOSCALE ADVANCES **Volume:** 5 **Issue:** 21 **Pages:** 5705-5716 **DOI:** 10.1039/d3na00342f **Early Access Date:** SEP 2023 **Published:** OCT 24 2023

Record 138 of 1000

Title: Importance of solvent roles in molecular, electronic and dynamical properties, thermodynamic quantities, Mulliken charges, reactive analysis and molecular docking of 2-Bromo-1H-imidazole-4,5-dicarbonitrile

Author(s): Lawrence, M (Lawrence, M.); Rajesh, P (Rajesh, P.); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 388 **Article Number:** 122744 **DOI:** 10.1016/j.molliq.2023.122744 **Early Access Date:** AUG 2023 **Published:** OCT 15 2023

Record 139 of 1000

Title: Spectroscopy and absolute photoluminescence quantum yield of Eu³⁺-doped zinc-tellurite glasses for solid state lightning applications

Author(s): Keenatampalle, S (Keenatampalle, Suresh); Devi, NR (Devi, N. Rama); Vijayalakshmi, K (Vijayalakshmi, K.); Abd EL-Gawaad, NS (Abd EL-Gawaad, N. S.); Mallasiy, LO (Mallasiy, L. O.); Sudhakar, BM (Sudhakar, B. Muni); Reddy, NM (Reddy, N. Manohar)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 666 **Article Number:** 415109 **DOI:** 10.1016/j.physb.2023.415109 **Early Access Date:** JUL 2023 **Published:** OCT 1 2023

Record 140 of 1000

Title: Biological and Sensing Applications of a Few 1,3,4-Oxadiazole Based Donor-Acceptor Systems

Author(s): Remya, TM (Remya, T. M.); Asha, TM (Asha, T. M.); Deepti, A (Deepti, Ayswaria); Prakash, P (Prakash, Prabha); Chakrapani, PSB (Chakrapani, P. S. Baby); Unnikrishnan, PA (Unnikrishnan, P. A.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: JOURNAL OF FLUORESCENCE **Volume:** 33 **Issue:** 5 **Pages:** 2023-2039 **DOI:** 10.1007/s10895-023-03206-2 **Early Access Date:** MAR 2023 **Published:** SEP 2023

Record 141 of 1000

Title: Enhancing the Dissolution of Oral Dasatinib Tablets Using Zein- Hydroxypropyl Methylcellulose Solid Dispersions

Author(s): Alharbi, HM (Alharbi, Hanan M.); Alqahtani, T (Alqahtani, Taha); Batubara, A (Batubara, Afnan); Alshaer, A (Alshaer, Aisha); Alqurashi, B (Alqurashi, Bushra); Bahwairth, L (Bahwairth, Lama); Khawaji, H (Khawaji, Huda); Almohammadi, M (Almohammadi, Majd)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICAL RESEARCH AND ALLIED SCIENCES **Volume:** 12 **Issue:** 1 **Pages:** 139-148 **DOI:** 10.51847/crBI2n6KLG **Published:** 2023

Record 142 of 1000

Title: Angular surface plasmon resonance-based sensor with a silver nanocomposite layer for effective water pollution detection

Author(s): Sayed, FA (Sayed, Fatma A.); Elsayed, HA (Elsayed, Hussein A.); Al-Dossari, M (Al-Dossari, M.); Eissa, MF (Eissa, M. F.); Mehaney, A (Mehaney, Ahmed); Aly, AH (Aly, Arafa H.)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 21793 **DOI:** 10.1038/s41598-023-48837-4 **Published:** DEC 8 2023

Record 143 of 1000

Title: Excellence evaluation of samarium doped Mn-Zn ferrite nanocrystals for room temperature HCl detection

Author(s): Bandgar, SS (Bandgar, Sushilkumar S.); Hingangavkar, GM (Hingangavkar, Gajanan M.); Kore, EK (Kore, Ekanath K.); Selvaraj, M (Selvaraj, Manickam); Mulik, RN (Mulik, Ramesh N.); Patil, VB (Patil, Vikas B.)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 314 **Article Number:** 128861 **DOI:** 10.1016/j.matchemphys.2023.128861 **Early Access Date:** DEC 2023 **Published:** FEB 15 2024

Record 144 of 1000

Title: Impact of lignin-carbohydrate complex (LCC) linkages on cellulose pyrolysis chemistry

Author(s): Padmanathan, AMD (Padmanathan, Arul Mozhi Devan); Beck, S (Beck, Seth); Ansari, KB (Ansari, Khursheed B.); Mushrif, SH (Mushrif, Samir H.)

Source: ENERGY ADVANCES **Volume:** 3 **Issue:** 2 **Pages:** 515-528 **DOI:** 10.1039/d3ya00427a **Early Access Date:** DEC 2023 **Published:** FEB 15 2024

Record 145 of 1000

Title: Experimental Analysis of Drying Conditions' Effect on the Drying Kinetics and Moisture Desorption Isotherms at Several Temperatures on Food Materials: Corn Case Study

Author(s): Kraiem, A (Kraiem, Amal); Madiouli, J (Madiouli, Jamel); Shigidi, I (Shigidi, Ihab); Sghaier, J (Sghaier, Jalila)

Source: PROCESSES **Volume:** 11 **Issue:** 1 **Article Number:** 184 **DOI:** 10.3390/pr11010184 **Published:** JAN 2023

Record 146 of 1000

Title: Modification of Dispersin B with Cyclodextrin-Ciprofloxacin Derivatives for Treating Staphylococcal

Author(s): Abdelkader, J (Abdelkader, Jinan); Alelyani, M (Alelyani, Magbool); Alashban, Y (Alashban, Yazeed); Alghamdi, SA (Alghamdi, Sami A.); Bakkour, Y (Bakkour, Youssef)

Source: MOLECULES **Volume:** 28 **Issue:** 14 **Article Number:** 5311 **DOI:** 10.3390/molecules28145311 **Published:** JUL 2023

Record 147 of 1000

Title: Synthesis and Chemistry of 1,2,4,3-Triazaphosphole Derivatives

Author(s): Ali, TE (Ali, Tarik E.); Hassanin, NM (Hassanin, Noha M.); Assiri, MA (Assiri, Mohammed A.); Abdel-Kariem, SM (Abdel-Kariem, Somaia M.)

Record 148 of 1000

Title: Zirconium Oxide Nanostructure Integrated Screen-Printed Mirabegron Voltammetric Sensors

Author(s): Snari, RM (Snari, Razan M.); Alharbi, A (Alharbi, Arwa); Munshi, AM (Munshi, Alaa M.); Al-Ahmed, ZA (Al-Ahmed, Zehbah A.); Aljuhani, E (Aljuhani, Enas); Alluhaybi, AA (Alluhaybi, Ahmad A.); Althagafi, I (Althagafi, Ismail); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: JOURNAL OF THE ELECTROCHEMICAL SOCIETY **Volume:** 170 **Issue:** 11 **Article Number:** 113506 **DOI:** 10.1149/1945-7111/ad0d1a **Published:** NOV 1 2023

Record 149 of 1000

Title: Corrosion protection ability of hydrophobic zinc based coordination polymers on mild steel surface

Author(s): Kumar, Y (Kumar, Yeeshu); Pandey, S (Pandey, Shardeshu); Yashpal, S (Yashpal, Saksham); Mahendar, C (Mahendar, Chinthakuntla); Pandey, VK (Pandey, Vinay Kumar); Kalam, A (Kalam, Abul); Dubey, M (Dubey, Mrigendra)

Source: JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH **Volume:** 20 **Issue:** 3 **Pages:** 1145-1155 **DOI:** 10.1007/s11998-022-00734-7 **Early Access Date:** FEB 2023 **Published:** MAY 2023

Record 150 of 1000

Title: Fused ring pyrrolo[3,2-b]pyrrole-based tilde-shaped acceptor molecules for highly efficient organic solar cells

Author(s): Atiq, K (Atiq, Kainat); Adnan, M (Adnan, Muhammad); Muhammad, S (Muhammad, Shabbir); Hussain, R (Hussain, Riaz); Irshad, Z (Irshad, Zobia); Khan, MU (Khan, Muhammad Usman)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 176 **Article Number:** 111228 **DOI:** 10.1016/j.jpcs.2023.111228 **Early Access Date:** JAN 2023 **Published:** MAY 2023

Record 151 of 1000

Title: Fabrication of Flexible Films for Supercapacitors Using Halloysite Nano-Clay Incorporated Poly(lactic acid)

Author(s): Chikkatti, BS (Chikkatti, Bipin S.); Sajjan, AM (Sajjan, Ashok M.); Banapurmath, NR (Banapurmath, Nagaraj R.); Bhutto, JK (Bhutto, Javed Khan); Verma, R (Verma, Rajesh); Khan, TMY (Khan, T. M. Yunus)

Source: POLYMERS **Volume:** 15 **Issue:** 23 **Article Number:** 4587 **DOI:** 10.3390/polym15234587 **Published:** DEC 2023

Record 152 of 1000

Title: Interleukin-1 receptor antagonist: From synthesis to therapeutic applications

Author(s): Rehman, K (Rehman, Kanwal); Afzaal, A (Afzaal, Ammara); Akash, MSH (Akash, Muhammad Sajid Hamid); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: BIOCELL **Volume:** 47 **Issue:** 4 **Pages:** 809-823 **DOI:** 10.32604/biocell.2023.025850 **Published:** 2023

Record 153 of 1000

Title: Synergistic effect of silica/polypyrrole nanocomposites synthesized by hydrothermal method using rice husk as a silica source for corrosion protection

Author(s): Mahalingam, V (Mahalingam, V.); Sivaraju, M (Sivaraju, M.); Kumar, GS (Kumar, G. Suresh); Lalithambigai, K (Lalithambigai, K.); Priyan, SR (Priyan, S. Ranjith); Alam, MM (Alam, Mohammed Mujahid)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 313 **Article Number:** 128752 **DOI:** 10.1016/j.matchemphys.2023.128752 **Early Access Date:** DEC 2023 **Published:** FEB 1 2024

Record 154 of 1000

Title: Aggregation induced emission enhancement (AIEE) receptor for the rapid detection of Cu²⁺ ions with in vivo studies in A549 and AGS gastric cancer cells

Author(s): Nelson, M (Nelson, Malini); Santhalingam, G (Santhalingam, Gayathri); Ashokkumar, B (Ashokkumar, Balasubramaniam); Ayyanar, S (Ayyanar, Siva); Selvaraj, M (Selvaraj, Manickam)

Source: MICROCHEMICAL JOURNAL **Volume:** 194 **Article Number:** 109294 **DOI:** 10.1016/j.microc.2023.109294 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 155 of 1000

Title: Discovery of Novel Myristic Acid Derivatives as N-Myristoyltransferase Inhibitors: Design, Synthesis, Analysis, Computational Studies and Antifungal Activity

Author(s): Javid, S (Javid, Saleem); Ather, H (Ather, Hissana); Hani, U (Hani, Umme); Siddiqua, A (Siddiqua, Ayesha); Ansari, SMA (Ansari, Shaik Mohammad Asif); Shanmugarajan, D (Shanmugarajan, Dhivya); Kumar, HY (Kumar, Honnavalli Yogish); Arivuselvam, R (Arivuselvam, Rajaguru); Purohit, MN (Purohit, Madhusudan N.); Kumar, BRP (Kumar, B. R. Prashantha)

Source: ANTIBIOTICS-BASEL **Volume:** 12 **Issue:** 7 **Article Number:** 1167 **DOI:** 10.3390/antibiotics12071167 **Published:** JUL 2023

Record 156 of 1000

Title: Sustainable wastewater purification with crab shell-derived biochar: Advanced machine learning modeling & experimental analysis

Author(s): Bibi, A (Bibi, Amina); Khan, H (Khan, Hammad); Hussain, S (Hussain, Sajjad); Arshad, M (Arshad, Muhammad); Wahab, F (Wahab, Fazal); Usama, M (Usama, Muhammad); Khan, K (Khan, Khurram); Akbal, F (Akbal, Feryal)

Source: BIORESOURCE TECHNOLOGY **Volume:** 390 **Article Number:** 129900 **DOI:** 10.1016/j.biortech.2023.129900 **Early Access Date:** OCT 2023 **Published:** DEC 2023

Record 157 of 1000

Title: Recent advances in two-dimensional metal-organic frameworks as an exotic candidate for the evaluation of redox-active sites in energy storage devices

Author(s): Muzaffar, N (Muzaffar, Nimra); Afzal, AM (Afzal, Amir Muhammad); Hegazy, HH (Hegazy, H. H.); Iqbal, MW (Iqbal, Muhammad Waqas)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 64 **Article Number:** 107142 **DOI:** 10.1016/j.est.2023.107142 **Early Access Date:** MAR 2023 **Published:** AUG 1 2023

Record 158 of 1000

Title: Fe₃O₄ nanoparticles as an efficient catalyst for one-pot synthesis of novel fused phosphorus heterocycles bearing diethyl phosphonate

Author(s): Ali, TE (Ali, Tarik E. E.); Assiri, MA (Assiri, Mohammed A. A.); Hussien, MSA (Hussien, Mai S. A.); Hassanin, NM (Hassanin, Noha M. M.)

Source: PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS **Volume:** 198 **Issue:** 5 **Pages:** 435-441 **DOI:** 10.1080/10426507.2023.2168271 **Early Access Date:** JAN 2023 **Published:** MAY 4 2023

Record 159 of 1000

Title: Investigation on structural, optical and anti-bacterial properties of organic additives iron oxide prepared by chemical route method

Author(s): Zeeshan, T (Zeeshan, Talat); Obaid, A (Obaid, Asma); Waseem, S (Waseem, Salma); Ali, MD (Ali, Muhammad Danish); Kayani, Z (Kayani, Zohra); Brahmia, A (Brahmia, Ameni)

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 17 **Issue:** 2 **Article Number:** 105581 **DOI:** 10.1016/j.arabjc.2023.105581 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 160 of 1000

Title: Isolation, Identification, and Antibacterial Properties of Prodigiosin, a Bioactive Product Produced by a New *Serratia marcescens* JSSCPM1 Strain: Exploring the Biosynthetic Gene Clusters of *Serratia* Species for Biological Applications

Author(s): Arivuselvam, R (Arivuselvam, Rajaguru); Dera, AA (Dera, Ayed A.); Ali, SP (Ali, Syed Parween); Alraey, Y (Alraey, Yasser); Saif, A (Saif, Ahmed); Hani, U (Hani, Umme); Ramakrishnan, SA (Ramakrishnan, Sivaa Arumugam); Azeeze, MSTA (Azeeze, Mohamed Sheik Tharik Abdul); Rajeshkumar, R (Rajeshkumar, Raman); Susil, A (Susil, Aishwarya); Harindranath, H (Harindranath, Haritha); Kumar, BRP (Kumar, B. R. Prashantha)

Source: ANTIBIOTICS-BASEL **Volume:** 12 **Issue:** 9 **Article Number:** 1466 **DOI:** 10.3390/antibiotics12091466 **Published:** SEP 2023

Record 161 of 1000

Title: Development of highly sensitive Al, Ga, and In-doped ZnO films by the drop casting method for NH₃ gas sensing

Author(s): Shkir, M (Shkir, Mohd.)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 10 **Pages:** 4880-4887 **DOI:** 10.1039/d2nj05323c **Early Access Date:** JAN 2023 **Published:** MAR 6 2023

Record 162 of 1000

Title: Study of the structural, optical, and electrical characteristics of $\text{Sr}_{2-x}\text{Sn}_{1.6-x}\text{In}_{0.2-x}\text{Cu}_{0.2-x}\text{O}_{6-\delta}$ mixed ionic-electronic conductor

Author(s): Zouaghi, A (Zouaghi, Aymen); Belgacem, B (Belgacem, Besma); Alhussein, A (Alhussein, Akram); Brahmia, A (Brahmia, Ameni); Ben Hassen, R (Ben Hassen, Rached)

Source: JOURNAL OF SOLID STATE CHEMISTRY **Volume:** 328 **Article Number:** 124303 **DOI:** 10.1016/j.jssc.2023.124303 **Early Access Date:** SEP 2023 **Published:** DEC 2023

Record 163 of 1000

Title: Proniosomal Gel-Loaded Phosphodiesterase Inhibitors (Sildenafil, Vardenafil, and Tadalafil): Prospects for Topical Penile Therapy of Tadalafil for Treatment of Erectile Dysfunction

Author(s): Mohamed, SA (Mohamed, Soad A.); Rofaail, RR (Rofaail, Remon Roshdy); Salem, H (Salem, Hesham); Elrehany, M (Elrehany, Mahmoud); Asiri, YI (Asiri, Yahya I.); Al Fatease, A (Al Fatease, Adel); Abdelkader, H (Abdelkader, Hamdy)

Source: GELS **Volume:** 9 **Issue:** 8 **Article Number:** 597 **DOI:** 10.3390/gels9080597 **Published:** AUG 2023

Record 164 of 1000

Title: Unique hierarchical architecture of SnO_2 hexagonal interconnected nanolayered arrays as negative electrode for high performance asymmetric supercapacitors

Author(s): Jabeen, N (Jabeen, Nawishta); Hussain, A (Hussain, Ahmad); Elsaedy, HI (Elsaedy, H. I.); Rahman, AU (Rahman, Altaf Ur); Tarique, M (Tarique, Maria)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 303 **Article Number:** 127796 **DOI:** 10.1016/j.matchemphys.2023.127796 **Early Access Date:** APR 2023 **Published:** JUL 15 2023

Record 165 of 1000

Title: Potential of first row transition metal decorated graphitriyne quantum dots as single atom catalysts towards hydrogen evolution reaction (HER)

Author(s): Ullah, F (Ullah, Faizan); Gilani, MA (Gilani, Mazhar Amjad); Imran, M (Imran, Muhammad); Ayub, K (Ayub, Khurshid); Mahmood, T (Mahmood, Tariq)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 11 **Article Number:** 115308 **DOI:** 10.1088/1402-4896/ad01f6 **Published:** NOV 1 2023

Record 166 of 1000

Title: Synthesis, characterization and photocatalytic activity study of aluminium doped BiSbO_4 microflakes

Author(s): Ajmal, A (Ajmal, Amna); El Sayed, ME (El Sayed, Mohamed E.); Warsi, MF (Warsi, Muhammad Farooq); Murshed, MN (Murshed, Mohammad N.); Samir, A (Samir, Ahmed); El-Bahy, ZM (El-Bahy, Zeinhom M.); Munir, S (Munir, Sana)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 7 **Pages:** 10976-10985 **DOI:** 10.1016/j.ceramint.2022.11.292 **Early Access Date:** FEB 2023 **Published:** APR 1 2023

Record 167 of 1000

Title: Green Synthesis of Withania coagulans Extract-Mediated Zinc Oxide Nanoparticles as Photocatalysts and Biological Agents

Author(s): Maher, S (Maher, Saima); Zamina, B (Zamina, Bakht); Riaz, M (Riaz, Musarat); Riaz, S (Riaz, Sana); Khalid, N (Khalid, Noreen); Imran, M (Imran, Muhammad); Fahmid, S (Fahmid, Shagufta); Ishtiaq, H (Ishtiaq, Hina); Parveen, S (Parveen, Shafia)

Source: ACS OMEGA **Volume:** 8 **Issue:** 49 **Pages:** 46715-46727 **DOI:** 10.1021/acsomega.3c05947 **Published:** NOV 30 2023

Record 168 of 1000

Title: Evaluation of templated N/P co-doped hierarchical mesoporous biocarbon/ 2D-molybdenum disulfide/polypyrrole composite as a supercapacitor electrode for U(VI) electrosorption

Author(s): Shehzad, H (Shehzad, Hamza); Chen, JA (Chen, Jiaai); Shuang, MT (Shuang, Meng Ting); Liu, ZR (Liu, Zhirong); Zhou, LM (Zhou, Limin); Wang, Y (Wang, Yun); Farooqi, ZH (Farooqi, Zahoor H.); Ahmed, E (Ahmed, Ejaz);

Sharif, A (Sharif, Ahsan); Irfan, A (Irfan, Ahmad); Ouyang, JB (Ouyang, Jinbo); Feng, ZH (Feng, Zihao)

Source: SEPARATION AND PURIFICATION TECHNOLOGY **Volume:** 329 **Article Number:** 125226 **DOI:** 10.1016/j.seppur.2023.125226 **Early Access Date:** SEP 2023 **Published:** JAN 15 2024

Record 169 of 1000

Title: Tuning the Surface Electronic Structure of Amorphous NiWO₄ by Doping Fe as an Electrocatalyst for OER

Author(s): Dhandapani, HN (Dhandapani, Hariharan N.); Madhu, R (Madhu, Ragunath); De, ADT (De, Aditi); Salem, MA (Salem, Mohamed A. A.); Babu, BR (Babu, B. Ramesh); Kundu, S (Kundu, Subrata)

Source: INORGANIC CHEMISTRY **Volume:** 62 **Issue:** 30 **Pages:** 11817-11828 **DOI:** 10.1021/acs.inorgchem.3c01095 **Early Access Date:** JUL 2023 **Published:** JUL 12 2023

Record 170 of 1000

Title: Novel decorated aluminium(iii) phthalocyanine complex with the application of MWCNTs on electrodes: electrochemical non-enzymatic oxidation and reduction of glucose and hydrogen peroxide

Author(s): Mounesh (Mounesh); Manikanta, P (Manikanta, P.); Reddy, KRV (Reddy, K. R. Venugopala); Selvaraj, M (Selvaraj, Manickam.); Vidyasagar, CC (Vidyasagar, C. C.); Nagaraja, BM (Nagaraja, Bhari Mallanna)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 30 **Pages:** 20723-20736 **DOI:** 10.1039/d3ra02617e **Published:** JUL 7 2023

Record 171 of 1000

Title: Nano Edible Coatings and Films Combined with Zinc Oxide and Pomegranate Peel Active Phenol Compounds Has Been to Extend the Shelf Life of Minimally Processed Pomegranates

Author(s): Anean, HA (Anean, Hosam Aboul); Mallasiy, LO (Mallasiy, L. O.); Bader, DMD (Bader, Dina M. D.); Shaat, HA (Shaat, Heba A.)

Source: MATERIALS **Volume:** 16 **Issue:** 4 **Article Number:** 1569 **DOI:** 10.3390/ma16041569 **Published:** FEB 2023

Record 172 of 1000

Title: Corrigendum to "Current trends for wastewater treatment technologies with typical configurations of photocatalytic membrane reactor hybrid systems: A review"(vol 192, artn 109503,2023)

Author(s): Khader, EH (Khader, Eman H.); Mohammed, TJ (Mohammed, Thamer J.); Albayati, TM (Albayati, Talib M.); Harharah, HN (Harharah, Hamed N.); Amari, A (Amari, Abdelfattah); Saady, NMC (Saady, Noori M. Cata); Zendejboudi, S (Zendejboudi, Sohrab)

Source: CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION **Volume:** 195 **Article Number:** 109649 **DOI:** 10.1016/j.cep.2023.109649 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 173 of 1000

Title: Performance of variable characteristics on MHD Jeffery nanofluid over spinning disk with Cattaneo-Christov heat flux and microswimmers

Author(s): Khan, NS (Khan, Noor Saeed); Alshammari, BH (Alshammari, Basmah H.); Noor, A (Noor, Adeeb); Hassine, SB (Hassine, Siwar Ben Hadj)

Source: ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK **Volume:** 104 **Issue:** 1 **Article Number:** e202200247 **DOI:** 10.1002/zamm.202200247 **Early Access Date:** AUG 2023 **Published:** JAN 2024

Record 174 of 1000

Title: Experimental and theoretical DFT study of hydrothermally synthesized MoS₂-doped-TiO₂ nanocomposites for photocatalytic application

Author(s): Jameel, MH (Jameel, Muhammad Hasnain); Bin Mayzan, MZH (Bin Mayzan, Mohd Zul Hilmi); bin Roslan, MS (bin Roslan, Muhammad Sufi); Zuhan, MKNB (Zuhan, Mohd Khairul Nizam Bin Mohd); Rizvi, SZH (Rizvi, Syed Zuhaib Haider); Bin Agam, MA (Bin Agam, Mohd Arif); Al-Anazy, MM (Al-Anazy, Murefah mana); Yousef, E (Yousef, El Sayed)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 448 **Article Number:** 115334 **DOI:** 10.1016/j.jphotochem.2023.115334 **Early Access Date:** NOV 2023 **Published:** FEB 1 2024

Record 175 of 1000

Title: Conversion of cane bagasse to Ni-HPO₂-functionalized activated carbon for efficient removal of organic matters from industrial crude phosphoric acid

Author(s): Elsaied, M (Elsaied, Mohamed); El Naga, AOA (Abo El Naga, Ahmed O.); El Nagggar, AMA (El Nagggar, Ahmed M. A.); Masoud, AM (Masoud, Ahmed M.); El-Zahhar, AA (El-Zahhar, Adel A.); Alghamdi, MM (Alghamdi, Majed M.); Taha, MH (Taha, Mohamed H.)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-04941-z **Early Access Date:** OCT 2023

Record 176 of 1000

Title: Facile synthesis of silver doped WO₃ nanocomposite with 2-D reduced graphene oxide to boost photocatalytic efficiency

Author(s): Ejaz, SR (Ejaz, Syeda Rabia); Elsaedy, HI (Elsaedy, H. I.); Iqbal, MA (Iqbal, M. Asif); Farid, HMT (Farid, Hafiz Muhammad Tahir)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 157 **Article Number:** 111354 **DOI:** 10.1016/j.inoche.2023.111354 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 177 of 1000

Title: Biosynthesized Cerium Oxide Nanoparticles CeO₂NPs: Recent Progress and Medical Applications

Author(s): Humaira (Humaira); Bukhari, SAR (Bukhari, Sayyad Ali Raza); Shakir, HA (Shakir, Hafiz Abdullah); Khan, M (Khan, Muhammad); Saeed, S (Saeed, Shagufta); Ahmad, I (Ahmad, Irfan); Irfan, M (Irfan, Muhammad)

Source: CURRENT PHARMACEUTICAL BIOTECHNOLOGY **Volume:** 24 **Issue:** 6 **Pages:** 766-779 **DOI:** 10.2174/1389201023666220821161737 **Published:** 2023

Record 178 of 1000

Title: Prevalence and predictors of cervical cancer screening among HIV-positive women in rural western Uganda: insights from the health-belief model

Author(s): Vigneshwaran, E (Vigneshwaran, Easwaran); Goruntla, N (Goruntla, Narayana); Bommireddy, BR (Bommireddy, Bhavana Reddy); Mantargi, MJS (Mantargi, Mohammad Jaffar Sadiq); Mopuri, B (Mopuri, Bhavani); Thammisetty, DP (Thammisetty, Durga Prasad); Veerabhadrapa, KV (Veerabhadrapa, Kasturi Vishwanathasetty); Bukke, SPN (Bukke, Sarad Pawar Naik)

Source: BMC CANCER **Volume:** 23 **Issue:** 1 **Article Number:** 1216 **DOI:** 10.1186/s12885-023-11683-8 **Published:** DEC 8 2023

Record 179 of 1000

Title: "Probing the Effect of Acceptor Moiety Engineering in Carbazole-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells"

Author(s): Zahid, WA (Zahid, Waqar Ali); Ahmad, MF (Ahmad, Muhammad Fiaz); Akram, W (Akram, Waqas); Shaaban, IA (Shaaban, Ibrahim A.); Assiri, MA (Assiri, Mohammed A.); Elmushyakh, A (Elmushyakh, Abraham); Iqbal, J (Iqbal, Javed)

Source: ADVANCED THEORY AND SIMULATIONS **Volume:** 6 **Issue:** 11 **DOI:** 10.1002/adts.202300495 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 180 of 1000

Title: A Unified Approach for Extremal General Exponential Multiplicative Zagreb Indices

Author(s): Ismail, R (Ismail, Rashad); Azeem, M (Azeem, Muhammad); Shang, YL (Shang, Yilun); Imran, M (Imran, Muhammad); Ahmad, A (Ahmad, Ali)

Source: AXIOMS **Volume:** 12 **Issue:** 7 **Article Number:** 675 **DOI:** 10.3390/axioms12070675 **Published:** JUL 2023

Record 181 of 1000

Title: Designing of thiazolidinones against chicken pox, monkey pox, and hepatitis viruses: A computational approach

Author(s): Raza, MA (Raza, Muhammad Asam); Farwa, U (Farwa, Umme); Ishaque, F (Ishaque, Fatima); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: COMPUTATIONAL BIOLOGY AND CHEMISTRY **Volume:** 103 **Article Number:** 107827 **DOI:** 10.1016/j.compbiolchem.2023.107827 **Early Access Date:** FEB 2023 **Published:** APR 2023

Record 182 of 1000

Title: Investigation of structural, electronic, and optical properties Sc-PTM-O3 (PTM = Al, Ga, In, Tl) by ab initio method

Author(s): Ghani, MU (Ghani, Muhammad Usman); Sagir, M (Sagir, M.); Dahshan, A (Dahshan, A.); Tahir, MB (Tahir, M. B.); Khalil, A (Khalil, Adnan)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 157 **Article Number:** 111419 **DOI:** 10.1016/j.inoche.2023.111419 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 183 of 1000

Title: Plant mediated green synthesis of zinc oxide nanoparticles using *Citrus jambhiri* lushi leaves extract for photodegradation of methylene blue dye

Author(s): Waseem, S (Waseem, Salma); Sittar, T (Sittar, Tahira); Kayani, ZN (Kayani, Zohra N.); Gillani, SSA (Gillani, S. S. A.); Rafique, M (Rafique, Muhammad); Nawaz, MA (Nawaz, Muhammad Asif); Shaheen, SM (Shaheen, Sarmad Masood); Assiri, MA (Assiri, Mohammad A.)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 663 **Article Number:** 415005 **DOI:** 10.1016/j.physb.2023.415005 **Early Access Date:** MAY 2023 **Published:** AUG 15 2023

Record 184 of 1000

Title: Facile Synthesis and Antioxidant Activity Screening of Some Novel 3-Substituted Indole Derivatives

Author(s): Elgubbi, AS (Elgubbi, Amna S.); Alzahrani, AYA (Alzahrani, Abdullah Y. A.); El-Helw, EAE (El-Helw, Eman A. E.); Shaban, SS (Shaban, Safaa S.)

Source: POLYCYCLIC AROMATIC COMPOUNDS **DOI:** 10.1080/10406638.2023.2210729 **Early Access Date:** MAY 2023

Record 185 of 1000

Title: Recycling of thermoset waste/high-density polyethylene composites: Examining the thermal properties

Author(s): Periasamy, D (Periasamy, Diwahar); Manoharan, B (Manoharan, Bharathi); Niranjana, K (Niranjana, K.); Aravind, D (Aravind, D.); Krishnasamy, S (Krishnasamy, Senthilkumar); Natarajan, V (Natarajan, Varagunapandiyan)

Source: POLYMER COMPOSITES **Volume:** 45 **Issue:** 3 **Pages:** 2739-2748 **DOI:** 10.1002/pc.27953 **Early Access Date:** NOV 2023 **Published:** FEB 20 2024

Record 186 of 1000

Title: Hybrid molecules of thiadiazole-based benzothioate and benzenesulfonothioate: synthesis, structural analysis, and evaluation as potential inhibitors of thymidine phosphorylase and β -glucuronidase through in vitro and in silico approaches

Author(s): Khan, Y (Khan, Yousaf); Khan, S (Khan, Shoaib); Rehman, W (Rehman, Wajid); Hussain, R (Hussain, Rafaqat); Maalik, A (Maalik, Aneela); Ali, F (Ali, Farhan); Khan, MU (Khan, Muhammad Usman); Sattar, A (Sattar, Abdul); Assiri, MA (Assiri, Mohammed A.)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1294 **Article Number:** 136439 **DOI:** 10.1016/j.molstruc.2023.136439 **Early Access Date:** SEP 2023 **Part:** 2 **Published:** DEC 15 2023

Record 187 of 1000

Title: Elucidating the Potential Inhibitor against Type 2 Diabetes Mellitus Associated Gene of GLUT4

Author(s): Aldahish, A (Aldahish, Afaf); Balaji, P (Balaji, Prasanalakshmi); Vasudevan, R (Vasudevan, Rajalakshmi); Kandasamy, G (Kandasamy, Geetha); James, JP (James, Jainey P.); Prabakar, K (Prabakar, Kousalya)

Source: JOURNAL OF PERSONALIZED MEDICINE **Volume:** 13 **Issue:** 4 **Article Number:** 660 **DOI:** 10.3390/jpm13040660 **Published:** APR 2023

Record 188 of 1000

Title: Targeting GABA receptors with chalcone derivative compounds, what is the evidence?

Author(s): Benny, F (Benny, Feba); Kumar, S (Kumar, Sunil); Binu, A (Binu, Aiswarya); Parambi, DT (Parambi, Della Grace Thomas); Alsahli, TG (Alsahli, Tariq G.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Chandran, N (Chandran, Namitha); Manisha, DS (Manisha, Deepthi S.); Sreekumar, S (Sreekumar, Sarath); Bhatt, A (Bhatt, Akanksha); Madhu, K (Madhu, Krishnadas); Mathew, B (Mathew, Bijo)

Source: EXPERT OPINION ON THERAPEUTIC TARGETS **Volume:** 27 **Issue:** 12 **Pages:** 1257-1269 **DOI:** 10.1080/14728222.2023.2293752 **Early Access Date:** DEC 2023 **Published:** DEC 2 2023

Record 189 of 1000

Title: On the behavior of MoS₂-rGO nanocomposites for chemiresistive H₂S detection at room temperature

Author(s): Hingangavkar, GM (Hingangavkar, Gajanan M.); Kadam, SA (Kadam, Sujit A.); Ma, YR (Ma, Yuan-Ron); Selvaraj, M (Selvaraj, Manickam); Mulik, RN (Mulik, Ramesh N.); Patil, VB (Patil, Vikas B.)

Source: SENSORS AND ACTUATORS B-CHEMICAL **Volume:** 399 **Article Number:** 134843 **DOI:** 10.1016/j.snb.2023.134843 **Early Access Date:** NOV 2023 **Published:** JAN 15 2024

Record 190 of 1000

Title: Tuning the Magnetic Behavior of Sr²⁺-doped Cobalt Nickel ferrite Useful for Magnetic Storage Applications

Author(s): Angadi, VJ (Angadi, V. Jagadeesha); Kozakov, AT (Kozakov, A. T.); Nicolski, AV (Nicolski, A. V.); Rusalev, YV (Rusalev, Y. V.); Ahmed, IA (Ahmed, Inas A.); Kubrin, SP (Kubrin, S. P.); Wang, SF (Wang, Shifa)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 158 **Article Number:** 111583 **DOI:** 10.1016/j.inoche.2023.111583 **Early Access Date:** OCT 2023 **Part:** 1 **Published:** DEC 2023

Record 191 of 1000

Title: Enriched biological activity of copper oxide nanoparticles derived from *Aloe vera* extract

Author(s): Narayanan, M (Narayanan, Mahesh); Natarajan, RK (Natarajan, Ramesh Kannan); Sekar, DJG (Sekar, Dayana Jeyaleela Gnana); Paramasivan, R (Paramasivan, Rojamalar); Srinivasan, B (Srinivasan, Balakumar); Ahmad, Z (Ahmad, Zubair); Khan, FS (Khan, Farhat S.)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-04589-9 **Early Access Date:** JUL 2023

Record 192 of 1000

Title: Advancements in COVID-19 Testing: An In-depth Overview

Author(s): Kumar, R (Kumar, Rajesh); Harilal, S (Harilal, Seetha); Al-Sehemi, AG (Al-Sehemi, Abdullah G. G.); Pannipara, M (Pannipara, Mehboobali); Mathew, GE (Mathew, Githa Elizabeth); Mathew, B (Mathew, Bijo)

Source: CURRENT PHARMACEUTICAL BIOTECHNOLOGY **Volume:** 24 **Issue:** 9 **Pages:** 1122-1148 **DOI:** 10.2174/1389201023666220921144150 **Published:** 2023

Record 193 of 1000

Title: Tungsten dopant incorporation for bandgap and type engineering of perovskite crystals

Author(s): Khan, MI (Khan, M., I); Hussain, S (Hussain, Saddam); Subhani, WS (Subhani, Waqas Siddique); Ammami, M (Ammami, Mongi); Shahid, W (Shahid, Wajeehah); Ali, R (Ali, Rashid)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 9 **Article Number:** 095517 **DOI:** 10.1088/1402-4896/acecc1 **Published:** SEP 1 2023

Record 194 of 1000

Title: Understanding the polaron behavior in Cs₂CuSbCl₆ halide double perovskite

Author(s): Bechir, MB (Bechir, Mohamed Ben); Znaidia, S (Znaidia, Sami)

Source: PHYSICAL CHEMISTRY CHEMICAL PHYSICS **Volume:** 25 **Issue:** 29 **Pages:** 19684-19692 **DOI:** 10.1039/d3cp02176a **Early Access Date:** JUN 2023 **Published:** JUL 26 2023

Record 195 of 1000

Title: Manganese and copper doped perovskites nanocrystals and their optoelectronic applications

Author(s): Ahmad, I (Ahmad, Imtiaz); Abohashrh, M (Abohashrh, Mohammed); Aftab, A (Aftab, Ammara); Aziz, H (Aziz, Hadiqa); Fatima, I (Fatima, Irum); Shahzadi, N (Shahzadi, Nimra); Ahmad, S (Ahmad, Sadia); Muhmood, T (Muhmood, Tahir)

Source: APPLIED MATERIALS TODAY **Volume:** 32 **Article Number:** 101827 **DOI:** 10.1016/j.apmt.2023.101827 **Early Access Date:** APR 2023 **Published:** JUN 2023

Record 196 of 1000

Title: Encapsulation of *Leptadenia pyrotechnica* (Khip) Extract in Carbomer Based Emulgel for Its Enhanced Antioxidant Effects and Its In Vitro Evaluation

Author(s): Masood, S (Masood, Shamaila); Arshad, MS (Arshad, Muhammad Sohail); Khan, HMS (Khan, Haji Muhammad Shoaib); Begum, MY (Begum, M. Yasmin); Khan, KUR (Khan, Kashif ur Rehman)

Source: GELS **Volume:** 9 **Issue:** 12 **Article Number:** 977 **DOI:** 10.3390/gels9120977 **Published:** DEC 2023

Record 197 of 1000

Title: First-principles calculations to investigate elastic, electronic, optical, and thermodynamic properties of intermetallic elements Pt3T (T = Nb, Ru, Rh, Pd, and Ag)

Author(s): Sarker, S (Sarker, Sushmita); Rahman, MA (Rahman, Md Atikur); Ali, MS (Ali, M. S.); Roy, DC (Roy, Dayal Chandra); Irfan, A (Irfan, Ahmad); Lubna, JF (Lubna, Jannatul Ferdose)

Source: SOLID STATE COMMUNICATIONS **Volume:** 376 **Article Number:** 115362 **DOI:** 10.1016/j.ssc.2023.115362 **Early Access Date:** NOV 2023 **Published:** DEC 15 2023

Record 198 of 1000

Title: Multi-functions of amino thiophenol additives for shielding lithium metal anode in advanced Li-S battery

Author(s): Wang, Z (Wang, Zhao); Al Alwan, B (Al Alwan, Basem); Ng, KYS (Ng, K. Y. Simon)

Source: MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS **Volume:** 297 **Article Number:** 116727 **DOI:** 10.1016/j.mseb.2023.116727 **Early Access Date:** JUL 2023 **Published:** NOV 2023

Record 199 of 1000

Title: Synthesis, characterization, and computational exploration of 6-ethoxy-2-aminobenzothiazolium diphenylacetate crystal as an efficient NLO material

Author(s): Ramesh, KS (Ramesh, K. S.); Munusamy, S (Munusamy, Saravanabhavan); Muhammad, S (Muhammad, Shabbir); Karthikeyan, MS (Karthikeyan, Mari Sithambaram); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Sekar, M (Sekar, M.)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 14 **Article Number:** 1140 **DOI:** 10.1007/s10854-023-10528-1 **Published:** MAY 2023

Record 200 of 1000

Title: An in-depth analysis of how strain impacts the electronic, optical, and output performance of the Ca3NI3 novel inorganic halide perovskite

Author(s): Islam, MS (Islam, Md. Shoriful); Rahman, MF (Rahman, Md. Ferdous); Islam, MR (Islam, Md. Rasidul); Ghosh, A (Ghosh, Avijit); Monnaf, MA (Monnaf, Md. Abdul); Reza, MS (Reza, Md. Selim); Hossain, MK (Hossain, M. Khalid); Zaman, A (Zaman, Abid); Ezzine, S (Ezzine, Safa); Ben Farhat, L (Ben Farhat, Lamia)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 185 **Article Number:** 111791 **DOI:** 10.1016/j.jpcc.2023.111791 **Early Access Date:** NOV 2023 **Published:** FEB 2024

Record 201 of 1000

Title: The influence of heavy metallic wastes on the physical properties and gamma-ray shielding performance of ordinary concrete: Experimental evaluations

Author(s): Mahmoud, KG (Mahmoud, K. G.); Alqahtani, MS (Alqahtani, Mohammed S.); Tashlykov, OL (Tashlykov, O. L.); Semenishchev, VS (Semenishchev, V. S.); Hanfi, MY (Hanfi, M. Y.)

Source: RADIATION PHYSICS AND CHEMISTRY **Volume:** 206 **Article Number:** 110793 **DOI:** 10.1016/j.radphyschem.2023.110793 **Early Access Date:** JAN 2023 **Published:** MAY 2023

Record 202 of 1000

Title: Green synthesis of gold and silver nanoparticles as antidiabetic and anticancerous agents

Author(s): Raza, MA (Raza, Muhammad Asam); Farwa, U (Farwa, Umme); Mumtaz, MW (Mumtaz, Muhammad Waseem); Kainat, J (Kainat, Javeria); Sabir, A (Sabir, Areej); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: GREEN CHEMISTRY LETTERS AND REVIEWS **Volume:** 16 **Issue:** 1 **Article Number:** 2275666 **DOI:** 10.1080/17518253.2023.2275666 **Published:** JAN 2 2023

Record 203 of 1000

Title: Applications of Polymethylhydrosiloxane (PMHS) in Organic Synthesis-Covering up to March 2022

Author(s): Alam, MM (Alam, Mohammed Mujahid); Seema, V (Seema, Vittal); Dubasi, N (Dubasi, Narsimhaswamy); Kurra, M (Kurra, Mohan); Varala, R (Varala, Ravi)

Source: MINI-REVIEWS IN ORGANIC CHEMISTRY **Volume:** 20 **Issue:** 7 **Pages:** 708-734 **DOI:** 10.2174/1570193X20666221021104906 **Published:** 2023

Record 204 of 1000

Title: SYNTHESIS OF SOME NEW THIOPHENE-BASED COMPOUNDS AND EVALUATIONS OF THEIR CYTOTOXIC ACTIVITIES

Author(s): Mehdhar, FS (Mehdhar, Fatima S.); Alzahrani, AYA (Alzahrani, Abdullah Y. A.); Abdel-Galil, E (Abdel-Galil, Ebrahim); Abdel-Ghani, GE (Abdel-Ghani, Ghada E.); Saeed, A (Saeed, Ali); Abdel-Latif, E (Abdel-Latif, Ehab)
Source: BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA **Volume:** 37 **Issue:** 2 **Pages:** 373-389 **DOI:** 10.4314/bcse.v37i2.10 **Published:** 2023

Record 205 of 1000

Title: Exploration of human pancreatic alpha-amylase inhibitors from *Physalis peruviana* for the treatment of type 2 diabetes

Author(s): Tiwari, VP (Tiwari, Virendra Prasad); Dubey, A (Dubey, Amit); Al-Shehri, M (Al-Shehri, Mohammed); Tripathi, IP (Tripathi, Indra Prasad)

Source: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS **Volume:** 42 **Issue:** 2 **Pages:** 1031-1046 **DOI:** 10.1080/07391102.2023.2243336 **Early Access Date:** JUL 2023 **Published:** JAN 22 2024

Record 206 of 1000

Title: Synthesis and biological evaluation of 1,3,4-oxadiazole bearing pyrimidine-pyrazine derivatives as anticancer agents

Author(s): Rachala, MR (Rachala, Muralidhar Reddy); Maringanti, TC (Maringanti, Thirumala Chary); Syed, T (Syed, Tasqeeruddin); Eppakayala, L (Eppakayala, Laxminarayana)

Source: SYNTHETIC COMMUNICATIONS **Volume:** 53 **Issue:** 15 **Pages:** 1262-1268 **DOI:** 10.1080/00397911.2023.2219354 **Early Access Date:** JUN 2023 **Published:** AUG 3 2023

Record 207 of 1000

Title: Novel Sn-Doped WO₃ Photocatalyst to Degrade the Organic Pollutants Prepared by Green Synthesis Approach

Author(s): Khalid, NR (Khalid, N. R.); Ilyas, S (Ilyas, Samavia); Ali, F (Ali, Faisal); Iqbal, T (Iqbal, Tahir); Rafique, M (Rafique, M.); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammad A. A.)

Source: ELECTRONIC MATERIALS LETTERS **Volume:** 20 **Issue:** 1 **Pages:** 85-94 **DOI:** 10.1007/s13391-023-00436-1 **Early Access Date:** MAY 2023 **Published:** JAN 2024

Record 208 of 1000

Title: Insights into electro-assisted and selective adsorption of U(VI) using hierarchical porous and activated biocarbon from lotus pods/2D-MoS₂/ polypyrrole composites through capacitive deionization

Author(s): Shehzad, H (Shehzad, Hamza); Chen, JA (Chen, Jiaai); Shuang, MT (Shuang, Meng Ting); Liu, ZR (Liu, Zhirong); Farooqi, ZH (Farooqi, Zahoor H.); Sharif, A (Sharif, Ahsan); Zhou, LM (Zhou, Limin); Ahmed, E (Ahmed, Ejaz); Irfan, A (Irfan, Ahmad); Begum, R (Begum, Robina); Ouyang, JB (Ouyang, Jinbo)

Source: PROCESS SAFETY AND ENVIRONMENTAL PROTECTION **Volume:** 181 **Pages:** 354-366 **DOI:** 10.1016/j.psep.2023.11.032 **Early Access Date:** NOV 2023 **Published:** JAN 2024

Record 209 of 1000

Title: Computational Insight into Electronic, Optical and Photophysical Properties of Small Compounds for Solar Cell Applications

Author(s): Chaudhry, AR (Chaudhry, Aijaz Rasool); Obaidat, YAH (Obaidat, Yahia A. H.); Muhammad, S (Muhammad, Shabbir); DaifAllah, SY (DaifAllah, Saifedin Y.); Ul Haq, B (Ul Haq, Bakhtiar)

Source: JOURNAL OF COMPUTATIONAL BIOPHYSICS AND CHEMISTRY **Volume:** 22 **Issue:** 08 **Pages:** 915-923 **DOI:** 10.1142/S2737416523420024 **Early Access Date:** JUL 2023 **Published:** DEC 2023

Record 210 of 1000

Title: Exploring the inhibitory potential of novel piperidine-derivatives against main protease (Mpro) of SARS-CoV-2: A hybrid approach consisting of molecular docking, MD simulations and MMPBSA analysis

Author(s): Rafique, A (Rafique, Amina); Muhammad, S (Muhammad, Shabbir); Iqbal, J (Iqbal, Javed); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Alshahrani, MY (Alshahrani, Mohammad Y.); Ayub, K (Ayub, Khurshid); Gilani, MA (Gilani, Mazhar Amjad)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 382 **Article Number:** 121904 **DOI:** 10.1016/j.molliq.2023.121904 **Early Access Date:** MAY 2023 **Published:** JUL 15 2023

Record 211 of 1000

Title: Design, synthesis, anticancer evaluation, and molecular docking studies of 1,3,4-thiadiazole bearing 1,3,5-triazine-thiazoles

Author(s): Nalla, S (Nalla, Somaiah); Pavani, Y (Pavani, Y.); Kumar, GR (Kumar, Gollapudi Ravi); Sumalatha, P (Sumalatha, Poodari); Syed, T (Syed, Tasqeeruddin); Subbarao, M (Subbarao, Mannam)

Source: SYNTHETIC COMMUNICATIONS **Volume:** 54 **Issue:** 4 **Pages:** 268-281 **DOI:** 10.1080/00397911.2023.2286473 **Early Access Date:** DEC 2023 **Published:** FEB 16 2024

Record 212 of 1000

Title: Comprehensive study on deep eutectic solvent density based on various EoSs: SRK, PT, VTSRK, sPC-SAFT

Author(s): Bagheri, H (Bagheri, Hamidreza); Ghader, S (Ghader, Sattar); Abdulameer, S (Abdulameer, S.); Ahmad, N (Ahmad, Nafis)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 393 **Article Number:** 123627 **DOI:** 10.1016/j.molliq.2023.123627 **Early Access Date:** NOV 2023 **Published:** JAN 1 2024

Record 213 of 1000

Title: Improved SnS:Mg thin film solar cells achieved by reduced recombination rate

Author(s): Khan, MI (Khan, M. I.); Hussain, S (Hussain, Saddam); Fatima, M (Fatima, Mahvish); Bano, S (Bano, Shahar); Hasan, MS (Hasan, M. S.); Bashir, I (Bashir, Iqra); Ammami, M (Ammami, Mongi)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 157 **Article Number:** 111361 **DOI:** 10.1016/j.inoche.2023.111361 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 214 of 1000

Title: Enlightening the impact of TM doping on structural, electronic and magnetic properties of ceria for ReRAM applications: a GGA plus U study

Author(s): Mirza, SH (Mirza, Shafaat Hussain); Azam, S (Azam, Sikander); Abbas, Z (Abbas, Zeesham); Muhammad, S (Muhammad, Shabbir)

Source: CHEMICAL PAPERS **Volume:** 77 **Issue:** 9 **Pages:** 5481-5494 **DOI:** 10.1007/s11696-023-02879-0 **Early Access Date:** MAY 2023 **Published:** SEP 2023

Record 215 of 1000

Title: Synthesis and photocatalytic performance of CoMoO₄/MoO₃ composite for wastewater treatment

Author(s): Khalid, NR (Khalid, N. R.); Hamza, SM (Hamza, Syed Muhammad); Ali, F (Ali, Faisal); Iqbal, T (Iqbal, T.); Rafique, M (Rafique, M.); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammad A.)

Source: MATERIALS TODAY COMMUNICATIONS **Volume:** 35 **Article Number:** 105816 **DOI:** 10.1016/j.mtcomm.2023.105816 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 216 of 1000

Title: The role of commonly used transition metals in total synthesis of indole alkaloids

Author(s): Khan, AH (Khan, Abdul Hannan); Altaf, S (Altaf, Sawaira); Rasool, N (Rasool, Nasir); Mubarik, A (Mubarik, Adeel); Ahmad, M (Ahmad, Matloob); Shah, SAA (Shah, Syed Adnan Ali); Imran, S (Imran, Syahrul); Bajaber, MA (Bajaber, Majed A.)

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 17 **Issue:** 2 **Article Number:** 105523 **DOI:** 10.1016/j.arabjc.2023.105523 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 217 of 1000

Title: Synthesis of new heterocyclic ligands and study of the catecholase activity of catalysts based on copper(II)

Author(s): Bouroumane, N (Bouroumane, Nadia); El Boutaybi, M (El Boutaybi, Mohamed); El Kodadi, M (El Kodadi, Mohamed); Touzani, R (Touzani, Rachid); Oussaid, A (Oussaid, Adyl); Hammouti, B (Hammouti, Belkheir); Abboud, M (Abboud, Mohamed)

Source: REACTION KINETICS MECHANISMS AND CATALYSIS **Volume:** 136 **Issue:** 3 **Pages:** 1545-1562 **DOI:** 10.1007/s11144-023-02370-7 **Early Access Date:** APR 2023 **Published:** JUN 2023

Record 218 of 1000

Title: Solriamfetol impurities: Synthesis, characterization, and analytical method (UPLC-UV) validation

Author(s): Al-Rifai, N (Al-Rifai, Nafisah); Alshishani, A (Alshishani, Anas); Darras, F (Darras, Fouad); Taha, O (Taha, Ola); Abu-Jalloud, S (Abu-Jalloud, Shereen); Shaghilil, L (Shaghilil, Lena); Al-Ebini, Y (Al-Ebini, Yousef)

Source: JOURNAL OF PHARMACEUTICAL ANALYSIS **Volume:** 13 **Issue:** 4 **Pages:** 403-411 **DOI:** 10.1016/j.jpha.2023.02.012 **Early Access Date:** APR 2023 **Published:** APR 2023

Record 219 of 1000

Title: Technological Advancement in ω -3 Fatty Acids: Their Therapeutic Functions and Novel Delivery Strategies

Author(s): Victor, F (Victor, Francis); Rehman, K (Rehman, Kanwal); Akash, MSH (Akash, Muhammad Sajid Hamid); Rasheed, S (Rasheed, Sumbal); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed Ali)

Source: CURRENT PHARMACEUTICAL DESIGN **Volume:** 29 **Issue:** 12 **Pages:** 893-903 **DOI:** 10.2174/1381612829666230330144614 **Published:** 2023

Record 220 of 1000

Title: Triazolothiadiazoles and Triazolothiadiazines as New and Potent Urease Inhibitors: Insights from In Vitro Assay, Kinetics Data, and In Silico Assessment

Author(s): Uddin, J (Uddin, Jalal); Ullah, S (Ullah, Saeed); Halim, SA (Halim, Sobia Ahsan); Waqas, M (Waqas, Muhammad); Ibrar, A (Ibrar, Aliya); Khan, I (Khan, Imtiaz); Bin Muhsinah, A (Bin Muhsinah, Abdullatif); Khan, A (Khan, Ajmal); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: ACS OMEGA **Volume:** 8 **Issue:** 35 **Pages:** 31890-31898 **DOI:** 10.1021/acsomega.3c03546 **Early Access Date:** AUG 2023 **Published:** AUG 23 2023

Record 221 of 1000

Title: Facile engineering of Co₃O₄/Pr₂O₃ nanostructure for boosted oxygen evolution reaction

Author(s): Saleem, MK (Saleem, Muhammad Kashif); Jabbour, K (Jabbour, Karam); Niaz, NA (Niaz, Niaz Ahmad); Manzoor, S (Manzoor, Sumaira); Ashiq, MN (Ashiq, Muhammad Naeem); Hameed, A (Hameed, Ayesha); Shakoor, A (Shakoor, Abdul); Fawy, KF (Fawy, Khaled Fahmi); Khan, MS (Khan, Muhammad Shuaib)

Source: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **Volume:** 129 **Issue:** 12 **Article Number:** 833 **DOI:** 10.1007/s00339-023-07101-2 **Published:** DEC 2023

Record 222 of 1000

Title: Identification of Potent Inhibitors Targeting EGFR and HER3 for Effective Treatment of Chemoresistance in Non-Small Cell Lung Cancer

Author(s): Dera, AA (Dera, Ayed A.); Zaib, S (Zaib, Sumera); Hussain, N (Hussain, Nadia); Rana, N (Rana, Nehal); Javed, H (Javed, Hira); Khan, I (Khan, Imtiaz)

Source: MOLECULES **Volume:** 28 **Issue:** 12 **Article Number:** 4850 **DOI:** 10.3390/molecules28124850 **Published:** JUN 2023

Record 223 of 1000

Title: Synthesis of multi fluorine containing polyoxometalate sandwich type compound with drug delivery, DNA interaction and protein binding studies

Author(s): Khan, R (Khan, Rabbia); Tariq, M (Tariq, Muhammad); Shaaban, IA (Shaaban, Ibrahim A.); Assiri, MA (Assiri, Mohammed A.); Bhatti, MH (Bhatti, Moazzam H.); Asif, HM (Asif, Hafiz Muhammad)

Source: POLYHEDRON **Volume:** 243 **Article Number:** 116529 **DOI:** 10.1016/j.poly.2023.116529 **Early Access Date:** JUN 2023 **Published:** OCT 1 2023

Record 224 of 1000

Title: Extraction and Characterization of Fiber and Cellulose from Ethiopian Linseed Straw: Determination of Retting Period and Optimization of Multi-Step Alkaline Peroxide Process

Author(s): Feleke, K (Feleke, Kibrom); Thothadri, G (Thothadri, Ganesh); Tufa, HB (Beri Tufa, Habtamu); Rajhi, AA (Rajhi, Ali A.); Ahmed, GMS (Ahmed, Gulam Mohammed Sayeed)

Source: POLYMERS **Volume:** 15 **Issue:** 2 **Article Number:** 469 **DOI:** 10.3390/polym15020469 **Published:** JAN 2023

Record 225 of 1000

Title: ZnO-based inverted organic solar cells: a comparative analysis of simulation and experimental devices

Author(s): Chambaili (Chambaili); Ahmad, I (Ahmad, Ibrar); Hayat, K (Hayat, Khizar); Ahmad, E (Ahmad, Ejaz); Ali, N (Ali, Nasir); Safeen, K (Safeen, Kashif); Shah, ABL (Shah, Abdullah); Tirth, V (Tirth, Vineet); Algahtani, A (Algahtani, Ali); Shah, SK (Shah, Said Karim)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 11 **Article Number:** 115962 **DOI:** 10.1088/1402-4896/acfea2 **Published:** NOV 1 2023

Record 226 of 1000

Title: Design, synthesis, and density functional theory studies of a new selective chemosensor for Pb²⁺

Author(s): Hadi, H (Hadi, Hamid); Bouzid, G (Bouzid, Gassoumi); Nasr, S (Nasr, Samia); Ghalla, H (Ghalla, Houcine); Ben Chaabane, R (Ben Chaabane, Rafik); Ayachi, S (Ayachi, Sahbi)

Source: HELIYON **Volume:** 9 **Issue:** 9 **Article Number:** e20206 **DOI:** 10.1016/j.heliyon.2023.e20206 **Early**

Access Date: SEP 2023 **Published:** SEP 2023

Record 227 of 1000

Title: Development of Capillary Zone Electrophoresis Method for the Simultaneous Separation and Quantification of Metformin and Pioglitazone in Dosage Forms; and Comparison with HPLC Method

Author(s): AlThikrallah, MKI (AlThikrallah, Maymonah K. I.); Idris, AM (Idris, Abubakr M. M.); Elbashir, AA (Elbashir, Abdalla Ahmed); Elgorashe, REE (Elgorashe, Rafea E. E.); Buzid, A (Buzid, Alyah); Alnajjar, AO (Alnajjar, Ahmed O. O.)

Source: MOLECULES **Volume:** 28 **Issue:** 3 **Article Number:** 1184 **DOI:** 10.3390/molecules28031184 **Published:** FEB 2023

Record 228 of 1000

Title: A Review on Benzimidazole Scaffolds as Inhibitors of *Mycobacterium tuberculosis* Mycolyl-arabinogalactan-peptidoglycan Complex Biosynthesis

Author(s): Bhaskar, V (Bhaskar, Vaishnav); Kumar, S (Kumar, Sunil); Nair, AS (Nair, Aathira S.); Rajappan, KP (Rajappan, Krishnendu P.); Sudevan, ST (Sudevan, Sachithra T.); Parambi, D (Parambi, Della G. T.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Zachariah, SM (Zachariah, Subin M.); Pappachen, LK (Pappachen, Leena K.)

Source: COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING **Volume:** 26 **Issue:** 4 **Pages:** 668-681 **DOI:** 10.2174/1386207325666220415144511 **Published:** 2023

Record 229 of 1000

Title: Restricted intramolecular vibrations assisted enhanced fluorescence emission response of probe: A new experimental and theoretical approach for the detection of hydrogen peroxide

Author(s): Assiri, MA (Assiri, Mohammed A.); Munir, F (Munir, Farhan); Waseem, MT (Waseem, Muhammad Tahir); Irshad, H (Irshad, Hasher); Rauf, W (Rauf, Waqar); Shahzad, SA (Shahzad, Sohail Anjum)

Source: MICROCHEMICAL JOURNAL **Volume:** 193 **Article Number:** 109220 **DOI:** 10.1016/j.microc.2023.109220 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 230 of 1000

Title: Synthesis, Molecular Modeling, and Antioxidant Activity of New Thiadiazole-Triazole Analogs Hybridized with Thiophene

Author(s): Bayazeed, A (Bayazeed, Abrar); Althumayri, K (Althumayri, Khalid); Abu-Melha, S (Abu-Melha, Sraa); Alsoliemy, A (Alsoliemy, Amerah); Alnoman, RB (Alnoman, Rua B.); Qurban, J (Qurban, Jihan); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING **Volume:** 48 **Issue:** 6 **Pages:** 7553-7570 **DOI:** 10.1007/s13369-022-07572-0 **Early Access Date:** JAN 2023 **Published:** JUN 2023

Record 231 of 1000

Title: Sustainable appraisal of lac (*Kerria Lacca*) based anthraquinone natural dye for chemical and bio-mordanted viscose and silk dyeing

Author(s): Usman, M (Usman, Muhammad); Rehman, FU (Rehman, Fazal-ur); Afzal, M (Afzal, Mehboob); Javed, M (Javed, Mohsin); Ibrahim, M (Ibrahim, Muhammad); Amin, N (Amin, Nimra); Adeel, S (Adeel, Shahid); Imran, M (Imran, Muhammad); Mansour, R (Mansour, Rym)

Source: SCIENCE PROGRESS **Volume:** 106 **Issue:** 4 **Article Number:** 00368504231215944 **DOI:** 10.1177/00368504231215944 **Published:** OCT 2023

Record 232 of 1000

Title: Amelioration of Cancer Employing Chitosan, Its Derivatives, and Chitosan-Based Nanoparticles: Recent Updates

Author(s): Virmani, T (Virmani, Tarun); Kumar, G (Kumar, Girish); Sharma, A (Sharma, Ashwani); Pathak, K (Pathak, Kamla); Akhtar, MS (Akhtar, Md Sayeed); Afzal, O (Afzal, Obaid); Altamimi, ASA (Altamimi, Abdulmalik S. A.)

Source: POLYMERS **Volume:** 15 **Issue:** 13 **Article Number:** 2928 **DOI:** 10.3390/polym15132928 **Published:** JUL 2023

Record 233 of 1000

Title: Facile auto combustion synthesis of CuO nanoparticles and their structure-opto-dielectric and photodetection performances: An effect of different citric acid concentrations

Author(s): Al Otaibi, O (Al Otaibi, Omar); Shkir, M (Shkir, Mohd.); Ashraf, IM (Ashraf, I. M.)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 447 **Article Number:** 115194 **DOI:** 10.1016/j.jphotochem.2023.115194 **Early Access Date:** OCT 2023 **Published:** JAN 15 2024

Record 234 of 1000

Title: Synthesis, Characterization, and Evaluation of Antifungal Activity of 1-Butyl-3-hexyl-1*H*-imidazol-2(3*H*)-selenone by Surface-Enhanced Raman Spectroscopy

Author(s): ul Huda, N (ul Huda, Noor); Wasim, M (Wasim, Muhammad); Nawaz, H (Nawaz, Haq); Majeed, MI (Majeed, Muhammad Irfan); Rashid, N (Rashid, Nosheen); Javed, MR (Javed, Muhammad Rizwan); Iqbal, MA (Iqbal, Muhammad Adnan); Tariq, A (Tariq, Anam); Hassan, A (Hassan, Ahmad); Akram, MW (Akram, Muhammad Waseem); Jamil, F (Jamil, Faisal); Imran, M (Imran, Muhammad)

Source: ACS OMEGA **Volume:** 8 **Issue:** 39 **Pages:** 36460-36470 **DOI:** 10.1021/acsomega.3c05436 **Early Access Date:** SEP 2023 **Published:** SEP 21 2023

Record 235 of 1000

Title: Preparation and characterization of polymeric Schiff's base for carbon dioxide adsorption

Author(s): Siai, A (Siai, Amira); Policicchio, A (Policicchio, Alfonso); Alzahrani, AYA (Alzahrani, Abdullah Y. A.); Ahmed, Z (Ahmed, Zakarya); Charradi, K (Charradi, Khaled); Keshk, SMAS (Keshk, Sherif M. A. S.); Chtourou, R (Chtourou, Radhouane)

Source: CHEMISTRYSELECT **Volume:** 8 **Issue:** 31 **Article Number:** e202301831 **DOI:** 10.1002/slct.202301831 **Published:** AUG 18 2023

Record 236 of 1000

Title: D-Pinitol Content and Antioxidant and Antidiabetic Activities of Five *Bougainvillea spectabilis* Willd. Cultivars

Author(s): Abo-Elghiet, F (Abo-Elghiet, Fatma); Ahmed, AH (Ahmed, Amal H.); Aly, HF (Aly, Hanan F.); Younis, EA (Younis, Eman A.); Rabeh, MA (Rabeh, Mohamed A.); Alshehri, SA (Alshehri, Saad Ali); Alshahrani, KSA (Alshahrani, Khalid S. A.); Mohamed, SA (Mohamed, Shaza A.)

Source: PHARMACEUTICALS **Volume:** 16 **Issue:** 7 **Article Number:** 1008 **DOI:** 10.3390/ph16071008 **Published:** JUL 2023

Record 237 of 1000

Title: Study of Formulation and Process Variables for Optimization of Piroxicam Nanosuspension Using 3² Factorial Design to Improve Solubility and In Vitro Bioavailability

Author(s): Alhamhoom, Y (Alhamhoom, Yahya); Honmane, SM (Honmane, Sandip. M. M.); Hani, U (Hani, Umme); Osmani, RAM (Osmani, Riyaz Ali M.); Kandasamy, G (Kandasamy, Geetha); Vasudevan, R (Vasudevan, Rajalakshimi); Paramshetti, S (Paramshetti, Sharanya); Dudhal, RR (Dudhal, Ravindra. R.); Kengar, NK (Kengar, Namrata. K.); Charde, MS (Charde, Manoj. S. S.)

Source: POLYMERS **Volume:** 15 **Issue:** 3 **Article Number:** 483 **DOI:** 10.3390/polym15030483 **Published:** FEB 2023

Record 238 of 1000

Title: Numerical investigation of non-transient comparative heat transport mechanism in ternary nanofluid under various physical constraints

Author(s): Adnan (Adnan, Waseem); Abbas, W (Abbas, Waseem); Eldin, SM (Eldin, Sayed M.); Bani-Fwaz, MZ (Bani-Fwaz, Mutasem Z.)

Source: AIMS MATHEMATICS **Volume:** 8 **Issue:** 7 **Pages:** 15932-15949 **DOI:** 10.3934/math.2023813 **Published:** 2023

Record 239 of 1000

Title: Innovations in self-powered nano-photonics of emerging and flexible two-dimensional materials

Author(s): Abubakr, M (Abubakr, Muhammad); Elahi, E (Elahi, Ehsan); Rehman, S (Rehman, Shania); Dahshan, A (Dahshan, A.); Khan, MA (Khan, Muhammad Asghar); Rabeel, M (Rabeel, Muhammad); Abbas, Z (Abbas, Zeesham); Maqsood, MF (Maqsood, Muhammad Faheem); Rehman, MA (Rehman, Malik Abdul); Eom, J (Eom, Jonghwa); Kim, S (Kim, Sungho); Kim, DK (Kim, Deok-kee); Khan, MF (Khan, Muhammad Farooq)

Source: MATERIALS TODAY PHYSICS **Volume:** 39 **Article Number:** 101285 **DOI:** 10.1016/j.mtphys.2023.101285 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 240 of 1000

Title: Engineering energy storage properties of rGO based Fe₂O₃/CuO/PANI quaternary nanohybrid as an ideal electroactive material for hybrid supercapacitor application

Author(s): Abdullah, T (Abdullah, Tahreem); Shamsah, SI (Shamsah, Sami Ibn); Shaaban, IA (Shaaban, Ibrahim A.); Akhtar, M (Akhtar, Mehwish); Yousaf, S (Yousaf, Sheraz)

Source: SYNTHETIC METALS **Volume:** 299 **Article Number:** 117472 **DOI:** 10.1016/j.synthmet.2023.117472 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 241 of 1000

Title: Nanosuspension of Foeniculum Vulgare Promotes Accelerated Sensory and Motor Function Recovery after Sciatic Nerve Injury

Author(s): Bajaber, MA (Bajaber, Majed A.); Hussain, G (Hussain, Ghulam); Farooq, T (Farooq, Tahir); Noreen, R (Noreen, Razia); Ibrahim, M (Ibrahim, Muhammad); Umbreen, H (Umbreen, Huma); Batool, S (Batool, Shaheera); Rehman, K (Rehman, Kanwal); Hameed, A (Hameed, Arruje); Farid, MF (Farid, Muhammad Fayyaz); Khalid, T (Khalid, Tanzeela)

Source: METABOLITES **Volume:** 13 **Issue:** 3 **Article Number:** 391 **DOI:** 10.3390/metabo13030391 **Published:** MAR 2023

Record 242 of 1000

Title: Solvothermally designed Pr-MOF/Fe₂O₃ based nanocomposites for efficient electrocatalytic water splitting

Author(s): Shabbir, B (Shabbir, Bushra); Jabbour, K (Jabbour, Karam); Manzoor, S (Manzoor, Sumaira); Ashiq, MF (Ashiq, Muhammad Faheem); Fawy, KF (Fawy, Khaled Fahmi); Ashiq, MN (Ashiq, Muhammad Naem)

Source: HELIYON **Volume:** 9 **Issue:** 10 **Article Number:** e20261 **DOI:** 10.1016/j.heliyon.2023.e20261 **Early Access Date:** OCT 2023 **Published:** OCT 2023

Record 243 of 1000

Title: High-efficiency electrocatalytic nitrite reduction toward ammonia synthesis on CoP@TiO₂ nanoribbon array

Author(s): He, X (He, Xun); Li, ZX (Li, Zixiao); Yao, J (Yao, Jie); Dong, K (Dong, Kai); Li, XH (Li, Xiuhong); Hu, L (Hu, Long); Sun, SJ (Sun, Shengjun); Cai, ZW (Cai, Zhengwei); Zheng, DD (Zheng, Dongdong); Luo, YS (Luo, Yongsong); Ying, BW (Ying, Binwu); Hamdy, MS (Hamdy, Mohamed S.); Xie, LS (Xie, Lisi); Liu, Q (Liu, Qian); Sun, XP (Sun, Xuping)

Source: ISCIENCE **Volume:** 26 **Issue:** 7 **Article Number:** 107100 **DOI:** 10.1016/j.isci.2023.107100 **Early Access Date:** JUN 2023 **Published:** JUL 21 2023

Record 244 of 1000

Title: Schiff bases derived from phloroglucinol carbonyl variants and their applications-A review

Author(s): Bashir, M (Bashir, Maryam); Saifullah, M (Saifullah, Maryam); Riaz, M (Riaz, Mubeshar); Arshad, M (Arshad, Muhammad); Irfan, A (Irfan, Ahmad); Iqbal, S (Iqbal, Sadia); Farooqi, ZH (Farooqi, Zahoor H.); Begum, R (Begum, Robina)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 152 **Article Number:** 110690 **DOI:** 10.1016/j.inoche.2023.110690 **Early Access Date:** APR 2023 **Published:** JUN 2023

Record 245 of 1000

Title: Structural, electronic, optical, magnetic and thermodynamics properties of novel half-Heusler alloys XNiSb (X = Er, Ho, Yb): first-principles calculations

Author(s): Abbas, Z (Abbas, Zeesham); Fatima, K (Fatima, Kisa); Butt, K (Butt, Komal); Butt, F (Butt, Fabeya); Hussain, S (Hussain, Sajjad); Muhammad, S (Muhammad, Shabbir)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 12 **Article Number:** 1070 **DOI:** 10.1007/s11082-023-05381-9 **Published:** NOV 2023

Record 246 of 1000

Title: Recent advances in the chemistry of selenophenopyridine heterocycles: Synthesis, reactivity and biological activity

Author(s): Gouda, MA (Gouda, Moustafa A.); Salem, MA (Salem, Mohamed A.)

Record 247 of 1000

Title: Synthesis of Gadolinium Doped ZnO Nanomaterials Using the Modified-Solvothermal Method and Studied the Effect of Gadolinium on the Structural, Morphological, and Optical Properties

Author(s): Kalam, A (Kalam, Abul); Al-Sehemi, AG (Al-Sehemi, Abdullah Godran); Ashrafuzzaman, M (Ashrafuzzaman, Md.); Allami, SAS (Allami, Shuhrah Ali S.); Sharif, AM (Sharif, Abdul Mohshen); Yadav, P (Yadav, Pankaj); Assiri, MA (Assiri, Mohammad Ali); Du, GH (Du, Gaohui)

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **Volume:** 33 **Issue:** 10 **Pages:** 3076-3086 **DOI:** 10.1007/s10904-023-02745-2 **Early Access Date:** JUN 2023 **Published:** OCT 2023

Record 248 of 1000

Title: Photocatalytic Degradation of Methyl Orange and Methylene Blue Dyes by Engineering the Surface Nano-Textures of TiO₂ Thin Films Deposited at Different Temperatures via MOCVD

Author(s): Khalifa, ZS (Khalifa, Zaki S.); Shaban, M (Shaban, Mohamed); Ahmed, IA (Ahmed, Inas A.)

Source: MOLECULES **Volume:** 28 **Issue:** 3 **Article Number:** 1160 **DOI:** 10.3390/molecules28031160 **Published:** FEB 2023

Record 249 of 1000

Title: Exploration of key electronic and optical nonlinearity properties of synthesized salicylaldehyde based compounds via quantum chemical approach

Author(s): Jawaria, R (Jawaria, Rifat); Fareed, F (Fareed, Farwa); Shafiq, I (Shafiq, Iqra); Hani, U (Hani, Umme); Khalid, N (Khalid, Noreen); Imran, M (Imran, Muhammad); Raza, N (Raza, Nadeem)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 13 **Article Number:** 1175 **DOI:** 10.1007/s11082-023-05494-1 **Published:** DEC 2023

Record 250 of 1000

Title: Investigation on the microstructural, optical, electrical, and photocatalytic properties of WO₃ nanoparticles: an effect of Ce doping concentrations

Author(s): Mohanraj, M (Mohanraj, M.); Ashraf, IM (Ashraf, I. M.); Shkir, M (Shkir, Mohd.); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 28 **Article Number:** 1961 **DOI:** 10.1007/s10854-023-11386-7 **Published:** OCT 2023

Record 251 of 1000

Title: A comparative analysis on the spectroscopic qualities of modifiers and Sm³⁺ ions integrated bismuth boro-tellurite glasses for visible orange appliances

Author(s): Teresa, PE (Teresa, P. Evangelin); Naseer, KA (Naseer, K. A.); Padhi, RK (Padhi, Ranjib Kumar); El Shiekh, E (El Shiekh, E.); Marimuthu, K (Marimuthu, K.)

Source: OPTICAL MATERIALS **Volume:** 143 **Article Number:** 114272 **DOI:** 10.1016/j.optmat.2023.114272 **Early Access Date:** AUG 2023 **Published:** SEP 2023

Record 252 of 1000

Title: Microwave co-pyrolysis of kitchen food waste and rice straw: Effects of susceptor on thermal, surface, and fuel properties of biochar

Author(s): Hassan, AU (Hassan, Abrar U.); Sumrra, SH (Sumrra, Sajjad H.); Mustafa, G (Mustafa, Ghulam); Noreen, S (Noreen, Sadaf); Ali, A (Ali, Asad); Sara, S (Sara, Syeda); Imran, M (Imran, Muhammad)

Source: JOURNAL OF MOLECULAR GRAPHICS & MODELLING **Volume:** 124 **Article Number:** 108538 **DOI:** 10.1016/j.jmgm.2023.108538 **Early Access Date:** JUN 2023 **Published:** NOV 2023

Record 253 of 1000

Title: An ultrasensitive carbamate pesticide detection sensor based on metal molybdate encapsulated with boron doped reduced graphene oxide nanocomposite

Author(s): Alagarsamy, S (Alagarsamy, Saranvignesh); Sundaresan, R (Sundaresan, Ruspika); Chen, SM (Chen, Shen-Ming); Rasu, R (Rasu, Ramachandran); Mohammed, MA (Mohammed, Mujahid Alam)

Source: COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS **Volume:** 673 **Article Number:** 131830 **DOI:** 10.1016/j.colsurfa.2023.131830 **Early Access Date:** JUN 2023 **Published:** SEP 20 2023

Record 254 of 1000

Title: Rational design of ZnO-CuO-Au S-scheme heterojunctions for photocatalytic hydrogen production under visible light

Author(s): Ahmad, I (Ahmad, Irshad); Shukrullah, S (Shukrullah, Shazia); Naz, MY (Naz, Muhammad Yasin); Bhatti, HN (Bhatti, Haq Nawaz); Khalid, NR (Khalid, N. R.); Ullah, S (Ullah, Sami)

Source: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY **Volume:** 48 **Issue:** 34 **Pages:** 12683-12698 **DOI:** 10.1016/j.ijhydene.2022.11.289 **Early Access Date:** MAR 2023 **Published:** APR 22 2023

Record 255 of 1000

Title: Iron and vanadium co-doped Ni₃S₂ flower like nanosheets as an efficient electrocatalysts for water splitting

Author(s): Krishnamurthy, P (Krishnamurthy, P.); Kumar, A (Kumar, Anuj); Alqarni, SA (Alqarni, Sondos Abdullah); Silambarasan, S (Silambarasan, S.); Maiyalagan, T (Maiyalagan, T.)

Source: SURFACES AND INTERFACES **Volume:** 44 **Article Number:** 103694 **DOI:** 10.1016/j.surfin.2023.103694 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 256 of 1000

Title: Study of the Crystal Architecture, Optoelectronic Characteristics, and Nonlinear Optical Properties of 4-Amino Antipyrine Schiff Bases

Author(s): Arumugam, A (Arumugam, Amsaveni); Shanmugam, R (Shanmugam, Ramesh); Munusamy, S (Munusamy, Saravanabhavan); Muhammad, S (Muhammad, Shabbir); Algarni, H (Algarni, Hamed); Sekar, M (Sekar, Marimuthu)

Source: ACS OMEGA **Volume:** 8 **Issue:** 17 **Pages:** 15168-15180 **DOI:** 10.1021/acsomega.2c08305 **Early Access Date:** APR 2023 **Published:** MAY 2 2023

Record 257 of 1000

Title: Reviewing black phosphorus for biomedical and optoelectronic applications

Author(s): Nowsherwan, GA (Nowsherwan, Ghazi Aman); Khan, M (Khan, Mohsin); Iqbal, MA (Iqbal, Muhammad Aamir); Nowsherwan, N (Nowsherwan, Nouman); Ahmad, M (Ahmad, Muhammad); Haider, S (Haider, Sabah); Ali, T (Ali, Tayyab); Morsy, K (Morsy, Kareem); Hussain, SS (Hussain, Syed Sajjad)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 160 **Article Number:** 111912 **DOI:** 10.1016/j.inoche.2023.111912 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 258 of 1000

Title: OPTICAL AND COLORIMETRIC SENSING OF TOXIC MERCURY ION USING GREEN SYNTHESIZED SILVER NANOPARTICLES

Author(s): Kalam, A (Kalam, A.); Al-Sehemi, AG (Al-Sehemi, A. G.); Ashrafuzzaman, M (Ashrafuzzaman, Md.); Sharif, AM (Sharif, A. M.); Yadav, P (Yadav, P.); Du, G (Du, G.)

Source: BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA **Volume:** 37 **Issue:** 5 **Pages:** 1287-1298 **DOI:** 10.4314/bcse.v37i5.19 **Published:** 2023

Record 259 of 1000

Title: Correlating the charge density and structural fabrication of new organic dyes to create visible light harvesting materials with tunable NLO refining: insights from DFT

Author(s): Hassan, AU (Hassan, Abrar. U. U.); Sumrra, SH (Sumrra, Sajjad. H. H.); Zubair, M (Zubair, Muhammad); Mustafa, G (Mustafa, Ghulam); Noreen, S (Noreen, Sadaf); Imran, M (Imran, Muhammad)

Source: CHEMICAL PAPERS **Volume:** 77 **Issue:** 10 **Pages:** 6183-6202 **DOI:** 10.1007/s11696-023-02931-z **Early Access Date:** JUN 2023 **Published:** OCT 2023

Record 260 of 1000

Title: Biosynthesis and characterization of NiFe₂O₄-NPs for electrochemical detection of ceftriaxone from biological and pharmaceutical samples

Author(s): Akhtar, K (Akhtar, Khalil); Baig, JA (Baig, Jameel Ahmed); Solangi, SA (Solangi, Shakoor Ahmed); Hussain, S (Hussain, Sajjad); Ali, HE (Ali, H. Elhosiny); Perveen, S (Perveen, Saima); Kazi, TG (Kazi, Tasneem Gul); Afridi, HI (Afridi, Hassan Imran)

Source: MICROCHEMICAL JOURNAL **Volume:** 191 **Article Number:** 108808 **DOI:** 10.1016/j.microc.2023.108808 **Early Access Date:** MAY 2023 **Published:** AUG 2023

Record 261 of 1000

Title: Evaluation of structural, optical and morphological properties of La doped TiO₂ nanoparticles

Author(s): Anilkumar, P (Anilkumar, P.); Kalaivani, T (Kalaivani, T.); Deepak, S (Deepak, S.); Jasmin, J (Jasmin, J.); El-Rehim, AFA (El-Rehim, A. F. Abd); Kumar, ER (Kumar, E. Ranjith)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 11 **Pages:** 16991-16998 **DOI:** 10.1016/j.ceramint.2023.02.061 **Early Access Date:** APR 2023 **Published:** JUN 1 2023

Record 262 of 1000

Title: RETRACTED: 5-Fluorouracil-Loaded PLGA Nanoparticles: Formulation, Physicochemical Characterisation, and *In Vitro* Anti-Cancer Activity (Retracted Article)

Author(s): Gahtani, RM (Gahtani, Reem M.); Alqahtani, A (Alqahtani, Ali); Alqahtani, T (Alqahtani, Taha); Asiri, SA (Asiri, Saeed Ahmed); Mohamed, JMM (Mohamed, Jamal Moideen Muthu); Prabhu, SV (Prabhu, S. Venkatesa); Muluneh, EY (Muluneh, Endalew Yaze)

Source: BIOINORGANIC CHEMISTRY AND APPLICATIONS **Volume:** 2023 **Article Number:** 2334675 **DOI:** 10.1155/2023/2334675 **Published:** APR 17 2023

Record 263 of 1000

Title: Potential of Lipid-Based Nanocarriers against Two Major Barriers to Drug Delivery-Skin and Blood-Brain Barrier

Author(s): Khan, MS (Khan, Mohammad Sameer); Mohapatra, S (Mohapatra, Sradhanjali); Gupta, V (Gupta, Vaibhav); Ali, A (Ali, Ahsan); Naseef, PP (Naseef, Punnoth Poonkuzhi); Kurunian, MS (Kurunian, Mohamed Saheer); Alshadidi, AAF (Alshadidi, Abdulkhalik Ali F.); Alam, MS (Alam, Md Shamsheer); Mirza, MA (Mirza, Mohd. Aamir); Iqbal, Z (Iqbal, Zeenat)

Source: MEMBRANES **Volume:** 13 **Issue:** 3 **Article Number:** 343 **DOI:** 10.3390/membranes13030343 **Published:** MAR 2023

Record 264 of 1000

Title: Chemically Activated Carbon Based on Biomass for Adsorption of Fe(III) and Mn(II) Ions from Aqueous Solution

Author(s): Elewa, AM (Elewa, Amal M. M.); Amer, AA (Amer, Ahmed A. A.); Attallah, MF (Attallah, Mohamed F. F.); Gad, HA (Gad, Hamdy A. A.); Al-Ahmed, ZAM (Al-Ahmed, Zehbah Ali Mohamed); Ahmed, IA (Ahmed, Inas A. A.)

Source: MATERIALS **Volume:** 16 **Issue:** 3 **Article Number:** 1251 **DOI:** 10.3390/ma16031251 **Published:** FEB 2023

Record 265 of 1000

Title: Ultrasonic-Assisted Regioselective Reactions and Quantum Chemical Study of Pyrimidin-2-Thione Carrying Pyrazole Moiety as Algaecides for Refining Wastewater

Author(s): Alhalafi, MH (Alhalafi, Mona H.); Rizk, SA (Rizk, Sameh A.); Alzahrani, AYA (Alzahrani, Abdullah Y. A.); Algohary, AM (Algohary, Ayman M.)

Source: INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY **Volume:** 33 **Issue:** 1 **Pages:** 13-21 **Published:** JAN-MAR 2023

Record 266 of 1000

Title: Investigating the impact of end-capped acceptor alterations to dimethyl fluorene-based hole transporting material for perovskite solar cells

Author(s): Sharafat, R (Sharafat, Raheela); Basharat, A (Basharat, Arslan); Salma, U (Salma, Ume); Iqbal, J (Iqbal, Javed); Khera, RA (Khera, Rasheed Ahmad); Shaaban, IA (Shaaban, Ibrahim A.); Assiri, MA (Assiri, Mohammed A.); Abu El Maati, L (Abu El Maati, Lamia)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 186 **Article Number:** 111798 **DOI:** 10.1016/j.jpcs.2023.111798 **Early Access Date:** DEC 2023 **Published:** MAR 2024

Record 267 of 1000

Title: Exploring the porous organic frameworks with carbonaceous materials for superior electrochemical performance of hybrid supercapacitors

Author(s): Ahmed, A (Ahmed, Anique); Iqbal, MZ (Iqbal, Muhammad Zahir); Dahshan, A (Dahshan, Alaa); Khan, J (Khan, Junaid); Hegazy, HH (Hegazy, Hosameldin Helmy)

Source: JOURNAL OF ELECTROANALYTICAL CHEMISTRY **Volume:** 950 **Article Number:** 117869 **DOI:** 10.1016/j.jelechem.2023.117869 **Early Access Date:** NOV 2023 **Published:** DEC 1 2023

Record 268 of 1000

Title: Enhancing the properties of ZnO nanorods by Ni doping via the hydrothermal method for photosensor applications

Author(s): Anujency, M (Anujency, M.); Ibrahim, MM (Ibrahim, M. Mohamed); Vinoth, S (Vinoth, S.); Ganesh, V (Ganesh, V.); Ade, R (Ade, Ramesh)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 449 **Article Number:** 115379 **DOI:** 10.1016/j.jphotochem.2023.115379 **Early Access Date:** DEC 2023 **Published:** APR 1 2024

Record 269 of 1000

Title: Uncovering diverse soliton solutions in the modified Schrödinger's equation via innovative approaches

Author(s): Zhu, C (Zhu, C.); Al-Dossari, M (Al-Dossari, M.); El-Gawaad, NSA (El-Gawaad, N. S. A.); Alsallami, SAM (Alsallami, S. A. M.); Shateyi, S (Shateyi, S.)

Source: RESULTS IN PHYSICS **Volume:** 54 **Article Number:** 107100 **DOI:** 10.1016/j.rinp.2023.107100 **Early Access Date:** OCT 2023 **Published:** NOV 2023

Record 270 of 1000

Title: Development and Characterization of Gel-Based Buccoadhesive Bilayer Formulation of Nifedipine

Author(s): Alagusundaram, M (Alagusundaram, M.); Jain, NK (Jain, Nem Kumar); Begum, MY (Begum, M. Yasmin); Parameswari, SA (Parameswari, S. Angala); Nelson, VK (Nelson, Vinod Kumar); Bayan, MF (Bayan, Mohammad F.); Chandrasekaran, B (Chandrasekaran, Balakumar)

Source: GELS **Volume:** 9 **Issue:** 9 **Article Number:** 688 **DOI:** 10.3390/gels9090688 **Published:** SEP 2023

Record 271 of 1000

Title: DFT-based systematic study on the structural, optoelectronic, thermodynamic, vibrational, and mechanical behavior of Ruddlesden Popper perovskites $\text{Sr}_{2-x}\text{XO}_4$ ($\text{X} = \text{Zr, Hf}$) for optoelectronic applications

Author(s): Khalil, RMA (Khalil, R. M. Arif); Hussain, MI (Hussain, Muhammad Iqbal); Karim, B (Karim, Bushra); Albalawi, H (Albalawi, Hind); Hussein, KI (Hussein, Khaile I.); Hussain, F (Hussain, Fayyaz)

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY **Volume:** 123 **Issue:** 22 **Article Number:** e27216 **DOI:** 10.1002/qua.27216 **Early Access Date:** AUG 2023 **Published:** SEP 15 2023

Record 272 of 1000

Title: Impact of Co-doping on the microstructural and electrochemical features of mesoporous 3D oval-shaped $\text{Ni}_{3-x}\text{Co}_x\text{V}_2\text{O}_8$ electrodes for high-performance hybrid supercapacitors

Author(s): Merum, D (Merum, Dhananjaya); Parvin, N (Parvin, Nargish); Vattikuti, SVP (Vattikuti, Surya Veerendra Prabhakar); Nallapureddy, RR (Nallapureddy, Ramesh Reddy); Pitcheri, R (Pitcheri, Rosaiah); Shkir, M (Shkir, Mohd.); Manthrammel, MA (Manthrammel, M. Aslam); Banerjee, AN (Banerjee, Arghya Narayan); Joo, SW (Joo, Sang Woo)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 61 **Article Number:** 106674 **DOI:** 10.1016/j.est.2023.106674 **Early Access Date:** JAN 2023 **Published:** MAY 2023

Record 273 of 1000

Title: Thermal, mechanical, and photocatalytic dye degradation performances of the functionalized GO and TiO_2 decorated carbon foam composites

Author(s): Aslam, MA (Aslam, Muhammad Azeem); Zhang, LF (Zhang, Lefang); Liu, X (Liu, Xin); Xu, YM (Xu, Yimei); Li, N (Li, Na); Zhang, P (Zhang, Ping); Ragab, AH (Ragab, Ahmed H.); Deifalla, A (Deifalla, Ahmed); Khan, M (Khan, Muhammad)

Source: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T **Volume:** 26 **Pages:** 2830-2846 **DOI:** 10.1016/j.jmrt.2023.08.065 **Early Access Date:** AUG 2023 **Published:** SEP-OCT 2023

Record 274 of 1000

Title: Nano (metal oxide)-based catalytic membranes for refining of petroleum lubricating oil feedstock

Author(s): Ali, DGM (Ali, Doaa G. M.); El Naggar, AMA (El Naggar, Ahmed M. A.); Eshaq, G (Eshaq, Gh); El-Shamy, EA (El-Shamy, Ebaa A.); Khalil, NM (Khalil, Nagla M.); El-Zahhar, AA (El-Zahhar, Adel A.); Sadeek, SA (Sadeek, Sadek A.)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 307 **Article Number:** 128132 **DOI:** 10.1016/j.matchemphys.2023.128132 **Early Access Date:** JUN 2023 **Published:** OCT 1 2023

Record 275 of 1000

Title: Study of Hyoscine solubility in scCO₂: Experimental measurement and thermodynamic modeling

Author(s): Hani, U (Hani, Umme); Alosaimi, HE (Alosaimi, Hani E.); Huwaimel, B (Huwaimel, Bader); Alharby, TN (Alharby, Tareq Nafea); Alanazi, J (Alanazi, Jowaher); Alanazi, M (Alanazi, Muteb)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 381 **Article Number:** 121821 **DOI:** 10.1016/j.molliq.2023.121821 **Early Access Date:** APR 2023 **Published:** JUL 1 2023

Record 276 of 1000

Title: Fabrication of silver nanoparticles within chitosan based microgels for catalysis

Author(s): Ahmad, A (Ahmad, Azhar); Roy, PG (Roy, Prashun Ghosh); Zhou, SQ (Zhou, Shuiqin); Irfan, A (Irfan, Ahmad); Kanwal, F (Kanwal, Farah); Begum, R (Begum, Robina); Farooqi, ZH (Farooqi, Zahoor H.)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 240 **Article Number:** 124401 **DOI:** 10.1016/j.ijbiomac.2023.124401 **Early Access Date:** APR 2023 **Published:** JUN 15 2023

Record 277 of 1000

Title: Investigation on polyvinyl alcohol and sodium alginate blend matrix with ammonium nitrate conducting electrolytes for electrochemical applications

Author(s): Jansi, R (Jansi, R.); Vinay, B (Vinay, Boligarla); Revathy, MS (Revathy, M. S.); Sasikumar, P (Sasikumar, P.); Abbas, M (Abbas, Mohamed)

Source: JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 27 **Issue:** 6 **Article Number:** 101743 **DOI:** 10.1016/j.jscs.2023.101743 **Early Access Date:** OCT 2023 **Published:** NOV 2023

Record 278 of 1000

Title: Exploring the progression of energy storage toward flexibility: Metal-organic framework and conducting polymer aspects

Author(s): Khan, J (Khan, Junaid); Khan, A (Khan, Ayesha); Rubab, B (Rubab, Bibi); Jamshaid, F (Jamshaid, Fatima); Al-Kahtani, AA (Al-Kahtani, Abdullah A.); Dahshan, A (Dahshan, A.)

Source: APPLIED MATERIALS TODAY **Volume:** 34 **Article Number:** 101906 **DOI:** 10.1016/j.apmt.2023.101906 **Early Access Date:** SEP 2023 **Published:** OCT 2023

Record 279 of 1000

Title: Modification of electron transport layer by implantation of Ni²⁺ ions for achieving high efficiency in dye-sensitized solar cells

Author(s): Irfan, M (Irfan, Muhammad); Khan, MI (Khan, M. I.); Ikram-ul-haq (Ikram-ul-haq); Amami, M (Amami, Mongi); Nazir, Y (Nazir, Yasir); Habib, A (Habib, Aqsa); Choi, JR (Choi, Jeong Ryeol)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 155 **Article Number:** 111077 **DOI:** 10.1016/j.inoche.2023.111077 **Early Access Date:** JUL 2023 **Published:** SEP 2023

Record 280 of 1000

Title: Enantioselective MW-US-assisted Synthesis, DFT Simulation and Molecular Docking of Spiro Pyrrolidine-2,3'-Thieno [2,3-d]Pyridazin-Hydrazide as Green Agricultural Product

Author(s): Rizk, SA (Rizk, Sameh A.); Alzahrani, AY (Alzahrani, Abdullah Y.); Abdo, AM (Abdo, Abdullah M.)

Source: POLYCYCLIC AROMATIC COMPOUNDS **DOI:** 10.1080/10406638.2023.2227316 **Early Access Date:** JUL 2023

Record 281 of 1000

Title: Impact of sintering temperature on the Al₂O₃ electrolyte

Author(s): Khokhar, WA (Khokhar, Waquar Ahmed); El Jery, A (El Jery, Atef); Ahmed, A (Ahmed, Adeel); Aldrery, M (Aldrery, Mouataz); Ahmed, D (Ahmed, Danish); Usman, M (Usman, Muhammad); Rafiq, M (Rafiq, Muhammad); Ullah, R (Ullah, Raza); Tufail, MK (Tufail, Muhammad Khurram)

Source: ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS **Volume:** 237 **Issue:** 7 **Pages:** 969-980 **DOI:** 10.1515/zpch-2023-0240 **Early Access Date:** MAY 2023 **Published:** JUL 26 2023

Record 282 of 1000

Title: Improving the current density and reducing the recombination rate of dye sensitized solar cells by modifying the band gap of Titania using Novel heterostructures

Author(s): Khan, MI (Khan, M. I.); Mumtaz, S (Mumtaz, Shazia); Mustafa, GM (Mustafa, Ghulam M.); Amami, M (Amami, Mongi); Shahzad, U (Shahzad, Urram); Al Abbad, E (Al Abbad, Eman)

Source: OPTICAL MATERIALS **Volume:** 140 **Article Number:** 113780 **DOI:** 10.1016/j.optmat.2023.113780 **Early Access Date:** MAY 2023 **Published:** JUN 2023

Record 283 of 1000

Title: Design and fabrication of BaSnO₃/RGO as efficient Pt-free counter electrode for dye-sensitized solar cells

Author(s): Ammasi, A (Ammasi, Arunkumar); Munusamy, AP (Munusamy, Anbarasan Ponnusamy); Shkir, M (Shkir, Mohd); Vellingiri, B (Vellingiri, Balasubramani); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 32 **Article Number:** 2168 **DOI:** 10.1007/s10854-023-11540-1 **Published:** NOV 2023

Record 284 of 1000

Title: Anxiolytic-like effect of succinic acid: A possible GABAergic intervention

Author(s): Mia, MN (Mia, Md. Nayem); Smrity, SZ (Smrity, Shanita Zaman); Bappi, MH (Bappi, Mehedi Hasan); Kamli, H (Kamli, Hossam); Islam, T (Islam, Tawhida); Prottay, AA (Prottay, Abdullah Al Shamsh); Akbor, MS (Akbor, Md Showkoth); Latif, MA (Latif, Md Abdul); Islam, S (Islam, Shoriful); Bhakta, K (Bhakta, Kushal); Shill, MC (Shill, Manik Chandra); de Sousa, FCP (de Sousa, Francisco Claudeni Pereira); de Luna, G (de Luna, Gilberto); Coutinho, HDM (Coutinho, Henrique Douglas Melo); Islam, MT (Islam, Muhammad Torequl)

Source: FOOD BIOSCIENCE **Volume:** 55 **Article Number:** 103044 **DOI:** 10.1016/j.fbio.2023.103044 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 285 of 1000

Title: Simple One-Pot Synthesis of Novel 5-(3,5-Dialkyl-1*H*-pyrazol-1-yl)-2-ethoxy-1,4,2λ⁵-diazaphosphole 2-Oxides

Author(s): Assiri, MA (Assiri, M. A.); Ali, TE (Ali, T. E.); Alzahrani, AY (Alzahrani, A. Y.); Salem, MA (Salem, M. A.)

Source: RUSSIAN JOURNAL OF ORGANIC CHEMISTRY **Volume:** 59 **Issue:** 2 **Pages:** 285-289 **DOI:** 10.1134/S1070428023020094 **Published:** FEB 2023

Record 286 of 1000

Title: Synergistic Antihyperglycemic and Antihyperlipidemic Effect of Polyherbal and Allopolyherbal Formulation

Author(s): Alhamhoom, Y (Alhamhoom, Yahya); Ahmed, SS (Ahmed, Syed Sagheer); Kumar, MR (Kumar, M. Rupesh); Salahuddin, M (Salahuddin, MD.); Bharathi, DR (Bharathi, D. R.); Ahmed, MM (Ahmed, Mohammed Muqtader); Farhana, SA (Farhana, Syeda Ayesha); Rahamathulla, M (Rahamathulla, Mohamed)

Source: PHARMACEUTICALS **Volume:** 16 **Issue:** 10 **Article Number:** 1368 **DOI:** 10.3390/ph16101368 **Published:** OCT 2023

Record 287 of 1000

Title: An alternate synthesis of sporiolide B from (<i>R</i>)-glyceraldehyde

Author(s): Kokkiligadda, SB (Kokkiligadda, Suresh Babu); Musunuri, S (Musunuri, Sivanadh); Syed, T (Syed, Tasqeeruddin); Maiti, B (Maiti, Bhimcharan); Venkata, BRM (Venkata, Basaveswara Rao Mandava)

Source: SYNTHETIC COMMUNICATIONS **Volume:** 53 **Issue:** 16 **Pages:** 1333-1338 **DOI:** 10.1080/00397911.2023.2220443 **Early Access Date:** JUN 2023 **Published:** AUG 18 2023

Record 288 of 1000

Title: Deeper insights into the density functional theory of structural, optical, and photoelectrical properties using 5-[(4-oxo-4*H*-chromen-3-yl) methylidene]-4-oxo (thioxo)-6-thioxo-2-sulfido-1, 3, 2-diazaphosphinanes

Author(s): Halim, SA (Halim, Shima Abdel); Hamad, H (Hamad, Hesham); Ali, TE (Ali, Tarik E.)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 5 **Article Number:** 458 **DOI:** 10.1007/s11082-023-04661-8 **Published:** MAY 2023

Record 289 of 1000

Title: Biologically Synthesized Silver Nanoparticles Efficiently Control Plant Pathogenic Bacteria-*Erwinia carotovora* and *Ralstonia solanacearum*

Author(s): Bibi, Z (Bibi, Zainab); Ali, M (Ali, Mohammad); Abohashrh, M (Abohashrh, Mohammed); Ahmad, I (Ahmad, Imtiaz); Khan, H (Khan, Haji); Ali, M (Ali, Murad); Akbar, F (Akbar, Fazal); Ahmad, N (Ahmad, Nisar); Iqbal, A (Iqbal, Arshad); Ullah, F (Ullah, Farman); Ullah, Z (Ullah, Zahid); Muhmood, T (Muhmood, Tahir)

Source: INORGANICS **Volume:** 11 **Issue:** 7 **Article Number:** 309 **DOI:** 10.3390/inorganics11070309 **Published:** JUL 2023

Record 290 of 1000

Title: Investigation of metal organic frameworks and their derivatives as electrode materials for hybrid energy storage devices

Author(s): Alam, S (Alam, Shahid); Urooj, A (Urooj, Amina); Rehman, S (Rehman, Sadaf); Iqbal, MZ (Iqbal, Muhammad Zahir); Hegazy, HH (Hegazy, Hosameldin Helmy)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 304 **Article Number:** 127877 **DOI:** 10.1016/j.matchemphys.2023.127877 **Early Access Date:** MAY 2023 **Published:** AUG 1 2023

Record 291 of 1000

Title: Microwave-ultrasonic assisted synthesis, and characterization of novel 3'-(amino, hydrazino and hydrazide)-6'-bromo-spiro(isobenzofuran-1,2'-quinazoline)-3,4'-dione derivatives as antimicrobial agents

Author(s): Alghary, AM (Alghary, Ayman M. M.); Hassan, AMA (Hassan, A. M. A.); Alzahrani, AY (Alzahrani, Abdullah Y. Y.); Rizk, SA (Rizk, Sameh A. A.)

Source: JOURNAL OF HETEROCYCLIC CHEMISTRY **Volume:** 60 **Issue:** 6 **Pages:** 1014-1026 **DOI:** 10.1002/jhet.4647 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 292 of 1000

Title: Design, Synthesis and Biological Evaluation of Aryl Benzimidazole-Pyridones as Cytotoxic Agents

Author(s): Sabita, G (Sabita, G.); Syed, T (Syed, Tasqeeruddin); Savitha, R (Savitha, R.); Divya, K (Divya, K.); Somaiah, N (Somaiah, Nalla); Bhaskar, K (Bhaskar, K.)

Source: SYNTHETIC COMMUNICATIONS **DOI:** 10.1080/00397911.2023.2292703 **Early Access Date:** DEC 2023

Record 293 of 1000

Title: Surface embellishment accelerates the oxygen evolution reaction and removal of organic pollutant using solvothermally designed Co₂O₃/ CuO nanocomposite

Author(s): Fawy, KF (Fawy, Khaled Fahmi); Jabbour, K (Jabbour, Karam); Ashiq, MF (Ashiq, Muhammad Faheem); Bano, N (Bano, Nigarish); Abid, AG (Abid, Abdul Ghafoor); Manzoor, S (Manzoor, Sumaira); Nisa, MU (Nisa, Mehar Un); Ibrahim, M (Ibrahim, Muhammad); Ashiq, MN (Ashiq, Muhammad Naeem)

Source: SURFACES AND INTERFACES **Volume:** 40 **Article Number:** 103019 **DOI:** 10.1016/j.surfin.2023.103019 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 294 of 1000

Title: Decorating Mg₁₂O₁₂ Nanocage with Late First-Row Transition Metals To Act as Single-Atom Catalysts for the Hydrogen Evolution Reaction

Author(s): Allangawi, A (Allangawi, Abdulrahman); Kosar, N (Kosar, Naveen); Ayub, K (Ayub, Khurshid); Gilani, MA (Gilani, Mazhar Amjad); Arfan, NHBZ (Arfan, Nur Hazimah Binti Zainal); Hamid, MHSA (Hamid, Malai Haniti Sheikh Abdul); Imran, M (Imran, Muhammad); Sheikh, NS (Sheikh, Nadeem S.); Mahmood, T (Mahmood, Tariq)

Source: ACS OMEGA **Volume:** 8 **Issue:** 41 **Pages:** 37820-37829 **DOI:** 10.1021/acsomega.3c01794 **Early Access Date:** OCT 2023 **Published:** OCT 8 2023

Record 295 of 1000

Title: Some of the organic ligand transition metal complexes can serve as potent α -glucosidase inhibitors: in-vitro, kinetics and in-silico studies

Author(s): Bukhari, SM (Bukhari, Syed Majid); Sarwar, R (Sarwar, Rizwana); Zaidi, A (Zaidi, Asma); Ali, M (Ali, Majid); Khan, FA (Khan, Farhan A.); Farooq, U (Farooq, Umar); Uddin, J (Uddin, Jalal); Ibrar, A (Ibrar, Aliya); Khan, A (Khan, Ajmal); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: INORGANIC AND NANO-METAL CHEMISTRY **DOI:** 10.1080/24701556.2023.2183219 **Early Access Date:** FEB 2023

Record 296 of 1000

Title: Application of Tea Waste/Alginate/Nanoparticles Iron Bio-nanocomposite Beads for Removal of Crude Oil

Author(s): El Fadl, FIA (El Fadl, Faten Ismail Abou); El-Toony, MM (El-Toony, M. M.); Maziad, NA (Maziad, Nabila Ahmed)

Source: JOURNAL OF POLYMERS AND THE ENVIRONMENT **Volume:** 32 **Issue:** 2 **Pages:** 780-790 **DOI:** 10.1007/s10924-023-02969-w **Early Access Date:** AUG 2023 **Published:** FEB 2024

Record 297 of 1000

Title: Neodymium-Doped Novel Barium Tungstate Nanospindles for the Enhanced Oxygen Evolution Reaction

Author(s): Swathi, S (Swathi, Srinivasan); Priyanga, M (Priyanga, Marimuthu); Rathinam, Y (Rathinam, Yuvakkumar); Ganesan, R (Ganesan, Ravi); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Velauthapillai, D (Velauthapillai, Dhayalan)

Source: ACS OMEGA **DOI:** 10.1021/acsomega.2c05156 **Early Access Date:** JAN 2023

Record 298 of 1000

Title: Treatment of gastric cancer by green mediated silver nanoparticles using *Pistacia atlantica* bark aqueous extract

Author(s): Dang, L (Dang, Ling); Yang, J (Yang, Jian); Negm, S (Negm, Sally); El-kott, AF (El-kott, Attalla F.); Shati, AA (Shati, Ali A.); Ghamry, HI (Ghamry, Heba I.); Karmakar, B (Karmakar, Bikash)

Source: OPEN CHEMISTRY **Volume:** 21 **Issue:** 1 **Article Number:** 20230157 **DOI:** 10.1515/chem-2023-0157 **Published:** NOV 22 2023

Record 299 of 1000

Title: Recent advances in the chemistry of selenophenoquinoline heterocycles: Synthesis, reactivity and biological activity

Author(s): Gouda, MA (Gouda, Moustafa A.); Alansari, RM (Alansari, Rayan M.); Salem, MA (Salem, Mohamed A.); Aljuhani, A (Aljuhani, Ateyatallah)

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY **Volume:** 1001 **Article Number:** 122872 **DOI:** 10.1016/j.jorganchem.2023.122872 **Early Access Date:** SEP 2023 **Published:** NOV 15 2023

Record 300 of 1000

Title: g-C₃N₄ nanomaterials as a novel coat for multifunctional bamboo and linen fabric

Author(s): Farouk, A (Farouk, A.); Sharaf, S (Sharaf, S.); Mohamed, HH (Mohamed, Hanan H.)

Source: CELLULOSE **Volume:** 30 **Issue:** 15 **Pages:** 9365-9377 **DOI:** 10.1007/s10570-023-05446-8 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 301 of 1000

Title: Bio-coal and bio-coke production from agro residues

Author(s): Ahmad, KA (Ahmad, Khwaja Alamgir); Ahmad, E (Ahmad, Ejaz); Al Mesfer, MK (Al Mesfer, Mohammed K.); Nigam, KDP (Nigam, K. D. P.)

Source: CHEMICAL ENGINEERING JOURNAL **Volume:** 473 **Article Number:** 145340 **DOI:** 10.1016/j.cej.2023.145340 **Early Access Date:** AUG 2023 **Published:** OCT 1 2023

Record 302 of 1000

Title: Virtual Screening for Identification of Dual Inhibitors against CDK4/6 and Aromatase Enzyme

Author(s): Adon, T (Adon, Tenzin); Shanmugarajan, D (Shanmugarajan, Dhivya); Ather, H (Ather, Hissana); Ansari, SMA (Ansari, Shaik Mohammad Asif); Hani, U (Hani, Umme); Madhunapantula, SV (Madhunapantula, SubbaRao V. V.); Honnavalli, YK (Honnnavalli, Yogish Kumar)

Source: MOLECULES **Volume:** 28 **Issue:** 6 **Article Number:** 2490 **DOI:** 10.3390/molecules28062490 **Published:** MAR 2023

Record 303 of 1000

Title: Vibrational study and effect of copper substitution on the electrical properties of the (C₂H₅NH₃)₂CdCl₄ hybrid compound

Author(s): Lefi, R (Lefi, Ramzi); Bouzidi, S (Bouzidi, Souhir); Ben Nasr, F (Ben Nasr, Ferid); Essid, M (Essid, Manel); Guerhazi, H (Guerhazi, Hajer)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 158 **Article Number:** 111374 **DOI:** 10.1016/j.inoche.2023.111374 **Early Access Date:** OCT 2023 **Part:** 1 **Published:** DEC 2023

Record 304 of 1000

Title: Fabrication and Characterization of a Poly(3,4-ethylenedioxythiophene)@Tungsten Trioxide-Graphene Oxide Hybrid Electrode Nanocomposite for Supercapacitor Applications

Author(s): Memou, CH (Memou, Cherifa Hakima); Bekhti, MA (Bekhti, Mohamed Amine); Kiari, M (Kiari, Mohamed); Benyoucef, A (Benyoucef, Abdelghani); Alelyani, M (Alelyani, Magbool); Alqahtani, MS (Alqahtani, Mohammed S.); Alshihri, AA (Alshihri, Abdulaziz A.); Bakkour, Y (Bakkour, Youssef)

Source: NANOMATERIALS **Volume:** 13 **Issue:** 19 **Article Number:** 2664 **DOI:** 10.3390/nano13192664 **Published:** OCT 2023

Record 305 of 1000

Title: Pentafuhalol-B, a Phlorotannin from Brown Algae, Strongly Inhibits the PLK-1 Overexpression in Cancer Cells as Revealed by Computational Analysis

Author(s): Ansari, WA (Ansari, Waseem Ahmad); Rab, SO (Rab, Safia Obaidur); Saquib, M (Saquib, Mohammad); Sarfraz, A (Sarfraz, Aqib); Hussain, MK (Hussain, Mohd Kamil); Akhtar, MS (Akhtar, Mohd Sayeed); Ahmad, I (Ahmad, Irfan); Khan, MF (Khan, Mohammad Faheem)

Source: MOLECULES **Volume:** 28 **Issue:** 15 **Article Number:** 5853 **DOI:** 10.3390/molecules28155853 **Published:** AUG 2023

Record 306 of 1000

Title: Simmons-Smith Cyclopropanation: A Multifaceted Synthetic Protocol toward the Synthesis of Natural Products and Drugs: A Review

Author(s): Munir, R (Munir, Ramsha); Zahoor, AF (Zahoor, Ameer Fawad); Javed, S (Javed, Sadia); Parveen, B (Parveen, Bushra); Mansha, A (Mansha, Asim); Irfan, A (Irfan, Ahmad); Khan, SG (Khan, Samreen Gul); Irfan, A (Irfan, Ali); Kotwica-Mojzzych, K (Kotwica-Mojzzych, Katarzyna); Mojzzych, M (Mojzzych, Mariusz)

Source: MOLECULES **Volume:** 28 **Issue:** 15 **Article Number:** 5651 **DOI:** 10.3390/molecules28155651 **Published:** AUG 2023

Record 307 of 1000

Title: Multi-stimuli responsive carbazole-imidazole derivatives: Effect of phenyl substitution and UV light-oxygen induced photochemical transformation

Author(s): Ravi, S (Ravi, Sasikala); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: JOURNAL OF LUMINESCENCE **Volume:** 263 **Article Number:** 120010 **DOI:** 10.1016/j.jlumin.2023.120010 **Early Access Date:** JUN 2023 **Published:** NOV 2023

Record 308 of 1000

Title: Absorption wavelength (TD-DFT) and adsorption of metal chalcogen clusters with methyl nicotinate: Structural, electronic, IRI, SERS, pharmacological and antiviral studies (HIV and omicron)

Author(s): Sravanthi, R (Sravanthi, R.); Mahalakshmi, S (Mahalakshmi, S.); Vetrivelan, V (Vetrivelan, V.); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: HELIYON **Volume:** 9 **Issue:** 5 **Article Number:** e16066 **DOI:** 10.1016/j.heliyon.2023.e16066 **Early Access Date:** MAY 2023 **Published:** MAY 2023

Record 309 of 1000

Title: Computational study and experimental validation on the solubility of drugs in supercritical solvent for assessment of nanomedicine production via green technology for enhanced drug bioavailability

Author(s): Hao, CX (Hao, Chenxiao); Li, YH (Li, Yahui); Zhang, LY (Zhang, Luoyu); Sheng, MQ (Sheng, Mengqi); Cui, YQ (Cui, Yunqian); Shati, ASA (Shati, Ahmed Salah Al-); Khalid, M (Khalid, Mohammad)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 382 **Article Number:** 121835 **DOI:** 10.1016/j.molliq.2023.121835 **Early Access Date:** APR 2023 **Published:** JUL 15 2023

Record 310 of 1000

Title: Impact of silver substitution on the structural, magnetic, optical, and antibacterial properties of cobalt ferrite

Author(s): Tahir, W (Tahir, Waqia); Zeeshan, T (Zeeshan, Talat); Waseem, S (Waseem, Salma); Ali, MD (Ali, Muhammad Danish); Kayani, Z (Kayani, Zohra); Aftab, ZEH (Aftab, Zill-e-Huma); Mehtab, SMT (Mehtab, Syed Muhammad Talha); Ezzine, S (Ezzine, Safa)

Record 311 of 1000

Title: A review on optimistic biorefinery products: Biofuel and bioproducts from algae biomass

Author(s): Wang, X (Wang, Xuan); Zhang, YL (Zhang, Yaoli); Xia, CL (Xia, Changlei); Alqahtani, A (Alqahtani, Ali); Sharma, A (Sharma, Ashutosh); Pugazhendhi, A (Pugazhendhi, Arivalagan)

Source: FUEL **Volume:** 338 **Article Number:** 127378 **DOI:** 10.1016/j.fuel.2022.127378 **Early Access Date:** JAN 2023 **Published:** APR 15 2023

Record 312 of 1000

Title: Formulation Development and In Vitro/In Vivo Characterization of Methotrexate-Loaded Nanoemulsion Gel Formulations for Enhanced Topical Delivery

Author(s): Latif, MS (Latif, Muhammad Shahid); Nawaz, A (Nawaz, Asif); Asmari, M (Asmari, Mufarreh); Uddin, J (Uddin, Jalal); Ullah, H (Ullah, Hidayat); Ahmad, S (Ahmad, Saeed)

Source: GELS **Volume:** 9 **Issue:** 1 **Article Number:** 3 **DOI:** 10.3390/gels9010003 **Published:** JAN 2023

Record 313 of 1000

Title: A strategy to boost the electrochemical properties of Ag-Fe₂O₃ with intercalation of MXene hydrogel

Author(s): Ihsan, A (Ihsan, Ayesha); Almutairi, ST (Almutairi, Safer Tale); Mahmoud, HMA (Mahmoud, HassabAlla M. A.); Warsi, MF (Warsi, Muhammad Farooq); Munir, S (Munir, Sana)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 23 **Pages:** 37650-37660 **DOI:** 10.1016/j.ceramint.2023.09.091 **Early Access Date:** OCT 2023 **Part:** A **Published:** DEC 1 2023

Record 314 of 1000

Title: Some progress in developing electrochemical sensors for detection of 2,4-dichlorophenoxyacetic acid based on modified carbon interfaces: a brief review

Author(s): Praveen, SK (Praveen, Sinchana Kudur); Jayaprakash, GK (Jayaprakash, Gururaj Kudur); Abbas, M (Abbas, Mohamed); Rikhari, B (Rikhari, Bhavana); Kalikeri, S (Kalikeri, Shankramma)

Source: JOURNAL OF ELECTROCHEMICAL SCIENCE AND ENGINEERING **Volume:** 13 **Issue:** 6 **Pages:** 923-936 **DOI:** 10.5599/jese.2028 **Early Access Date:** OCT 2023 **Published:** 2023

Record 315 of 1000

Title: A crucial review on the challenges and recent gas membrane development for biogas upgrading

Author(s): Fajrina, N (Fajrina, Nur); Yusof, N (Yusof, Norhaniza); Ismail, AF (Ismail, Ahmad Fauzi); Aziz, F (Aziz, Farhana); Bilad, MR (Bilad, Muhammad Roil); Alkahtani, M (Alkahtani, Meshel)

Source: JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING **Volume:** 11 **Issue:** 3 **Article Number:** 110235 **DOI:** 10.1016/j.jece.2023.110235 **Early Access Date:** JUN 2023 **Published:** JUN 2023

Record 316 of 1000

Title: Synthesis, Molecular Docking Study, and Biological Evaluation of New 4-(2,5-Dimethyl-1*H*-pyrrol-1-yl)-*N*-(2-(substituted)acetyl)benzohydrazides as Dual Enoyl ACP Reductase and DHFR Enzyme Inhibitors

Author(s): Mahnashi, MH (Mahnashi, Mater H.); Koganole, P (Koganole, Pooja); Kumar, SRP (Kumar, S. R. Prem); Ashgar, SS (Ashgar, Sami S.); Shaikh, IA (Shaikh, Ibrahim Ahmed); Joshi, SD (Joshi, Shrinivas D.); Alqahtani, AS (Alqahtani, Ali S.)

Source: ANTIBIOTICS-BASEL **Volume:** 12 **Issue:** 4 **Article Number:** 763 **DOI:** 10.3390/antibiotics12040763 **Published:** APR 2023

Record 317 of 1000

Title: Highly sensitive fluorescent probes for selective detection of hypochlorite: Applications in blood serum and cell imaging

Author(s): Assiri, MA (Assiri, Mohammed A.); Hussain, S (Hussain, Saddam); Junaid, HM (Junaid, Hafiz Muhammad); Waseem, MT (Waseem, Muhammad Tahir); Hamad, A (Hamad, Asad); Ajab, H (Ajab, Huma); Iqbal, J (Iqbal, Jamshed); Rauf, W (Rauf, Waqar); Shahzad, SA (Shahzad, Sohail Anjum)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 294 **Article Number:** 122537 **DOI:** 10.1016/j.saa.2023.122537 **Early Access Date:** FEB 2023 **Published:** JUN 5 2023

Record 318 of 1000

Title: Exploration of violet-to-blue thermally activated delayed fluorescence emitters based on "CH/N" and "H/CN" substitutions at diphenylsulphone acceptor. A DFT study

Author(s): Hussain, A (Hussain, Aftab); Irfan, A (Irfan, Ahmad); Kanwal, F (Kanwal, Farah); Afzal, M (Afzal, Muhammad); Chaudhry, AR (Chaudhry, Aijaz Rasool); Hussien, M (Hussien, Mohamed); Ali, MA (Ali, Muhammad Arif)

Source: FRONTIERS IN CHEMISTRY **Volume:** 11 **Article Number:** 1279355 **DOI:** 10.3389/fchem.2023.1279355 **Published:** NOV 9 2023

Record 319 of 1000

Title: On the high-temperature phase transition of a new chlorocadmate(II) complex incorporating symmetrical Cd₂Cl₆ clusters: structural, optical and electrical properties

Author(s): Elgahami, H (Elgahami, Hanen); Oueslati, A (Oueslati, Abderrazek); Nasr, S (Nasr, Samia); Costantino, F (Costantino, Ferdinando); Naili, H (Naili, Houcine)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 37 **Pages:** 26122-26133 **DOI:** 10.1039/d3ra04289h **Published:** AUG 29 2023

Record 320 of 1000

Title: Advances in ammonia electrosynthesis from ambient nitrate/nitrite reduction

Author(s): Liang, J (Liang, Jie); Li, ZX (Li, Zixiao); Zhang, LC (Zhang, Longcheng); He, X (He, Xun); Luo, YS (Luo, Yongsong); Zheng, DD (Zheng, Dongdong); Wang, Y (Wang, Yan); Li, TS (Li, Tingshuai); Yan, H (Yan, Hong); Ying, BW (Ying, Binwu); Sun, SJ (Sun, Shengjun); Liu, Q (Liu, Qian); Hamdy, MS (Hamdy, Mohamed S.); Tang, B (Tang, Bo); Sun, XP (Sun, Xuping)

Source: CHEM **Volume:** 9 **Issue:** 7 **Pages:** 1768-1827 **DOI:** 10.1016/j.chempr.2023.05.037 **Early Access Date:** JUL 2023 **Published:** JUL 13 2023

Record 321 of 1000

Title: Quantitative characterizations of mOR-EG activated by vanilla odorants using advanced statistical physics modeling

Author(s): Ben Khemis, I (Ben Khemis, Ismahene); Aouaini, F (Aouaini, Fatma); Bukhari, L (Bukhari, Lamies); Nasr, S (Nasr, Samia); Ben Lamine, A (Ben Lamine, Abdelmottaleb)

Source: FOOD CHEMISTRY **Volume:** 415 **Article Number:** 135782 **DOI:** 10.1016/j.foodchem.2023.135782 **Early Access Date:** MAR 2023 **Published:** JUL 30 2023

Record 322 of 1000

Title: Molecular Engineering of Anthracene Core-Based Hole-Transporting Materials for Organic and Perovskite Photovoltaics

Author(s): Shafiq, A (Shafiq, Aaida); Adnan, M (Adnan, Muhammad); Hussain, R (Hussain, Riaz); Irshad, Z (Irshad, Zobia); Farooq, U (Farooq, Umar); Muhammad, S (Muhammad, Shabbir)

Source: ACS OMEGA **Volume:** 8 **Issue:** 39 **Pages:** 35937-35955 **DOI:** 10.1021/acsomega.3c03790 **Early Access Date:** SEP 2023 **Published:** SEP 22 2023

Record 323 of 1000

Title: Anticancer Potential of the Plant-Derived Saponin Gracillin: A Comprehensive Review of Mechanistic Approaches

Author(s): Bhuia, S (Bhuia, Shimul); Chowdhury, R (Chowdhury, Raihan); Sonia, FA (Sonia, Fatema Akter); Kamli, H (Kamli, Hossam); Shaikh, A (Shaikh, Ahmad); El-Nashar, HAS (El-Nashar, Heba A. S.); El-Shazly, M (El-Shazly, Mohamed); Islam, MT (Islam, Muhammad Torequl)

Source: CHEMISTRY & BIODIVERSITY **Volume:** 20 **Issue:** 9 **Article Number:** e202300847 **DOI:** 10.1002/cbdv.202300847 **Published:** SEP 2023

Record 324 of 1000

Title: Current trends for wastewater treatment technologies with typical configurations of photocatalytic membrane reactor hybrid systems: A review

Author(s): Khader, EH (Khader, Eman H.); Mohammed, TJ (Mohammed, Thamer J.); Albayati, TM (Albayati, Talib M.); Harharah, HN (Harharah, Hamed N.); Amari, A (Amari, Abdelfattah); Saady, NMC (Saady, Noori M. Cata); Zendejboudi, S (Zendejboudi, Sohrab)

Source: CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION **Volume:** 192 **Article Number:** 109503 **DOI:** 10.1016/j.cep.2023.109503 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 325 of 1000

Title: Comprehensive investigation on physical, structural, mechanical and nuclear shielding features against X/gamma-rays, neutron, proton and alpha particles of various binary alloys

Author(s): Saleh, A (Saleh, Abdelmoneim); Almohiy, H (Almohiy, Hussain); Shalaby, RM (Shalaby, Rizk Mostafa); Saad, M (Saad, Mohamed)

Source: RADIATION PHYSICS AND CHEMISTRY **Volume:** 216 **Article Number:** 111443 **DOI:** 10.1016/j.radphyschem.2023.111443 **Early Access Date:** DEC 2023 **Published:** MAR 2024

Record 326 of 1000

Title: Exploration of nonlinear optical enhancement in acceptor- π -donor indacenodithiophene based derivatives via structural variations: a DFT approach

Author(s): Abid, S (Abid, Saba); Khalid, M (Khalid, Muhammad); Sagir, M (Sagir, Muhammad); Imran, M (Imran, Muhammad); Braga, AAC (Braga, Atualpa A. C.); Ojha, SC (Ojha, Suvash Chandra)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 40 **Pages:** 28076-28088 **DOI:** 10.1039/d3ra04858f **Published:** SEP 18 2023

Record 327 of 1000

Title: Emerging Developments in Separation Techniques and Analysis of Chiral Pharmaceuticals

Author(s): Al-Sulaimi, S (Al-Sulaimi, Sulaiman); Kushwah, R (Kushwah, Reveka); Alsibani, MA (Alsibani, Mohammed Abdullah); El Jery, A (El Jery, Atef); Aldrdery, M (Aldrery, Moutaz); Ashraf, GA (Ashraf, Ghulam Abbas)

Source: MOLECULES **Volume:** 28 **Issue:** 17 **Article Number:** 6175 **DOI:** 10.3390/molecules28176175 **Published:** SEP 2023

Record 328 of 1000

Title: Thermocatalytic partial oxidation of methane to syngas (H₂, CO) production using Ni/La₂O₃ modified biomass fly ash supported catalyst

Author(s): Ul Hasanat, A (Ul Hasanat, Amin); Khoja, AH (Khoja, Asif Hussain); Naeem, N (Naeem, Nida); Al-Anazi, A (Al-Anazi, Abdulaziz); Liaquat, R (Liaquat, Rabia); Khan, BA (Khan, Bilal Alam); Din, IU (Din, Israf Ud)

Source: RESULTS IN ENGINEERING **Volume:** 19 **Article Number:** 101333 **DOI:** 10.1016/j.rineng.2023.101333 **Early Access Date:** AUG 2023 **Published:** SEP 2023

Record 329 of 1000

Title: Screen-printed electrochemical sensors for label-free potentiometric and impedimetric detection of human serum albumin

Author(s): Kamel, AH (Kamel, Ayman H.); Ashmawy, NH (Ashmawy, Nashwa H.); Youssef, TA (Youssef, Teraze A.); Elnakib, M (Elnakib, Mostafa); Abd El-Naby, H (Abd El-Naby, Heba); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.)

Source: ELECTROANALYSIS **Volume:** 35 **Issue:** 7 **DOI:** 10.1002/elan.202200436 **Early Access Date:** FEB 2023 **Published:** JUL 2023

Record 330 of 1000

Title: Synthesis of potent MDA-MB 231 breast cancer drug molecules from single step

Author(s): Govindaraj, S (Govindaraj, Senthilnathan); Ganesan, K (Ganesan, Kilivelu); Dharmasivam, M (Dharmasivam, Mahendiran); Raman, L (Raman, Lakshmisundaram); Alam, MM (Alam, Mohammed Mujahid); Amanullah, M (Amanullah, Mohammed)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 18241 **DOI:** 10.1038/s41598-023-45455-y **Published:** OCT 25 2023

Record 331 of 1000

Title: Structural, Non-linear optical response and ultraviolet transparency of superalkalis (Li₃O, Na₃O, K₃O)-doped bowl shape silicon carbide nanoclusters

Author(s): Kosar, N (Kosar, Naveen); Noreen, S (Noreen, Sana); Ayub, K (Ayub, Khurshid); Imran, M (Imran, Muhammad); Mahmood, T (Mahmood, Tariq)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 157 **Article Number:** 111328 **DOI:** 10.1016/j.inoche.2023.111328 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 332 of 1000

Title: Synthesis and Characterization of ZnO Nanoparticles Derived from Biomass (Sisymbrium Trio) and Assessment of Potential Anticancer Activity

Author(s): Maher, S (Maher, Saima); Nisar, S (Nisar, Shazia); Aslam, SM (Aslam, Sania Muhammad); Saleem, F (Saleem, Farooq); Behlil, F (Behlil, Farida); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.); Nouroz, A (Nouroz, Arifa); Naheed, N (Naheed, Nadra); Khan, ZA (Khan, Zarmina Azad); Aslam, P (Aslam, Parveen)

Source: ACS OMEGA **Volume:** 8 **Issue:** 18 **Pages:** 15920-15931 **DOI:** 10.1021/acsomega.2c07621 **Early Access Date:** APR 2023 **Published:** MAY 9 2023

Record 333 of 1000

Title: Anticancer Potentials of the Lignan Magnolin: A Systematic Review

Author(s): Bhuia, MS (Bhuia, Md. Shimul); Wilairatana, P (Wilairatana, Polrat); Chowdhury, R (Chowdhury, Raihan); Rakib, AI (Rakib, Asrafal Islam); Kamli, H (Kamli, Hossam); Shaikh, A (Shaikh, Ahmad); Coutinho, HDM (Coutinho, Henrique D. M.); Islam, MT (Islam, Muhammad Torequl)

Source: MOLECULES **Volume:** 28 **Issue:** 9 **Article Number:** 3671 **DOI:** 10.3390/molecules28093671 **Published:** APR 23 2023

Record 334 of 1000

Title: Spectroscopic studies on Sm³⁺ ions doped modifiers incited calcium phospho-silicate glasses for photonic and optoelectronic applications

Author(s): Sekaran, SAR (Sekaran, S. Arul Raja); Padhi, RK (Padhi, Ranjib Kumar); Yousef, E (Yousef, El Sayed); Marimuthu, K (Marimuthu, K.)

Source: JOURNAL OF NON-CRYSTALLINE SOLIDS **Volume:** 623 **Article Number:** 122692 **DOI:** 10.1016/j.jnoncrysol.2023.122692 **Early Access Date:** OCT 2023 **Published:** JAN 1 2024

Record 335 of 1000

Title: Adsorption of 4D and 5D transition metals on antimonene for optoelectronics and spintronics applications

Author(s): Khalid, S (Khalid, Swera); Majid, A (Majid, Abdul); ul Rehman, F (ul Rehman, Fazal); Khan, MI (Khan, Muhammad Isa); Alarfaji, SS (Alarfaji, Saleh S.)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 580 **Article Number:** 170968 **DOI:** 10.1016/j.jmmm.2023.170968 **Early Access Date:** JUN 2023 **Published:** AUG 15 2023

Record 336 of 1000

Title: Hollow microgels and their hybrids: classification, synthesis, characterization, properties and applications

Author(s): Hassan, A (Hassan, Ahmad); Sajid, I (Sajid, Iqra); Akmal, M (Akmal, Muhammad); Aslam, M (Aslam, Muniba); Roy, PG (Roy, Prashun Ghosh); Zhou, SQ (Zhou, Shuiqin); Irfan, A (Irfan, Ahmad); Shahid, M (Shahid, Muhammad); Begum, R (Begum, Robina); Farooqi, ZH (Farooqi, Zahoor H.)

Source: REVIEWS IN CHEMICAL ENGINEERING **DOI:** 10.1515/revce-2022-0074 **Early Access Date:** MAY 2023

Record 337 of 1000

Title: Design, Synthesis, Anticancer Evaluation, and Molecular Docking Studies of Oxazole-Incorporated Naphthyridine Derivatives

Author(s): Rangaswamy, S (Rangaswamy, Singamsetty); Sreenivasulu, R (Sreenivasulu, Reddymasu); Babu, VR (Babu, Vankayala Ramesh); Syed, T (Syed, Tasqeeruddin); Kapavarapu, RK (Kapavarapu, Ravi Kumar); Jayaprakash, HV (Jayaprakash, Hulikunte Veeranna); Abbaraju, VDNK (Abbaraju, Venkata Durga Nagendra Kumar)

Source: CHEMISTRY & BIODIVERSITY **Volume:** 20 **Issue:** 12 **DOI:** 10.1002/cbdv.202300466 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 338 of 1000

Title: Heavy metals in sludge from the sewage treatment plant network: a tool to evaluate source and risks of heavy metals to land application

Author(s): Islam, MS (Islam, Md. Saiful); Islam, MT (Islam, Md. Towhidul); Ismail, Z (Ismail, Zulhilmi); Ibrahim, KA (Ibrahim, Khalid A.); Al-Qthanin, RN (Al-Qthanin, Rahmah N.); Idris, AM (Idris, Abubakr M.)

Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY **DOI:** 10.1080/03067319.2023.2271425 **Early Access Date:** OCT 2023

Record 339 of 1000

Title: Effect of solvent role in electronic properties, band gap, electron injection barrier, charge transport nature, topology studies (ELF, LOL, RDG), and optical properties of azoles for multifunctional applications

Author(s): Irfan, A (Irfan, Ahmad); Hussien, M (Hussien, Mohamed); Chaudhry, AR (Chaudhry, Aijaz Rasool); Qayyum, MA (Qayyum, Muhammad Abdul); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Selvakumari, S (Selvakumari, S.); Muthu, S (Muthu, S.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 390 **Article Number:** 122956 **DOI:** 10.1016/j.molliq.2023.122956 **Early Access Date:** SEP 2023 **Part:** A **Published:** NOV 15 2023

Record 340 of 1000

Title: Recent developments in natural biopolymer based drug delivery systems

Author(s): Fazal, T (Fazal, Tanzeela); Murtaza, BN (Murtaza, Bibi Nazia); Shah, MZ (Shah, Mazloom); Iqbal, S (Iqbal, Shahid); Rehman, MU (Rehman, Mujaddad-Ur); Jaber, F (Jaber, Fadi); Dera, AA (Dera, Ayed A.); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 33 **Pages:** 23087-23121 **DOI:** 10.1039/d3ra03369d **Published:** JUL 26 2023

Record 341 of 1000

Title: Metabolomics: a promising tool for deciphering metabolic impairment in heavy metal toxicities

Author(s): Akash, MSH (Akash, Muhammad Sajid Hamid); Yaqoob, A (Yaqoob, Azka); Rehman, K (Rehman, Kanwal); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A. A.); Al-Rashed, F (Al-Rashed, Fatema); Al-Mulla, F (Al-Mulla, Fahd); Ahmad, R (Ahmad, Rasheed); Sindhu, S (Sindhu, Sardar)

Source: FRONTIERS IN MOLECULAR BIOSCIENCES **Volume:** 10 **Article Number:** 1218497 **DOI:** 10.3389/fmolb.2023.1218497 **Published:** JUL 6 2023

Record 342 of 1000

Title: Phytochemical characterization of *Typha domingensis* and the assessment of therapeutic potential using *in vitro* and *in vivo* biological activities and *in silico* studies

Author(s): Dilshad, R (Dilshad, Rizwana); Khan, KUR (Khan, Kashif-ur-Rehman); Ahmad, S (Ahmad, Saeed); Mohammad, AAS (Mohammad, Asif Ansari Shaik); Sherif, AE (Sherif, Asmaa E.); Rao, HM (Rao, Huma); Ahmad, M (Ahmad, Maqsood); Ghalloo, BA (Ghalloo, Bilal Ahmad); Begum, MY (Begum, M. Yasmin)

Source: FRONTIERS IN CHEMISTRY **Volume:** 11 **Article Number:** 1273191 **DOI:** 10.3389/fchem.2023.1273191 **Published:** NOV 8 2023

Record 343 of 1000

Title: Artificial intelligence and cheminformatics tools: a contribution to the drug development and chemical science

Author(s): Saifi, I (Saifi, Ifra); Bhat, BA (Bhat, Basharat Ahmad); Hamdani, SS (Hamdani, Syed Suhail); Bhat, UY (Bhat, Umar Yousuf); Lobato-Tapia, CA (Lobato-Tapia, Carlos Alberto); Mir, MA (Mir, Mushtaq Ahmad); Dar, TU (Dar, Tanvir Ul Hasan); Ganie, SA (Ganie, Showkat Ahmad)

Source: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS **DOI:** 10.1080/07391102.2023.2234039 **Early Access Date:** JUL 2023

Record 344 of 1000

Title: Synthesis, analysis and characterization of camellia sinensis mediated synthesis of NiO nanoparticles for ethanol gas sensor applications

Author(s): Ananthi, S (Ananthi, S.); Kavitha, M (Kavitha, M.); Balamurugan, A (Balamurugan, A.); Kumar, ER (Kumar, E. Ranjith); Magesh, G (Magesh, G.); Abd El-Rehim, AF (Abd El-Rehim, A. F.); Srinivas, C (Srinivas, Ch.); Anilkumar, P (Anilkumar, P.); Suryakanth, J (Suryakanth, J.); Rahale, CS (Rahale, C. Sharmila)

Source: SENSORS AND ACTUATORS B-CHEMICAL **Volume:** 387 **Article Number:** 133742 **DOI:** 10.1016/j.snb.2023.133742 **Early Access Date:** APR 2023 **Published:** JUL 15 2023

Record 345 of 1000

Title: Removal of Dye from Aqueous Solution Using Ectodermis of Prickly Pear Fruits-Based Bioadsorbent

Author(s): Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); Al-Shehri, BM (Al-Shehri, Badria M.); El-Shishtawy, RM (El-Shishtawy, Reda M.)

Source: SUSTAINABILITY **Volume:** 15 **Issue:** 6 **Article Number:** 4700 **DOI:** 10.3390/su15064700 **Published:** MAR 2023

Record 346 of 1000

Title: Studies on the Performance of Engines Powered with Hydrogen-Enriched Biogas

Author(s): Pandey, V (Pandey, Vivek); Shahapurkar, KH (Shahapurkar, Kiran Hanmanthrao); Guluwadi, S (Guluwadi, Suresh); Mengesha, GA (Mengesha, Getinet Asrat); Gadissa, B (Gadissa, Bekele); Banapurmath, NR (Banapurmath, Nagaraj Ramalingayya); Vadlamudi, C (Vadlamudi, Chandramouli); Krishnappa, S (Krishnappa, Sanjay); Khan, TMY (Khan, T. M. Yunus)

Source: ENERGIES **Volume:** 16 **Issue:** 11 **Article Number:** 4349 **DOI:** 10.3390/en16114349 **Published:** MAY 26 2023

Record 347 of 1000

Title: Postfire Residual Strength and Morphology of Concrete Incorporating Natural Rubber Latex Exposed to Elevated Temperatures

Author(s): Awoyera, PO (Awoyera, Paul O.); Najm, HM (Najm, Hadee Mohammed); Adefarati, OD (Adefarati, Olusegun David); Eldirderi, MMA (Eldirderi, Moutaz Mustafa A.); Khedher, KM (Khedher, Khaled Mohamed); Al Dughaiishi, H (Al Dughaiishi, Husam); Al Lawati, J (Al Lawati, Jawad); Milad, A (Milad, Abdalrhman)

Source: ADVANCES IN CIVIL ENGINEERING **Volume:** 2023 **Article Number:** 9681890 **DOI:** 10.1155/2023/9681890 **Published:** APR 20 2023

Record 348 of 1000

Title: Investigation of Structural, Mechanical, Optoelectronic, and Thermoelectric Properties of BaXF₃ (X = Co, Ir) Fluoro-Perovskites: Promising Materials for Optoelectronic and Thermoelectric Applications

Author(s): Khattak, SA (Khattak, Shaukat Ali); Abohashrh, M (Abohashrh, Mohammed); Ahmad, I (Ahmad, Imtiaz); Husain, M (Husain, Mudasser); Ullah, I (Ullah, Irfan); Zulfiqar, S (Zulfiqar, Syed); Rooh, G (Rooh, Gul); Rahman, N (Rahman, Nasir); Khan, G (Khan, Gulzar); Khan, T (Khan, Tahirzeb); Khan, MS (Khan, Muhammad Salman); Shah, SK (Shah, Said Karim); Tirth, V (Tirth, Vineet)

Source: ACS OMEGA **Volume:** 8 **Issue:** 6 **Pages:** 5274-5284 **DOI:** 10.1021/acsomega.2c05845 **Early Access Date:** FEB 2023 **Published:** FEB 14 2023

Record 349 of 1000

Title: Evaluating the Anti-Gastric Ulcer Activity of *Aegle marmelos*: A Brief Review

Author(s): Zaib, S (Zaib, Sumera); Javed, H (Javed, Hira); Ogaly, HA (Ogaly, Hanan A.); Khan, I (Khan, Imtiaz)

Source: CHEMISTRYSELECT **Volume:** 8 **Issue:** 10 **DOI:** 10.1002/slct.202204193 **Published:** MAR 13 2023

Record 350 of 1000

Title: Organic Quasi-Liquid Schiff Bases from Biomolecules: Synthesis, Structure and Quantum Mechanical Studies

Author(s): Surendar, P (Surendar, Periyasamy); Pooventhiran, T (Pooventhiran, Thangaiyan); Rajam, S (Rajam, Shameela); Rao, DJ (Rao, Dasari Jagadeeswara); Manigandan, N (Manigandan, Nagulan); Irfan, A (Irfan, Ahmad); Thomas, R (Thomas, Renjith)

Source: BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY **Volume:** 13 **Issue:** 2 **Article Number:** 107 **DOI:** 10.33263/BRIAC132.107132.107 **Published:** APR 15 2023

Record 351 of 1000

Title: Metal-organic frameworks for next-generation energy storage devices; a systematic review

Author(s): Sandhu, ZA (Sandhu, Zeshan Ali); Raza, MA (Raza, Muhammad Asam); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.); Farwa, U (Farwa, Umme); Ashraf, S (Ashraf, Sawera); Dildar, A (Dildar, Arooj); Fatima, E (Fatima, Eman); Ashraf, S (Ashraf, Sufyan); Ali, F (Ali, Furqan)

Source: MATERIALS ADVANCES **Volume:** 5 **Issue:** 1 **Pages:** 30-50 **DOI:** 10.1039/d3ma00822c **Early Access Date:** NOV 2023 **Published:** JAN 2 2024

Record 352 of 1000

Title: Tail-approach based design, synthesis, and cytotoxic evaluation of novel disubstituted and trisubstituted 1,3-thiazole benzenesulfonamide derivatives with suggested carbonic anhydrase IX inhibition mechanism

Author(s): Bondock, S (Bondock, Samir); Albarqi, T (Albarqi, Tallah); Abboud, M (Abboud, Mohamed); Nasr, T (Nasr, Tamer); Mohamed, NM (Mohamed, Nada M.); Abdou, MM (Abdou, Moaz M.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 34 **Pages:** 24003-24022 **DOI:** 10.1039/d3ra02528d **Published:** AUG 4 2023

Record 353 of 1000

Title: Silver-poly(N-isopropylacrylamide-co-2-hydroxyethylmethacrylate) hybrid microgels with excellent catalytic potential

Author(s): Mustafa, G (Mustafa, Ghulam); Roy, PG (Roy, Prashun Ghosh); Zhou, SQ (Zhou, Shuiqin); Irfan, A (Irfan, Ahmad); Chaudhry, AR (Chaudhry, Aijaz Rasool); Begum, R (Begum, Robina); Farooqi, ZH (Farooqi, Zahoor H.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 385 **Article Number:** 122397 **DOI:** 10.1016/j.molliq.2023.122397 **Early Access Date:** JUN 2023 **Published:** SEP 1 2023

Record 354 of 1000

Title: Bias and illumination-dependent room temperature negative differential conductance in Ni-doped ZnO/p-Si Schottky photodiodes for quantum optics applications

Author(s): Ocaya, RO (Ocaya, Richard O.); Orman, Y (Orman, Yusuf); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Dere, A (Dere, Aysegul); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Yakuphanoglu, F (Yakuphanoglu, Fahrettin)

Source: HELIYON **Volume:** 9 **Issue:** 5 **Article Number:** e16269 **DOI:** 10.1016/j.heliyon.2023.e16269 **Early Access Date:** MAY 2023 **Published:** MAY 2023

Record 355 of 1000

Title: Selective photo-reduction of nitrate to nitrogen with a two-step process by a KBH₄/Cu(II) modified CuFe₂O₄ photocatalyst

Author(s): Cai, L (Cai, Li); Guo, JR (Guo, Jinrui); Liu, T (Liu, Ting); Tian, J (Tian, Jing); Wang, ZL (Wang, Zhaoli); Liu, Y (Liu, Yong); Hamdy, MS (Hamdy, Mohamed S.); Sun, XP (Sun, Xuping)

Source: NANO RESEARCH **Volume:** 16 **Issue:** 7 **Pages:** 10462-10475 **DOI:** 10.1007/s12274-023-5696-9 **Early Access Date:** APR 2023 **Published:** JUL 2023

Record 356 of 1000

Title: ZnFe₂O₄ nanosheet array: a highly efficient electrocatalyst for ambient ammonia production *via* nitrite reduction

Author(s): Xu, CG (Xu, Chenggang); Liang, YM (Liang, Yimei); He, X (He, Xun); Zhang, AL (Zhang, Ailin); Ouyang, L (Ouyang, Ling); Hu, L (Hu, Long); Fan, XY (Fan, Xiaoya); Luo, YS (Luo, Yongsong); Zheng, DD (Zheng, Dongdong); Sun, SJ (Sun, Shengjun); Farouk, A (Farouk, Asmaa); Hamdy, MS (Hamdy, Mohamed S.); Sun, XP (Sun, Xuping)

Source: CATALYSIS SCIENCE & TECHNOLOGY **Volume:** 14 **Issue:** 1 **Pages:** 57-61 **DOI:** 10.1039/d3cy01176c **Early Access Date:** NOV 2023 **Published:** JAN 3 2024

Record 357 of 1000

Title: Fabrication of an efficient hierarchical mesoporous 2D-MoS₂/CNT/ polypyrrole based composite electrodes for competitive and selective U⁶⁺ removal using capacitive deionization: Mechanistic evaluation through cyclic voltammetry

Author(s): Shehzad, H (Shehzad, Hamza); Chen, JA (Chen, Jiaai); Shuang, MT (Shuang, Meng Ting); Liu, ZR (Liu, Zhirong); Farooqi, ZH (Farooqi, Zahoor H.); Sharif, A (Sharif, Ahsan); Ahmed, E (Ahmed, Ejaz); Zhou, LM (Zhou, Limin); Irfan, A (Irfan, Ahmad); Begum, R (Begum, Robina); Iqbal, F (Iqbal, Fauzia); Ouyang, JB (Ouyang, Jinbo)

Source: COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS **Volume:** 680 **Article Number:** 132637 **DOI:** 10.1016/j.colsurfa.2023.132637 **Early Access Date:** OCT 2023 **Published:** JAN 5 2024

Record 358 of 1000

Title: Study of the physical aspects of Pt₃T (T = Mn, Ni) intermetallic compounds using first principles method

Author(s): Sadat, MN (Sadat, Md Nazmus); Rahman, MA (Rahman, Md Atikur); Roy, DC (Roy, Dayal Chandra); Rahman, MA (Rahman, Md Afjalur); Hasan, MZ (Hasan, Md Zahid); Ahmad, I (Ahmad, Irfan); Chowdhury, S (Chowdhury, Swapnil); Hasan, W (Hasan, Wakil); Ferdous, R (Ferdous, Rejuana); Aktar, T (Aktar, Tajrin)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 672 **Article Number:** 415402 **DOI:** 10.1016/j.physb.2023.415402 **Early Access Date:** OCT 2023 **Published:** JAN 1 2024

Record 359 of 1000

Title: Adsorption of industry affiliated gases on buckled aluminene for gas sensing applications

Author(s): Khan, MI (Khan, Muhammad Isa); Ashfaq, M (Ashfaq, Momina); Majid, A (Majid, Abdul); Noor, L (Noor, Laraib); Alarfaji, SS (Alarfaji, Saleh S.)

Source: JOURNAL OF MOLECULAR MODELING **Volume:** 29 **Issue:** 8 **Article Number:** 267 **DOI:** 10.1007/s00894-023-05674-6 **Published:** AUG 2023

Record 360 of 1000

Title: Natural Oils Enhance the Topical Delivery of Ketoconazole by Nanoemulgel for Fungal Infections

Author(s): Ahmad, I (Ahmad, Irfan); Farheen, M (Farheen, Ms); Kukreti, A (Kukreti, Ashish); Afzal, O (Afzal, Obaid); Akhter, MH (Akhter, Md Habban); Chitme, H (Chitme, Havagiray); Visht, S (Visht, Sharad); Altamimi, ASA (Altamimi, Abdulmalik Saleh Alfawaz); Alossaimi, MA (Alossaimi, Manal A.); Alsulami, ER (Alsulami, Ebtisam R.); Jaremko, M (Jaremko, Mariusz); Emwas, AH (Emwas, Abdul-Hamid)

Source: ACS OMEGA **Volume:** 8 **Issue:** 31 **Pages:** 28233-28248 **DOI:** 10.1021/acsomega.3c01571 **Early Access Date:** JUL 2023 **Published:** JUL 26 2023

Record 361 of 1000

Title: Creating intense and refined NLO responses by utilizing dual donor structural designs in A- π -D- π -D- π -A type organic switches: computed device parameters

Author(s): Hassan, AU (Hassan, Abrar U.); Sumrra, SH (Sumrra, Sajjad H.); Mustafa, G (Mustafa, Ghulam); Zubair, M (Zubair, Muhammad); Mohyuddin, A (Mohyuddin, Ayesha); Noreen, S (Noreen, Sadaf); Imran, M (Imran, Muhammad)

Source: STRUCTURAL CHEMISTRY **Volume:** 34 **Issue:** 6 **Pages:** 2021-2038 **DOI:** 10.1007/s11224-023-02138-8 **Early Access Date:** FEB 2023 **Published:** DEC 2023

Record 362 of 1000

Title: Fabrication of high-performance RT-NH₃ gas sensor based on Cu and La co-doped ZnO films through a facile drop-casting method

Author(s): Alagarasan, D (Alagarasan, Devarajan); Hegde, SS (Hegde, S. S.); Naik, R (Naik, R.); Murahari, P (Murahari, Prashantha); Shetty, HD (Shetty, Hitha D.); Hb, SP (Hb, Shiva Prasad); Maiz, F (Maiz, F.); Shkir, M (Shkir, Mohd)

Source: OPTICAL MATERIALS **Volume:** 147 **Article Number:** 114705 **DOI:** 10.1016/j.optmat.2023.114705 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 363 of 1000

Title: Peristaltic motion of Jeffrey fluid with nonlinear mixed convection

Author(s): Farooq, S (Farooq, S.); Shoaib, T (Shoaib, T.); Bukhari, SZB (Bukhari, S. Z. B.); Alqahtani, AS (Alqahtani, A. S.); Malik, MY (Malik, M. Y.); Abdullaev, S (Abdullaev, S.); Alhazmi, SE (Alhazmi, S. E.)

Source: HELIYON **Volume:** 9 **Issue:** 11 **Article Number:** e21451 **DOI:** 10.1016/j.heliyon.2023.e21451 **Early Access Date:** OCT 2023 **Published:** NOV 2023

Record 364 of 1000

Title: Properties of calcium doped ZnO nanoparticles prepared by hydrothermal technique

Author(s): Alshehri, S (Alshehri, Salma); Al-Shehri, S (Al-Shehri, Samar); Ali, H (Ali, Haitham); Hassaneen, AAD (Hassaneen, Ali Abdel-Daiem); Aida, MS (Aida, Mohammed Salah)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 156 **Article Number:** 111201 **DOI:** 10.1016/j.inoche.2023.111201 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 365 of 1000

Title: Competitive recovery of copper ions using ethyl acetoacetate modified chitosan/organo-functionalized alginate hydrogel beads: kinetics and isothermal sorption studies

Author(s): Abid, O (Abid, Obaidurahman); Ahmed, E (Ahmed, Ejaz); Shehzad, H (Shehzad, Hamza); Sharif, A (Sharif, Ahsan); Farooq, ZH (Farooq, Zahoor H.); Liu, ZR (Liu, Zhirong); Zhou, LM (Zhou, Limin); Ouyang, JB (Ouyang, Jinbo); Begum, R (Begum, Robina); Irfan, A (Irfan, Ahmad); Chaudhry, AR (Chaudhry, Aijaz Rasool); Din, MI (Din, Muhammadiyah Imran)

Source: COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS **Volume:** 675 **Article Number:** 132019 **DOI:** 10.1016/j.colsurfa.2023.132019 **Early Access Date:** JUL 2023 **Published:** OCT 20 2023

Record 366 of 1000

Title: Catalytic Reduction of Congo Red to Low-Toxicity Forms Using a Low-Cost Catalyst Based on Modified Bentonite Material

Author(s): Zahraoui, M (Zahraoui, Mehdi); Mokhtar, A (Mokhtar, Adel); Medjhoua, ZAK (Medjhoua, Zohra Aouali Kebir); Abdelkrim, S (Abdelkrim, Soumia); Boukoussa, B (Boukoussa, Bouhadjar); Djelad, A (Djelad, Amal); Hasnaoui, MA (Hasnaoui, Mohammed Abdelkrim); Sassi, M (Sassi, Mohamed); Abboud, M (Abboud, Mohamed)

Record 367 of 1000

Title: MICROWAVE-ASSISTED ALKALI PRETREATMENT OF *HAPLOPHRAGMA ADENOPHYLLUM* LEAVES FOR BIOETHANOL PRODUCTION

Author(s): Rubab, N (Rubab, Nasheen); Ghazanfar, M (Ghazanfar, Misbah); Adnan, S (Adnan, Samreen); Ahmad, I (Ahmad, Irfan); Shakir, HA (Shakir, Hafiz Abdullah); Khan, M (Khan, Muhammad); Franco, M (Franco, Marcelo); Irfan, M (Irfan, Muhammad)

Source: CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 57 Issue: 3-4 Pages: 345-358 DOI: 10.35812/CelluloseChemTechnol.2023.57.30 Published: MAR-APR 2023

Record 368 of 1000

Title: Solvent role in molecular structure, thermodynamic quantities, reactions and electronic transitions (TDDFT) on 2-[piperidin-1-yl] phenol

Author(s): Vimala, M (Vimala, M.); Mary, SS (Mary, S. Stella); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: JOURNAL OF MOLECULAR LIQUIDS Volume: 375 Article Number: 121313 DOI: 10.1016/j.molliq.2023.121313 Early Access Date: JAN 2023 Published: APR 1 2023

Record 369 of 1000

Title: Impact of solid-fluid interfacial layer and nanoparticle diameter on Maxwell nanofluid flow subjected to variable thermal conductivity and uniform magnetic field

Author(s): Srilatha, P (Srilatha, Pudhari); Kumar, RSV (Kumar, R. S. Varun); Kumar, RN (Kumar, R. Naveen); Gowda, RJP (Gowda, R. J. Punith); Abdulrahman, A (Abdulrahman, Amal); Prasannakumara, BC (Prasannakumara, B. C.)

Source: HELIYON Volume: 9 Issue: 11 Article Number: e21189 DOI: 10.1016/j.heliyon.2023.e21189 Early Access Date: OCT 2023 Published: NOV 2023

Record 370 of 1000

Title: Chemical applicability and computation of K-Banhatti indices for benzenoid hydrocarbons and triazine-based covalent organic frameworks

Author(s): Shanmukha, MC (Shanmukha, M. C.); Ismail, R (Ismail, Rashad); Gowtham, KJ (Gowtham, K. J.); Usha, A (Usha, A.); Azeem, M (Azeem, Muhammad); Al-Sabri, EHA (Al-Sabri, Esmail Hassan Abdullatif)

Source: SCIENTIFIC REPORTS Volume: 13 Issue: 1 Article Number: 17743 DOI: 10.1038/s41598-023-45061-y Published: OCT 18 2023

Record 371 of 1000

Title: Antimicrobial peptide moricin induces ROS mediated caspase-dependent apoptosis in human triple-negative breast cancer via suppression of notch pathway (vol 23, 121, 2023)

Author(s): Ahmad, I (Ahmad, Imran); Pal, S (Pal, Saurabh); Singh, R (Singh, Ranjana); Ahmad, K (Ahmad, Khursheed); Dey, N (Dey, Nilanjan); Srivastava, A (Srivastava, Aditi); Ahmad, R (Ahmad, Rumana); Suliman, M (Suliman, Muath); Alshahrani, MY (Alshahrani, Mohammad Y.); Barkat, MA (Barkat, Md. Abul); Siddiqui, S (Siddiqui, Sahabjada)

Source: CANCER CELL INTERNATIONAL Volume: 23 Issue: 1 Article Number: 139 DOI: 10.1186/s12935-023-02988-6 Published: JUL 15 2023

Record 372 of 1000

Title: Antimicrobial peptide moricin induces ROS mediated caspase-dependent apoptosis in human triple-negative breast cancer via suppression of notch pathway

Author(s): Ahmad, I (Ahmad, Imran); Pal, S (Pal, Saurabh); Singh, R (Singh, Ranjana); Ahmad, K (Ahmad, Khursheed); Dey, N (Dey, Nilanjan); Srivastava, A (Srivastava, Aditi); Ahmad, R (Ahmad, Rumana); Suliman, M (Suliman, Muath); Alshahrani, MY (Alshahrani, Mohammad Y.); Barkat, MA (Barkat, Md. Abul); Siddiqui, S (Siddiqui, Sahabjada)

Source: CANCER CELL INTERNATIONAL Volume: 23 Issue: 1 Article Number: 121 DOI: 10.1186/s12935-023-02958-y Published: JUN 21 2023

Record 373 of 1000

Title: Significant improvement of dye-sensitized solar cell performance using low-band-gap chromophores based on triphenylamine and carbazole as donors

Author(s): Elmorsy, MR (Elmorsy, Mohamed R.); Badawy, SA (Badawy, Safa A.); Abdel-Latif, E (Abdel-Latif, Ehab); Assiri, MA (Assiri, Mohammed A.); Ali, TE (Ali, Tarik E.)

Source: DYES AND PIGMENTS **Volume:** 214 **Article Number:** 111206 **DOI:** 10.1016/j.dyepig.2023.111206 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 374 of 1000

Title: A Simple Stability-Indicating UPLC Method for the Concurrent Assessment of Paracetamol and Caffeine in Pharmaceutical Formulations

Author(s): Ahmad, W (Ahmad, Wasim); Hassan, YA (Hassan, Yousif Amin); Ahmad, A (Ahmad, Ayaz); Suroor, M (Suroor, Manal); Sarafroz, M (Sarafroz, Mohammad); Alam, P (Alam, Prawez); Wahab, S (Wahab, Shadma); Salam, S (Salam, Shahana)

Source: SEPARATIONS **Volume:** 10 **Issue:** 1 **Article Number:** 50 **DOI:** 10.3390/separations10010050 **Published:** JAN 2023

Record 375 of 1000

Title: Production and Evaluation of the Immunogenicity of an *Enterobacter aerogenes* Ghost Vaccine in a Mouse Model

Author(s): Keshta, AT (Keshta, Akaber Tarek); Mohammed, FZ (Mohammed, Faten Zahran); Hassan, MA (Hassan, Mahmoud Ayman); Sheweita, SA (Sheweita, Salah Ahmed)

Source: EGYPTIAN JOURNAL OF CHEMISTRY **Volume:** 66 **Issue:** 10 **Pages:** 539-547 **DOI:** 10.21608/EJCHEM.2023.188146.7474 **Published:** OCT 2023

Record 376 of 1000

Title: Mechanistic insights into the beneficial effects of curcumin on insulin resistance: Opportunities and challenges

Author(s): Balakumar, P (Balakumar, Pitchai); Venkatesan, K (Venkatesan, Kumar); Khan, NA (Khan, Noohu Abdulla); Raghavendra, NM (Raghavendra, N. M.); Venugopal, V (Venugopal, Vijayan); Bharathi, DR (Bharathi, D. R.); Fuloria, NK (Fuloria, Neeraj K.)

Source: DRUG DISCOVERY TODAY **Volume:** 28 **Issue:** 7 **Article Number:** 103627 **DOI:** 10.1016/j.drudis.2023.103627 **Early Access Date:** JUN 2023 **Published:** JUL 2023

Record 377 of 1000

Title: Photophysical effects of TiO₂ quantum dots on phytotoxicity, recycling for solar and photocatalytic processes of industrial effluent

Author(s): Mohamed, WAA (Mohamed, Walied A. A.); Mousa, HA (Mousa, Hanan A.); El-Gawad, HHA (El-Gawad, Hala H. Abd); Handal, HT (Handal, Hala T.); Galal, HR (Galal, Hoda R.); Ibrahim, IA (Ibrahim, Ibrahim A.); Mekkey, SD (Mekkey, Saleh D.); Ahmed, MAM (Ahmed, Mahmoud A. M.); Ben Mousa, S (Ben Mousa, Sana); Labib, AA (Labib, Ammar A.)

Source: RESULTS IN PHYSICS **Volume:** 46 **Article Number:** 106316 **DOI:** 10.1016/j.rinp.2023.106316 **Early Access Date:** MAR 2023 **Published:** MAR 2023

Record 378 of 1000

Title: Assessment of Soil Degradation and Hazards of Some Heavy Metals, Using Remote Sensing and GIS Techniques in the Northern Part of the Nile Delta, Egypt

Author(s): Abowaly, ME (Abowaly, Mohamed E. E.); Ali, RA (Ali, Raafat A. A.); Moghanm, FS (Moghanm, Farahat S. S.); Gharib, MS (Gharib, Mohamed S. S.); Moustapha, ME (Moustapha, Moustapha Eid); Elbagory, M (Elbagory, Mohssen); Omara, AE (Omara, Alaa El-Dein); Elmahdy, SM (Elmahdy, Shimaa M. M.)

Source: AGRICULTURE-BASEL **Volume:** 13 **Issue:** 1 **Article Number:** 76 **DOI:** 10.3390/agriculture13010076 **Published:** JAN 2023

Record 379 of 1000

Title: Effect of ferromagnetic cobalt on characteristics of coercive Aluminium substituted BaFe_{11.5}Al_{0.5}O₁₉ hexaferrites

Author(s): Ijaz, M (Ijaz, Muhammad); Asif, SU (Asif, Sana Ullah); El-Zahhar, AA (El-Zahhar, Adel A.); Saleh, EAM (Saleh, Ebraheem Abdu Musad); Ullah, H (Ullah, Hafeez)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 10 **Article Number:** 105937 **DOI:** 10.1088/1402-4896/acf3aa **Published:** OCT 1 2023

Record 380 of 1000

Title: Solid acid catalysts comprising heteropoly acids supported on SiO₂, TiO₂ and ZrO₂: A microcalorimetric investigation of catalyst acidity and new insight into the mechanism of alcohol dehydration over HPA

Author(s): Alasmari, A (Alasmari, Amal); Al-Faze, R (Al-Faze, Rawan); Kozhevnikova, EF (Kozhevnikova, Elena F.); Kozhevnikov, IV (V. Kozhevnikov, Ivan)

Source: CATALYSIS COMMUNICATIONS **Volume:** 180 **Article Number:** 106710 **DOI:** 10.1016/j.catcom.2023.106710 **Early Access Date:** JUN 2023 **Published:** JUL 2023

Record 381 of 1000

Title: Ab-initio investigation of structural, optoelectronic, and transport properties of metal-alkali-based binary chalcogenides, X₂Te [X = Na, K, Rb]: Rb₂Te a potential candidate for UV-shielding and thermoelectric devices

Author(s): Khattak, SA (Khattak, Shaukat Ali); Dinar, F (Dinar, Falak); Iqbal, K (Iqbal, Kalsoom); Abohashrh, M (Abohashrh, Mohammed); Ahmad, I (Ahmad, Imtiaz); Husain, M (Husain, Mudasser); Rooh, G (Rooh, Gul); Zulfiqar, S (Zulfiqar, Syed); Ullah, I (Ullah, Irfan); Rahman, N (Rahman, Nasir); Khan, T (Khan, Tahirzeb); Khan, G (Khan, Gulzar); Shah, SK (Shah, Said Karim); Tirth, V (Tirth, Vineet)

Source: JOURNAL OF MATERIALS RESEARCH **Volume:** 38 **Issue:** 9 **Pages:** 2534-2549 **DOI:** 10.1557/s43578-023-00986-y **Early Access Date:** APR 2023 **Published:** MAY 14 2023

Record 382 of 1000

Title: Chemical Profile, Antibacterial, Antibiofilm, and Antiviral Activities of *Pulicaria crispa* Most Potent Fraction: An In Vitro and In Silico Study

Author(s): Abo-Elghiet, F (Abo-Elghiet, Fatma); Rushdi, A (Rushdi, Areej); Ibrahim, MH (Ibrahim, Mona H.); Mahmoud, SH (Mahmoud, Sara H.); Rabeh, MA (Rabeh, Mohamed A.); Alshehri, SA (Alshehri, Saad Ali); El Menofy, NG (El Menofy, Nagwan Galal)

Source: MOLECULES **Volume:** 28 **Issue:** 10 **Article Number:** 4184 **DOI:** 10.3390/molecules28104184 **Published:** MAY 19 2023

Record 383 of 1000

Title: Comparative Efficacy of Levosimendan, Ramipril, and Sacubitril/Valsartan in Isoproterenol-induced Experimental Heart Failure: A Hemodynamic and Molecular Approach

Author(s): Akhtar, MS (Akhtar, Md Sayeed); Hassan, Q (Hassan, Quamrul); Afzal, O (Afzal, Obaid); Altamimi, A (Altamimi, Abdulmalik); Hassan, MZ (Hassan, Mohd. Zaheen); Sharma, AK (Sharma, Arun Kumar); Mohammad, AAS (Mohammad, Asif Ansari Shaik); Tabassum, F (Tabassum, Fauzia)

Source: CURRENT MOLECULAR PHARMACOLOGY **Volume:** 16 **Issue:** 6 **Pages:** 629-639 **DOI:** 10.2174/1874467215666220919104526 **Published:** 2023

Record 384 of 1000

Title: Nonlinear optical response of facially polarized all cis-1,3,5-trifluorocyclohexane doped with transition metals and calcium

Author(s): Farooq, S (Farooq, Sadia); Hussain, A (Hussain, Ajaz); Yar, M (Yar, Muhammad); Tariq, M (Tariq, Muhammad); Mahmood, K (Mahmood, Khalid); Ayub, K (Ayub, Khurshid); Hussain, R (Hussain, Riaz); Rasool, F (Rasool, Faiz); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 391 **Article Number:** 123331 **DOI:** 10.1016/j.molliq.2023.123331 **Early Access Date:** OCT 2023 **Part:** B **Published:** DEC 1 2023

Record 385 of 1000

Title: First-Principles Calculations to Investigate Structural, Electronic, Optical and Magnetic Properties of Pyrochlore Oxides Eu₂Tm₂O₇ (Tm = Hf, Sn, Zr) for Energy Applications

Author(s): Abbas, Z (Abbas, Zeesham); Naz, A (Naz, Adeela); Hussain, S (Hussain, Sajjad); Muhammad, S (Muhammad, Shabbir); Algarni, H (Algarni, H.); Ali, A (Ali, Ahsan); Jung, JW (Jung, Jongwan)

Source: INORGANICS **Volume:** 11 **Issue:** 5 **Article Number:** 193 **DOI:** 10.3390/inorganics11050193 **Published:** APR 29 2023

Record 386 of 1000

Title: Electrocatalytic Hydrogen Evolution Reaction from Acetic Acid over Gold Immobilized Glassy Carbon Surface

Author(s): Alshammari, BH (Alshammari, Basmah H.); Begum, H (Begum, Humayra); Ibrahim, FA (Ibrahim, Fatma A.); Hamdy, MS (Hamdy, Mohamed S.); Oyshi, TA (Oyshi, Tahamida A.); Khatun, N (Khatun, Nazia); Hasnat, MA (Hasnat, Mohammad A.)

Record 387 of 1000

Title: Experimental spectroscopic and quantum computational investigation and molecular docking analysis of N-benzyloxycarbonyl-L-serine - an anticancer agent

Author(s): Jeelani, A (Jeelani, A.); Muthu, S (Muthu, S.); Basha, AF (Basha, A. Fazilath); Irfan, A (Irfan, Ahmad); Rajesh, R (Rajesh, R.)

Source: SPECTROSCOPY LETTERS Volume: 56 Issue: 3 Pages: 147-165 DOI: 10.1080/00387010.2023.2182323 Early Access Date: MAR 2023 Published: MAR 16 2023

Record 388 of 1000

Title: New In Situ Catalysts Based on Nitro Functional Pyrazole Derivatives and Copper (II) Salts for Promoting Oxidation of Catechol to *o*-Quinone

Author(s): Titi, A (Titi, Abderrahim); Zaidi, K (Zaidi, Kaoutar); Alzahrani, AYA (Alzahrani, Abdullah Y. A.); El Kodadi, M (El Kodadi, Mohamed); Yousfi, E (Yousfi, El Bekkaye); Moliterni, A (Moliterni, Anna); Hammouti, B (Hammouti, Belkheir); Touzani, R (Touzani, Rachid); Abboud, M (Abboud, Mohamed)

Source: CATALYSTS Volume: 13 Issue: 1 Article Number: 162 DOI: 10.3390/catal13010162 Published: JAN 2023

Record 389 of 1000

Title: Ab initio prediction of optoelectronic and thermoelectric behavior of Eu-doped Zn₂SnO₄ using GGA plus U functional: A study for optoelectronic devices

Author(s): Aamer, M (Aamer, Muhammad); Azam, S (Azam, Sikander); Javed, MU (Javed, Muhammad Usman); Neffati, R (Neffati, R.); Amami, M (Amami, Mongi); Khan, W (Khan, W.)

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 123 Issue: 20 Article Number: e27181 DOI: 10.1002/qua.27181 Early Access Date: AUG 2023 Published: OCT 15 2023

Record 390 of 1000

Title: Studies on Evaluation of the Thermal Conductivity of Alumina Titania Hybrid Suspension Nanofluids for Enhanced Heat Transfer Applications

Author(s): Bhattad, A (Bhattad, Atul); Rao, BN (Rao, B. Nageswara); Atgur, V (Atgur, Vinay); Banapurmath, NR (Banapurmath, Nagaraj R.); Sajjan, AM (Sajjan, Ashok M.); Vadlamudi, C (Vadlamudi, Chandramouli); Krishnappa, S (Krishnappa, Sanjay); Khan, TMY (Khan, T. M. Yunus); Ayachit, NH (Ayachit, Narasimha H.)

Source: ACS OMEGA Volume: 8 Issue: 27 Pages: 24176-24184 DOI: 10.1021/acsomega.2c07513 Early Access Date: JUN 2023 Published: JUN 27 2023

Record 391 of 1000

Title: Investigation of blood flow characteristics saturated by graphene/CuO hybrid nanoparticles under quadratic radiation using VIM: study for expanding/contracting channel

Author(s): Mishra, NK (Mishra, Nidhish Kumar); Adnan (Adnan); ur Rahman, K (ur Rahman, Khaleeq); Eldin, SM (Eldin, Sayed M.); Bani-Fwaz, MZ (Bani-Fwaz, Mutasem Z.)

Source: SCIENTIFIC REPORTS Volume: 13 Issue: 1 Article Number: 8503 DOI: 10.1038/s41598-023-35695-3 Published: MAY 25 2023

Record 392 of 1000

Title: Anticancer Potentials of Native and Gamma Irradiated Snake Venom against Human Breast and Colon Cancer Cell Lines: In Vitro Study

Author(s): Mohamed, MM (Mohamed, Maysa M.); Abdullah, SO (Abdullah, Sanaa O.); Mohamed, AF (Mohamed, Aly F.); Elbehair, SEI (Elbehair, Serag Eldin I.); Karam, HM (Karam, Heba M.); El-Desouky, MA (El-Desouky, Mohamed A.)

Source: EGYPTIAN JOURNAL OF CHEMISTRY Volume: 66 Issue: 5 Pages: 279-292 DOI: 10.21608/ejchem.2022.152363.6599 Published: MAY 2023

Record 393 of 1000

Title: Microwave-assisted cleaner extraction of tannin from *Terminalia chebula*: A promising green method for sustainable leather dyeing

Author(s): Bashir, M (Bashir, Marwa); Adeel, S (Adeel, Shahid); Aftab, M (Aftab, Muhammad); Mia, R (Mia, Rony); Imran, M (Imran, Muhammad)

Source: SUSTAINABLE CHEMISTRY AND PHARMACY **Volume:** 37 **Article Number:** 101336 **DOI:** 10.1016/j.scp.2023.101336 **Early Access Date:** NOV 2023 **Published:** FEB 2024

Record 394 of 1000

Title: Design, green synthesis, and quorum sensing quenching potential of novel 2-oxo-pyridines containing a thiophene/furan scaffold and targeting a *Las*R gene on *P. aeruginosa*

Author(s): Ammar, YA (Ammar, Yousry A.); Ragab, A (Ragab, Ahmed); Migahed, MA (Migahed, M. A.); Al-Sharbasy, S (Al-Sharbasy, S.); Salem, MA (Salem, Mohamed A.); Riad, OKM (Riad, Omnia Kareem M.); Selim, HMRM (Selim, Heba Mohammed Refat M.); Abd-elmaksoud, GA (Abd-elmaksoud, Gehad A.); Abusaif, MS (Abusaif, Moustafa S.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 39 **Article Number:** 27363 **DOI:** 10.1039/d3ra04230h **Published:** SEP 8 2023

Record 395 of 1000

Title: Characterization of Some "Hashish" Samples in the Egyptian Illicit Trafficking Market Using a Thermal Separation Probe and Gas Chromatography-Mass Spectrometry

Author(s): Hassan, SSM (Hassan, Saad S. M.); Kamel, AH (Kamel, Ayman H.); Awwad, NS (Awwad, Nasser S.); Aboterika, AHA (Aboterika, Awaad H. A.)

Source: ACS OMEGA **Volume:** 8 **Issue:** 28 **Pages:** 25378-25384 **DOI:** 10.1021/acsomega.3c02809 **Early Access Date:** JUL 2023 **Published:** JUL 5 2023

Record 396 of 1000

Title: Novel modified ANFIS based fuzzy logic model for performance prediction of FRCM-to-concrete bond strength

Author(s): Liu, L (Liu, Ling); Li, J (Li, Jie); Mohammed, KJ (Mohammed, Khidhair Jasim); Ali, E (Ali, Elimam); Alkhalifah, T (Alkhalifah, Tamim); Alturise, F (Alturise, Fahad); Marzouki, R (Marzouki, Riadh)

Source: ADVANCES IN ENGINEERING SOFTWARE **Volume:** 182 **Article Number:** 103474 **DOI:** 10.1016/j.advengsoft.2023.103474 **Early Access Date:** APR 2023 **Published:** AUG 2023

Record 397 of 1000

Title: Experimental spectral investigations for structural, electronic, topological properties and molecular docking studies of 2-cyclohexylidene hydrazine carboxamide

Author(s): Gangadharan, RP (Gangadharan, Rubarani P.); Saral, A (Saral, A.); Devi, RN (Devi, R. Niranjana); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: JOURNAL OF THE INDIAN CHEMICAL SOCIETY **Volume:** 100 **Issue:** 2 **Article Number:** 100902 **DOI:** 10.1016/j.jics.2023.100902 **Early Access Date:** JAN 2023 **Published:** FEB 2023

Record 398 of 1000

Title: Recent Developments in Zn-Based Biodegradable Materials for Biomedical Applications

Author(s): Hussain, M (Hussain, Muzamil); Ullah, S (Ullah, Sami); Raza, MR (Raza, Muhammad Rafi); Abbas, N (Abbas, Naseem); Ali, A (Ali, Ahsan)

Source: JOURNAL OF FUNCTIONAL BIOMATERIALS **Volume:** 14 **Issue:** 1 **Article Number:** 1 **DOI:** 10.3390/jfb14010001 **Published:** JAN 2023

Record 399 of 1000

Title: Innovative pathways to high-performance glass ceramics: Harnessing nature's treasures with chromium and zirconium nucleation catalyts

Author(s): Shendy, H (Shendy, Hussain); Khater, GA (Khater, G. A.); Shahien, MG (Shahien, Mohamed G.); Ragab, AH (Ragab, Ahmed H.); Hassan, AA (Hassan, Abeer A.); Zayed, AM (Zayed, Ahmed M.)

Source: CONSTRUCTION AND BUILDING MATERIALS **Volume:** 411 **Article Number:** 134745 **DOI:** 10.1016/j.conbuildmat.2023.134745 **Early Access Date:** DEC 2023 **Published:** JAN 12 2024

Record 400 of 1000

Title: Sonocatalytic induced dye degradation and antibacterial performance of SrTiO₃ nanoparticles embedded cotton fabric

Author(s): Kumar, A (Kumar, Amit); Sharma, M (Sharma, Moolchand); Amari, A (Amari, Abdelfattah); Vaish, R (Vaish, Rahul)

Source: ENVIRONMENTAL RESEARCH **Volume:** 240 **Article Number:** 117541 **DOI:** 10.1016/j.envres.2023.117541 **Early Access Date:** NOV 2023 **Part:** 1 **Published:** JAN 1 2024

Record 401 of 1000

Title: Nickel-hydroxide-encapsulated polyacrylamide as a novel adsorptive composite for the capture of methylene blue from wastewater

Author(s): Marey, A (Marey, A.); Adel, M (Adel, Marzouk); El Naggar, AMA (El Naggar, Ahmed M. A.); El-Zahhar, AA (El-Zahhar, Adel A.); Taha, MH (Taha, Mohamed H.)

Source: DALTON TRANSACTIONS **Volume:** 52 **Issue:** 39 **Pages:** 14194-14209 **DOI:** 10.1039/d3dt02696e **Early Access Date:** SEP 2023 **Published:** OCT 10 2023

Record 402 of 1000

Title: SYNTHESIS, PHARMACOLOGICAL EVALUATION, AND MOLECULAR MODELING STUDIES OF NEW ISATIN HYBRIDS AS POTENTIAL ANTICANCER AGENTS

Author(s): Raju, R (Raju, Rajapandi); Chidambaram, K (Chidambaram, Kumarappan); Chandrasekaran, B (Chandrasekaran, Balakumar); Maity, TK (Maity, Tapan Kumar)

Source: PHARMACEUTICAL CHEMISTRY JOURNAL **DOI:** 10.1007/s11094-023-02803-6 **Early Access Date:** JAN 2023

Record 403 of 1000

Title: Structural, optical, electronic, elastic properties and population inversion of novel 2D carbides and nitrides MXene: A DFT study

Author(s): Fatima, J (Fatima, Jaweria); Tahir, MB (Tahir, M. B.); Rehman, A (Rehman, Awais); Sagir, M (Sagir, M.); Rafique, M (Rafique, M.); Assiri, MA (Assiri, Mohammed A.); Imran, M (Imran, Muhammad); Alzaid, M (Alzaid, Meshal)

Source: MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS **Volume:** 289 **Article Number:** 116230 **DOI:** 10.1016/j.mseb.2022.116230 **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 404 of 1000

Title: A phenanthroline-based erbium (III) complex: molecular docking, DNA/BSA -binding and biological evaluation

Author(s): Albaqami, FF (Albaqami, Faisal F.); Sahib, AS (Sahib, Ameer S.); Alharthy, KM (Alharthy, Khalid M.); Altharawi, A (Altharawi, Ali); Alshahrani, MY (Alshahrani, Mohammad Y.); Jawad, MA (Jawad, Mohammed Abed); Suliman, M (Suliman, Muath); Ahmad, I (Ahmad, Irfan)

Source: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS **DOI:** 10.1080/07391102.2023.2300130 **Early Access Date:** DEC 2023

Record 405 of 1000

Title: Investigation of tribo-mechanical performance of alkali treated rice-husk and polypropylene-random-copolymer based biocomposites

Author(s): Rabbani, FA (Rabbani, Fahad Ali); Sulaiman, M (Sulaiman, Muhammad); Tabasum, F (Tabasum, Fatima); Yasin, S (Yasin, Saima); Iqbal, T (Iqbal, Tanveer); Shahbaz, M (Shahbaz, Muhammad); Mujtaba, MA (Mujtaba, M. A.); Bashir, S (Bashir, Shahid); Fayaz, H (Fayaz, H.); Saleel, CA (Saleel, C. Ahamed)

Source: HELIYON **Volume:** 9 **Issue:** 11 **Article Number:** e22028 **DOI:** 10.1016/j.heliyon.2023.e22028 **Early Access Date:** NOV 2023 **Published:** NOV 2023

Record 406 of 1000

Title: Plasmonic nanoparticles doped metal oxide hybrid materials for efficient photocatalytic dye degradation and strong anti-biofilm activity

Author(s): Muthukumar, P (Muthukumar, Pandi); Yuvapriya, D (Yuvapriya, Devarajan); Selvakumar, D (Selvakumar, Duraiyaran); Sri, SN (Sri, Sundaramoorthy Niranjana); Saisubramanian, N (Saisubramanian, Nagarajan); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Anthony, SP (Anthony, Savarimuthu Philip)

Source: MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS **Volume:** 296 **Article Number:** 116688 **DOI:** 10.1016/j.mseb.2023.116688 **Early Access Date:** JUL 2023 **Published:** OCT 2023

Record 407 of 1000

Title: Solvent effect on molecular, electronic parameters, topological analysis and Fukui function evaluation with biological studies of imidazo [1, 2-a] pyridine-8-carboxylic acid

Author(s): Selvakumari, S (Selvakumari, S.); Potla, KM (Potla, Krishna Murthy); Shanthi, D (Shanthi, D.); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 382 **Article Number:** 121863 **DOI:** 10.1016/j.molliq.2023.121863 **Early Access Date:** APR 2023 **Published:** JUL 15 2023

Record 408 of 1000

Title: Evolutionary Computing for the Radiative-Convective Heat Transfer of a Wetted Wavy Fin Using a Genetic Algorithm-Based Neural Network

Author(s): Poornima, BS (Poornima, B. S.); Sarris, IE (Sarris, Ioannis E.); Chandan, K (Chandan, K.); Nagaraja, KV (Nagaraja, K. V.); Kumar, RSV (Kumar, R. S. Varun); Ben Ahmed, S (Ben Ahmed, Samia); Li, S (Li, Shuai)

Source: BIOMIMETICS **Volume:** 8 **Issue:** 8 **Article Number:** 574 **DOI:** 10.3390/biomimetics8080574 **Published:** DEC 2023

Record 409 of 1000

Title: First principles study on the structural, elastic, electronic, optical and thermal properties of lead-free perovskites CsCaX₃(X=F, Cl, Br)

Author(s): Rahman, MA (Rahman, Md. Atikur); Mostari, F (Mostari, Farhana); Hasan, MZ (Hasan, Md. Zahid); Irfan, A (Irfan, Ahmad); Rahman, MF (Rahman, Md. Ferdous); Hosain, MJ (Hosain, Md Joynadul); Mouna, SC (Mouna, Sarah Chaba); Chowdhury, IA (Chowdhury, Iftakher Ahmed); Rasheduzzaman, M (Rasheduzzaman, Md.); Choudhury, MSH (Choudhury, M. S. H.)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 669 **Article Number:** 415260 **DOI:** 10.1016/j.physb.2023.415260 **Published:** NOV 15 2023

Record 410 of 1000

Title: Inorganic novel cubic halide perovskite Sr₃AsI₃: Strain-activated electronic and optical properties

Author(s): Ghosh, A (Ghosh, Avijit); Rahman, MF (Rahman, Md Ferdous); Islam, MR (Islam, Md Rasidul); Islam, MS (Islam, Md Shoriful); Amami, M (Amami, Mongi); Hossain, MK (Hossain, M. Khalid); Ismail, AM (Ismail, Abu Bakar Md)

Source: HELIYON **Volume:** 9 **Issue:** 8 **Article Number:** e19271 **DOI:** 10.1016/j.heliyon.2023.e19271 **Early Access Date:** AUG 2023 **Published:** AUG 2023

Record 411 of 1000

Title: Synthesis of 1-(4-Bromobenzoyl)-1,3-dicyclohexylurea and Its Arylation via Readily Available Palladium Catalyst □ Their Electronic, Spectroscopic, and Nonlinear Optical Studies via a Computational Approach

Author(s): Maqbool, T (Maqbool, Tahir); Younas, H (Younas, Humera); Bilal, M (Bilal, Muhammad); Rasool, N (Rasool, Nasir); Bajaber, MA (Bajaber, Majed A. A.); Mubarik, A (Mubarik, Adeel); Parveen, B (Parveen, Bushra); Ahmad, G (Ahmad, Gulraiz); Shah, SAA (Shah, Syed Adnan Ali)

Source: ACS OMEGA **Volume:** 8 **Issue:** 33 **Pages:** 30306-30314 **DOI:** 10.1021/acsomega.3c03183 **Early Access Date:** AUG 2023 **Published:** AUG 11 2023

Record 412 of 1000

Title: High photocurrent performance of nebulizer sprayed Bi₂S₃ thin films by a novel Cu-La doping strategy

Author(s): Karthika, M (Karthika, M.); Priya, L (Priya, L.); Jenish, SL (Jenish, S. L.); Vinoth, S (Vinoth, S.); Raj, ILP (Raj, I. Loyola Poul); Ganesh, V (Ganesh, V.); Yahia, IS (Yahia, I. S.)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 444 **Article Number:** 114921 **DOI:** 10.1016/j.jphotochem.2023.114921 **Early Access Date:** JUN 2023 **Published:** OCT 1 2023

Record 413 of 1000

Title: Band-gap alteration of Zn₂SnO₄ nanostructures for optical and photo-luminescent applications

Author(s): Bhat, AA (Bhat, Aadil Ahmad); Assadullah, I (Assadullah, Insaaf); Farooq, A (Farooq, Aaliyah); Malik, KA (Malik, Khurshaid Ahmad); Malik, JH (Malik, Javied Hamid); Tomar, R (Tomar, Radha); Islam, I (Islam, Ishtihadah); Ali, AM (Ali, Atif Mossad); Khandy, SA (Khandy, Shakeel Ahmad)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 306 **Article Number:** 127993 **DOI:** 10.1016/j.matchemphys.2023.127993 **Early Access Date:** JUN 2023 **Published:** SEP 15 2023

Record 414 of 1000

Title: Theoretical study on the physical properties of synthesized SrMO₃ (M = Hf and Pt) oxide perovskites using DFT

Author(s): Pasha, AA (Pasha, Amjad Ali); Iqbal, M (Iqbal, Musawer); Khan, H (Khan, Hukam); Sohail, M (Sohail, Mohammad); Rahman, N (Rahman, Nasir); Khan, R (Khan, Rajwali); Khan, AA (Khan, Abid Ali); Alsalmi, OH (Alsalmi, Omar H.); Abduvalieva, D (Abduvalieva, Dilsora); El Jery, A (El Jery, Atef); Adrdery, M (Adrdery, Mouataz)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 37 **Pages:** 26134-26143 **DOI:** 10.1039/d3ra05059a **Published:** AUG 29 2023

Record 415 of 1000

Title: Chitosan grafted polyacrylic acid doped MnO₂ nanocomposite an efficient dye degrader and antimicrobial agent

Author(s): Waqas, M (Waqas, Muhammad); Shahzadi, A (Shahzadi, Anum); Haider, A (Haider, Ali); Ul Hamid, A (Ul Hamid, Anwar); Algaradah, MM (Algaradah, Mohammed M.); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.); Ikram, M (Ikram, Muhammad)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 251 **Article Number:** 126343 **DOI:** 10.1016/j.ijbiomac.2023.126343 **Early Access Date:** AUG 2023 **Published:** NOV 1 2023

Record 416 of 1000

Title: *Panax ginseng* leaf aqueous extract mediated green synthesis of AgNPs under ultrasound condition and investigation of its anti-lung adenocarcinoma effects

Author(s): Ni, JL (Ni, Jingli); Negm, S (Negm, Sally); El-kott, AF (El-kott, Attalla F.); Ghamry, HI (Ghamry, Heba I.); Karmakar, B (Karmakar, Bikash)

Source: OPEN CHEMISTRY **Volume:** 21 **Issue:** 1 **Article Number:** 20230103 **DOI:** 10.1515/chem-2023-0103 **Published:** SEP 5 2023

Record 417 of 1000

Title: Mixture of soya bean and cotton seed residuals for production of activated carbon species as efficient adsorbent in the process of wastewater decontamination via dye disposal

Author(s): Zahran, AI (Zahran, Asmaa I.); El-Zahhar, AA (El-Zahhar, Adel A.); Ahmed, HS (Ahmed, Hoda S.); Masoud, AM (Masoud, Ahmed M.); Alghamdi, MM (Alghamdi, Majed M.); El Naggar, AMA (El Naggar, Ahmed M. A.)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-03941-3 **Early Access Date:** MAR 2023

Record 418 of 1000

Title: Role of solvents in molecular level interaction, reactivity and spectral characterisation of 2-Amino-3-(((E)-4-(dimethylamino)benzylidene)amino) maleonitrile: Anti depressant agent

Author(s): Mishma, JNC (Mishma, J. N. Cheerlin); Jothy, VB (Jothy, V. Bena); Irfan, A (Irfan, Ahmad); Narayana, B (Narayana, B.); Muthu, S (Muthu, S.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 389 **Article Number:** 122937 **DOI:** 10.1016/j.molliq.2023.122937 **Early Access Date:** AUG 2023 **Published:** NOV 1 2023

Record 419 of 1000

Title: Synthesis of Ag-OMS Catalyst for Sunlight-Assisted Photodegradation of Crystal Violet Dye

Author(s): Saeed, M (Saeed, Muhammad); Pecho, RDC (Pecho, Renzon Daniel Cosme); Panchal, S (Panchal, Sandeep); Alhag, SK (Alhag, Sadeq K.); Al-Shuraym, LA (Al-Shuraym, Laila A.); Al Syaad, KM (Al Syaad, Khalid M.); Bhutta, UH (Bhutta, Usman Hanif)

Source: WATER **Volume:** 15 **Issue:** 13 **Article Number:** 2480 **DOI:** 10.3390/w15132480 **Published:** JUL 2023

Record 420 of 1000

Title: Cellular, Molecular, Pharmacological, and Nano-Formulation Aspects of Thymoquinone-A Potent Natural Antiviral Agent

Author(s): Shoaib, A (Shoaib, Ambreen); Javed, S (Javed, Shamama); Wahab, S (Wahab, Shadma); Azmi, L (Azmi, Lubna); Tabish, M (Tabish, Mohammad); Sultan, MH (Sultan, Muhammad H.); Abdelsalam, K (Abdelsalam, Karim); Alqahtani, SS (Alqahtani, Saad S.); Ahmad, MF (Ahmad, Md Faruque)

Source: MOLECULES **Volume:** 28 **Issue:** 14 **Article Number:** 5435 **DOI:** 10.3390/molecules28145435 **Published:** JUL 2023

Record 421 of 1000

Title: Investigation of Thermal Performance of Ternary Hybrid Nanofluid Flow in a Permeable Inclined Cylinder/Plate

Author(s): Madhukesh, JK (Madhukesh, Javali Kotresh); Sarris, IE (Sarris, Ioannis E.); Prasannakumara, BC (Prasannakumara, Ballajja Chandrappa); Abdulrahman, A (Abdulrahman, Amal)

Source: ENERGIES **Volume:** 16 **Issue:** 6 **Article Number:** 2630 **DOI:** 10.3390/en16062630 **Published:** MAR 2023

Record 422 of 1000

Title: Elimination of toxic azo dye using a calcium alginate beads impregnated with NiO/activated carbon: Preparation, characterization and RSM optimization

Author(s): Mokhtar, A (Mokhtar, Adel); Abdelkrim, S (Abdelkrim, Soumia); Boukoussa, B (Boukoussa, Bouhadjar); Hachemaoui, M (Hachemaoui, Mohammed); Djelad, A (Djelad, Amal); Sassi, M (Sassi, Mohammed); Abboud, M (Abboud, Mohamed)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 233 **Article Number:** 123582 **DOI:** 10.1016/j.ijbiomac.2023.123582 **Early Access Date:** FEB 2023 **Published:** APR 1 2023

Record 423 of 1000

Title: Phytocompound screening, antioxidant activity and molecular docking studies of pomegranate seed: a preventive approach for SARS-CoV-2 pathogenesis

Author(s): Ashfaq, F (Ashfaq, Fauzia); Barkat, MA (Barkat, Md. Abul); Ahmad, T (Ahmad, Tanvir); Hassan, MZ (Hassan, Mohd. Zaheen); Ahmad, R (Ahmad, Rumana); Barkat, H (Barkat, Harshita); Khan, MI (Khan, Mohammad Idrees); Alhodieb, FS (Alhodieb, Fahad Saad); Asiri, YI (Asiri, Yahya I.); Siddiqui, S (Siddiqui, Sahabjada)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 17069 **DOI:** 10.1038/s41598-023-43573-1 **Published:** OCT 10 2023

Record 424 of 1000

Title: Antibacterial activity and DNA interaction of triazine iron and ruthenium complexes: spectroscopic, voltammetric and theoretical studies

Author(s): Albaqami, FF (Albaqami, Faisal F.); Sahib, AS (Sahib, Ameer S.); Alharthy, KM (Alharthy, Khalid M.); Altharawi, A (Altharawi, Ali); Alshahrani, MY (Alshahrani, Mohammad Y.); Jawad, MA (Jawad, Mohammed Abed); Suliman, M (Suliman, Muath); Ahmad, I (Ahmad, Irfan)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 42 **Pages:** 29594-29606 **DOI:** 10.1039/d3ra04152b **Published:** OCT 4 2023

Record 425 of 1000

Title: Synthesis, Characterization, Pharmacogenomics, and Molecular Simulation of Pyridinium Type of Ionic Liquids and Their Applications

Author(s): Tamilarasan, R (Tamilarasan, Ramalingam); Ganesan, K (Ganesan, Kilivelu); Subramani, A (Subramani, Annadurai); Ali, LB (Ali, Liyakath Benazir); Alam, MM (Alam, Mohammed Mujahid); Mohammed, A (Mohammed, Amanullah)

Source: ACS OMEGA **DOI:** 10.1021/acsomega.2c07129 **Early Access Date:** JAN 2023

Record 426 of 1000

Title: Imprinted polymer/reduced graphene oxide-modified glassy carbon electrode-based highly sensitive potentiometric sensing module for imidacloprid detection

Author(s): Kamel, AH (Kamel, Ayman H.); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.)

Source: MICROCHEMICAL JOURNAL **Volume:** 197 **Article Number:** 109789 **DOI:** 10.1016/j.microc.2023.109789 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 427 of 1000

Title: Quantum mechanical investigation of the mechanism of Ni(0)-catalyzed cycloaddition reaction of 2-cyclobutanone with alkyne

Author(s): Badawi, MA (Badawi, Mohammad Abd Al-Hakim); Al-Zaben, MI (Al-Zaben, Maha I.); Sotal, A (Sotal, Ahmad); Alzahrani, AY (Alzahrani, Abdullah Y.); Khairbek, A (Khairbek, Ali); Thomas, R (Thomas, Renjith)

Source: ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS **Volume:** 238 **Issue:** 2 **Pages:** 223-237 **DOI:** 10.1515/zpch-2023-0394 **Early Access Date:** DEC 2023 **Published:** FEB 26 2024

Record 428 of 1000

Title: Recent Advances in Antibacterial Metallic Species Supported on Montmorillonite Clay Mineral: A Review

Author(s): Mokhtar, A (Mokhtar, Adel); Ahmed, AB (Ahmed, Abderrazzak Baba); Asli, B (Asli, Boubekeur); Boukoussa, B (Boukoussa, Bouhadjar); Hachemaoui, M (Hachemaoui, Mohammed); Sassi, M (Sassi, Mohamed); Abboud, M (Abboud, Mohamed)

Source: MINERALS **Volume:** 13 **Issue:** 10 **Article Number:** 1268 **DOI:** 10.3390/min13101268 **Published:** OCT 2023

Record 429 of 1000

Title: Microemulsions as potential pesticidal carriers: A review

Author(s): Rana, AS (Rana, Amarah Sultan); Nazeer, M (Nazeer, Misbah); El-Gawad, HHA (El-Gawad, Hala H. Abd); Inam, M (Inam, Mahrukh); Ibrahim, MM (Ibrahim, Mohamed M.); El-Bahy, ZM (El-Bahy, Zeinhom M.); Nazar, MF (Nazar, Muhammad Faizan)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 390 **Article Number:** 122969 **DOI:** 10.1016/j.molliq.2023.122969 **Early Access Date:** SEP 2023 **Part:** A **Published:** NOV 15 2023

Record 430 of 1000

Title: Effect of external static pressure on structural, electronic, and optical properties of 2-D hetero-junction MoS₂ for a photocatalytic applications: A DFT study

Author(s): Jameel, MH (Jameel, Muhammad Hasnain); Roslan, MSB (Roslan, Muhammad Sufi bin); Agam, MAB (Agam, Mohd Arif Bin); Alshahrani, T (Alshahrani, Thamraa); Alshahrani, B (Alshahrani, B.)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 7 **DOI:** 10.1007/s11082-023-04853-2 **Published:** JUL 2023

Record 431 of 1000

Title: Evaluation of heavy metals contamination in cereals, vegetables and fruits with probabilistic health hazard in a highly polluted megacity

Author(s): Proshad, R (Proshad, Ram); Idris, AM (Idris, Abubakr M.)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 32 **Pages:** 79525-79550 **DOI:** 10.1007/s11356-023-27977-0 **Early Access Date:** JUN 2023 **Published:** JUL 2023

Record 432 of 1000

Title: Hydrazonothiazole dyes for enhanced dye-sensitized solar cells in greenhouse applications: Achieving high power conversion efficiency and long-term stability

Author(s): Badawy, SA (Badawy, Safa A.); Abdel-Latif, E (Abdel-Latif, Ehab); Assiri, MA (Assiri, Mohammed A.); Ali, TE (Ali, Tarik E.); Elmorsy, MR (Elmorsy, Mohamed R.)

Source: DYES AND PIGMENTS **Volume:** 217 **Article Number:** 111447 **DOI:** 10.1016/j.dyepig.2023.111447 **Early Access Date:** JUN 2023 **Published:** SEP 2023

Record 433 of 1000

Title: Diclofenac and Meloxicam Exhibited Anti-Virulence Activities Targeting Staphyloxanthin Production in Methicillin-Resistant *Staphylococcus aureus*

Author(s): Elmesseri, RA (Elmesseri, Rana A.); Saleh, SE (Saleh, Sarra E.); Ghobish, SA (Ghobish, Sarah A.); Majrashi, TA (Majrashi, Taghreed A.); Elsherif, HM (Elsherif, Heba M.); Aboshanab, KM (Aboshanab, Khaled M.)

Source: ANTIBIOTICS-BASEL **Volume:** 12 **Issue:** 2 **Article Number:** 277 **DOI:** 10.3390/antibiotics12020277 **Published:** FEB 2023

Record 434 of 1000

Title: Silver-doped lanthanum nickel oxide decorated Ti₃C₂T_x MXene nano-composite (Ag-LaNiO₃/MXene) for advanced photocatalytic waste-water treatment

Author(s): Romman, UE (Romman, Umm E.); Shakir, I (Shakir, Imran); Shaaban, IA (Shaaban, Ibrahim A.); Assiri, MA (Assiri, Mohammed A.); Chaudhary, K (Chaudhary, Khadija); Warsi, MF (Warsi, Muhammad Farooq); Shahid, M (Shahid, Muhammad)

Source: OPTICAL MATERIALS **Volume:** 147 **Article Number:** 114678 **DOI:** 10.1016/j.optmat.2023.114678 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 435 of 1000

Title: Surface-enhanced Raman spectroscopy for characterization of supernatant samples of biofilm forming bacterial strains

Author(s): Naman, A (Naman, Abdul); Tahseen, H (Tahseen, Hira); Nawaz, H (Nawaz, Haq); Majeed, MI (Majeed, Muhammad Irfan); Ali, A (Ali, Aamir); Haque, A (Haque, Asma); Akbar, MU (Akbar, Muhammad Umair); Mehmood, N (Mehmood, Nasir); Nosheen, R (Nosheen, Rashid); Nadeem, S (Nadeem, Sana); Shahzadi, A (Shahzadi, Aqsa); Imran, M (Imran, Muhammad)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 305 **Article Number:** 123414 **DOI:** 10.1016/j.saa.2023.123414 **Early Access Date:** OCT 2023 **Published:** JAN 15 2024

Record 436 of 1000

Title: Dynamics of Corcione nanoliquid on a convectively radiated surface using Al₂O₃ nanoparticles

Author(s): Mishra, NK (Mishra, Nidhish Kumar); Adnan (Adnan); Sarfraz, G (Sarfraz, Ghulfam); Bani-Fwaz, MZ (Bani-Fwaz, Mutasem Z.); Eldin, SM (Eldin, Sayed M.)

Source: JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 148 **Issue:** 20 **Pages:** 11303-11314 **DOI:** 10.1007/s10973-023-12448-y **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 437 of 1000

Title: Facile strategy to fabricate NiTe₂/g-C₃N₄ heterojunction photocatalyst with enhanced visible-light photocatalytic hydrogen production

Author(s): Yuvarani, S (Yuvarani, S.); Kannan, S (Kannan, S.); Saravanan, MER (Saravanan, M. E. Raja); Thamaraiselvan, P (Thamaraiselvan, P.); Shkir, M (Shkir, Mohd.); Algarni, H (Algarni, H.); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 17 **Article Number:** 1342 **DOI:** 10.1007/s10854-023-10706-1 **Published:** JUN 2023

Record 438 of 1000

Title: Design, synthesis, cytotoxic evaluation and molecular docking of novel 1, 3, 4-thiadiazole sulfonamides with azene and coumarin moieties as carbonic anhydrase inhibitors

Author(s): Bondock, S (Bondock, Samir); Albarqi, T (Albarqi, Tallah); Nasr, T (Nasr, Tamer); Mohamed, NM (Mohamed, Nada M.); Abdou, MM (Abdou, Moaz M.)

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 16 **Issue:** 8 **Article Number:** 104956 **DOI:** 10.1016/j.arabjc.2023.104956 **Early Access Date:** MAY 2023 **Published:** AUG 2023

Record 439 of 1000

Title: Glutathione and Esterase Dual-Responsive Smart Nano-drug Delivery System Capable of Breaking the Redox Balance for Enhanced Tumor Therapy

Author(s): Hussain, A (Hussain, Aftab); Kanwal, F (Kanwal, Farah); Irfan, A (Irfan, Ahmad); Hassan, M (Hassan, Mehboob); Zhang, JP (Zhang, Jingping)

Source: ACS OMEGA **Volume:** 8 **Issue:** 17 **Pages:** 15638-15649 **DOI:** 10.1021/acsomega.3c01098 **Early Access Date:** APR 2023 **Published:** MAY 2 2023

Record 440 of 1000

Title: Triquinoxalinylene and benzoquinone based covalent organic framework as robust material for mitigation of environmental pollutants-A theoretical approach

Author(s): Mustafai, A (Mustafai, Aleena); Hussain, A (Hussain, Ajaz); Yar, M (Yar, Muhammad); Hussain, R (Hussain, Riaz); Ayub, K (Ayub, Khurshid); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 391 **Article Number:** 123304 **DOI:** 10.1016/j.molliq.2023.123304 **Early Access Date:** OCT 2023 **Part:** B **Published:** DEC 1 2023

Record 441 of 1000

Title: Computer aided design and evaluation of benzothiadiazole based non-fullerene acceptors for organic solar cells applications

Author(s): Iqbal, M (Iqbal, Muniba); Hussain, A (Hussain, Ajaz); Hussain, R (Hussain, Riaz); Ayub, K (Ayub, Khurshid); Yar, M (Yar, Muhammad); Rasool, F (Rasool, Faiz); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.); Sattar, A (Sattar, Abdul)

Record 442 of 1000

Title: Experimental Investigations on Dual-Fuel Engine Fueled with Tertiary Renewable Fuel Combinations of Biodiesel and Producer-Hydrogen Gas Using Response Surface Methodology

Author(s): Halewadimath, SS (Halewadimath, Sushrut S. S.); Banapurmath, NR (Banapurmath, Nagaraj R. R.); Yaliwal, VS (Yaliwal, V. S.); Gaitonde, VN (Gaitonde, V. N.); Khan, TMY (Khan, T. M. Yunus); Vadlamudi, C (Vadlamudi, Chandramouli); Krishnappa, S (Krishnappa, Sanjay); Sajjan, AM (Sajjan, Ashok M. M.)

Source: SUSTAINABILITY **Volume:** 15 **Issue:** 5 **Article Number:** 4483 **DOI:** 10.3390/su15054483 **Published:** MAR 2023

Record 443 of 1000

Title: Ameliorative Effect of Thymoquinone and Thymoquinone Nanoparticles against Diazinon-Induced Hepatic Injury in Rats: A Possible Protection Mechanism

Author(s): Nassar, WM (Nassar, Walaa M.); El-Kholy, WM (El-Kholy, Wafaa M.); El-Sawi, MR (El-Sawi, Mamdouh R.); El-Shafai, NM (El-Shafai, Nagi M.); Alotaibi, BS (Alotaibi, Badriyah S.); Ghamry, HI (Ghamry, Heba I.); Shukry, M (Shukry, Mustafa)

Source: TOXICS **Volume:** 11 **Issue:** 9 **Article Number:** 783 **DOI:** 10.3390/toxics11090783 **Published:** SEP 2023

Record 444 of 1000

Title: The green synthesis of magnesium oxide nanocomposite-based solid phase for the extraction of arsenic, cadmium, and lead from drinking water

Author(s): Samejo, S (Samejo, Suraya); Baig, JA (Baig, Jameel Ahmed); Kazi, TG (Kazi, Tasneem Gul); Afridi, HI (Afridi, Hassan Imran); Hol, A (Hol, Aysen); Dahshan, A (Dahshan, Alaa); Akhtar, K (Akhtar, Khalil); Solangi, SA (Solangi, Shakoor Ahmed); Perveen, S (Perveen, Saima); Hussain, S (Hussain, Sajjad)

Source: ANALYTICAL METHODS **Volume:** 15 **Issue:** 31 **Pages:** 3863-3873 **DOI:** 10.1039/d3ay00819c **Early Access Date:** JUL 2023 **Published:** AUG 10 2023

Record 445 of 1000

Title: Development and optimization of an eco-friendly geopolymer brick production process for sustainable masonry construction

Author(s): Shilar, FA (Shilar, Fatheali A.); Ganachari, SV (Ganachari, Sharanabasava V.); Patil, VB (Patil, Veerabhadragouda B.); Almakayeel, N (Almakayeel, Naif); Khan, TMY (Khan, T. M. Yunus)

Source: CASE STUDIES IN CONSTRUCTION MATERIALS **Volume:** 18 **Article Number:** e02133 **DOI:** 10.1016/j.cscm.2023.e02133 **Early Access Date:** MAY 2023 **Published:** JUL 2023

Record 446 of 1000

Title: Gilman reagent toward the synthesis of natural products

Author(s): Munir, R (Munir, Ramsha); Zahoor, AF (Zahoor, Ameer Fawad); Nazeer, U (Nazeer, Usman); Saeed, MA (Saeed, Muhammad Athar); Mansha, A (Mansha, Asim); Irfan, A (Irfan, Ahmad); Tariq, MU (Tariq, Muhammad Umair)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 50 **Pages:** 35172-35208 **DOI:** 10.1039/d3ra07359a **Published:** NOV 30 2023

Record 447 of 1000

Title: Enhancing compatibility and properties of polylactic acid/polystyrene (PLA/PS) bioblend for sustainable food packaging: Experimental and quantum computational insights

Author(s): Aouissi, T (Aouissi, Tahar); Baouz, T (Baouz, Touffik); Hellati, A (Hellati, Abdelhak); Zerriouh, A (Zerriouh, Ali); Benaniba, MT (Benaniba, Mohamed Tahar); Benachour, D (Benachour, Djaafar); Hasan, M (Hasan, Mudassir); Benguerba, Y (Benguerba, Yacine)

Source: MATERIALS TODAY COMMUNICATIONS **Volume:** 37 **Article Number:** 107106 **DOI:** 10.1016/j.mtcomm.2023.107106 **Early Access Date:** SEP 2023 **Published:** DEC 2023

Record 448 of 1000

Title: Ameliorative Effect of Ethanolic Extract of *Moringa oleifera* Leaves in Combination with Curcumin against PTZ-Induced Kindled Epilepsy in Rats: In Vivo and In Silico

Author(s): Alam, MN (Alam, Md. Niyaz); Singh, L (Singh, Lubhan); Khan, NA (Khan, Najam Ali); Asiri, YI (Asiri, Yahya I.); Hassan, MZ (Hassan, Mohd. Zaheen); Afzal, O (Afzal, Obaid); Altamimi, ASA (Altamimi, Abdulmalik Saleh)

Alfawaz); Hussain, MS (Hussain, Md. Sarfaraj)

Source: PHARMACEUTICALS **Volume:** 16 **Issue:** 9 **Article Number:** 1223 **DOI:** 10.3390/ph16091223 **Published:** SEP 2023

Record 449 of 1000

Title: Laminar rarefied flow analysis in a microchannel with H₂O-Cu nanofluid: A thermal lattice Boltzmann study

Author(s): Hammid, S (Hammid, Siham); Naima, K (Naima, Khatir); Alqahtani, S (Alqahtani, Sultan); Alshehery, S (Alshehery, Sultan); Oudah, KH (Oudah, Khulood H.); Ikumapayi, OM (Ikumapayi, Omolayo M.); Menni, Y (Menni, Younes)

Source: MODERN PHYSICS LETTERS B **Article Number:** 2450006 **DOI:** 10.1142/S0217984924500064 **Early Access Date:** AUG 2023

Record 450 of 1000

Title: Synthesis, structure characterization, DFT calculations, and computational anticancer activity investigations of 1-phenyl ethanol derivatives

Author(s): Senan, AM (Senan, Ahmed M.); Muhammed, MT (Muhammed, Muhammed Tilahun); Al-Shuraym, LA (Al-Shuraym, Laila A.); Alhag, SK (Alhag, Sadeq K.); Al-Areqi, NAS (Al-Areqi, Niyazi A. S.); Akkoc, S (Akkoc, Senem)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1294 **Article Number:** 136323 **DOI:** 10.1016/j.molstruc.2023.136323 **Early Access Date:** AUG 2023 **Part:** 2 **Published:** DEC 15 2023

Record 451 of 1000

Title: Annealing temperature effect on structural, mechanical, and magnetic properties of Cd_{0.40}M_{0.60}ZnO₂ (M = Mn, Ni) nanocomposites

Author(s): Sedky, A (Sedky, A.); Afify, N (Afify, N.); Omer, M (Omer, Mohamed); Sayed, MA (Sayed, M. A.); Ali, AM (Ali, Atif Mossad); Almohammed, A (Almohammed, Abdullah)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 309 **Article Number:** 128326 **DOI:** 10.1016/j.matchemphys.2023.128326 **Early Access Date:** AUG 2023 **Published:** NOV 1 2023

Record 452 of 1000

Title: Novel Corrosion Inhibitor for Carbon Steel in Acidic Solutions Based on α -Aminophosphonate (Chemical, Electrochemical, and Quantum Studies)

Author(s): Deyab, MA (Deyab, M. A.); Abdeen, MM (Abdeen, Marwa M.); Hussien, M (Hussien, Mohamed); El-Sayed, IE (El-Sayed, Ibrahim E.); Galhoum, A (Galhoum, Ahmed); El-Shamy, OAA (El-Shamy, Omnia A. A.); Abd Elfattah, M (Abd Elfattah, Marwa)

Source: MOLECULES **Volume:** 28 **Issue:** 13 **Article Number:** 4962 **DOI:** 10.3390/molecules28134962 **Published:** JUL 2023

Record 453 of 1000

Title: Structural and magnetic properties of

BaFe_{9.95}Al₂Mg_{0.05}O₁₉ tuned through sintering temperature

Author(s): Asif, SU (Asif, Sana Ullah); Ranjha, QA (Ranjha, Qasim Ali); Ghori, UUR (Ghori, Ubaid-ur-Rehman); Alshammari, BH (Alshammari, Basmah H.); Ahmed, F (Ahmed, Fahim); Nawaz, U (Nawaz, Usman); Ibrahim, FA (Ibrahim, Fatma A.); Hamdy, MS (Hamdy, Mohamed S.)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 6 **Article Number:** 065957 **DOI:** 10.1088/1402-4896/acd729 **Published:** JUN 1 2023

Record 454 of 1000

Title: Synthesis of ESIPT fluorophores with two intramolecular H-bonding functionalities: Reversible mechanofluorochromism and conformation controlled solid state fluorescence efficiency

Author(s): Gayathri, P (Gayathri, Parthasarathy); Ravi, S (Ravi, Sasikala); Karthikeyan, S (Karthikeyan, Subramanian); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1284 **Article Number:** 135429 **DOI:** 10.1016/j.molstruc.2023.135429 **Early Access Date:** MAR 2023 **Published:** JUL 15 2023

Record 455 of 1000

Title: Nanocomposite of nickel benzene-1,3,5-tricarboxylic acid metal organic framework with multiwalled carbon nanotubes: A robust and effective electrocatalyst for oxygen evolution reaction in water splitting

Author(s): Kiran, S (Kiran, Sonia); Jabbour, K (Jabbour, Karam); Yasmeen, G (Yasmeen, Ghazala); Shafiq, Z (Shafiq, Zahid); Abbas, A (Abbas, Amir); Manzoor, S (Manzoor, Sumaira); Hussain, J (Hussain, Javid); Al-Harrasi, A (Al-Harrasi, Ahmed); Bajaber, MA (Bajaber, Majed A. A.); Ragab, AH (Ragab, Ahmed H. H.); Ashiq, MN (Ashiq, Muhammad Naeem)

Source: APPLIED ORGANOMETALLIC CHEMISTRY **DOI:** 10.1002/aoc.7090 **Early Access Date:** APR 2023

Record 456 of 1000

Title: Highly Efficient, Non-Covalent Functionalization of CVD-Graphene via Novel Pyrene-Based Supporter Construct

Author(s): Shahzadi, M (Shahzadi, Misbah); Nisar, S (Nisar, Sobia); Kim, DK (Kim, Deok-Kee); Sarwar, N (Sarwar, Nasir); Rasheed, A (Rasheed, Aamir); Ahmad, W (Ahmad, Waqas); Afzal, AM (Afzal, Amir Muhammad); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed Ali); Shahzad, ZM (Shahzad, Zafar M. M.); Dastgeer, G (Dastgeer, Ghulam)

Source: CHEMOSENSORS **Volume:** 11 **Issue:** 2 **Article Number:** 83 **DOI:** 10.3390/chemosensors11020083 **Published:** FEB 2023

Record 457 of 1000

Title: Enhanced stability and electrochemical properties of lanthanum and cerium co-modified LiVOPO₄ cathode materials for Li-ion batteries

Author(s): Ahsan, Z (Ahsan, Zishan); Cai, ZF (Cai, Zhenfei); Wang, S (Wang, Shuai); Wang, HC (Wang, Haichuan); Ma, YZ (Ma, Yangzhou); Song, GS (Song, Guangsheng); Zhang, SH (Zhang, Shihong); Yang, WD (Yang, Weidong); Imran, M (Imran, Muhammad); Wen, CE (Wen, Cuie)

Source: JOURNAL OF RARE EARTHS **Volume:** 41 **Issue:** 10 **Pages:** 1590-1596 **DOI:** 10.1016/j.jre.2022.09.020 **Early Access Date:** SEP 2023 **Published:** OCT 2023

Record 458 of 1000

Title: Synthesizing and Characterizing a Mesoporous Silica Adsorbent for Post-Combustion CO₂ Capture in a Fixed-Bed System

Author(s): Hasan, HF (Hasan, Hind F.); Al-Sudani, FT (Al-Sudani, Farah T.); Albayati, TM (Albayati, Talib M.); Salih, IK (Salih, Issam K.); Harharah, HN (Harharah, Hamed N.); Majdi, HS (Majdi, Hasan Sh.); Saady, NMC (Saady, Noori M. Cata); Zendejboudi, S (Zendejboudi, Sohrab); Amari, A (Amari, Abdelfattah)

Source: CATALYSTS **Volume:** 13 **Issue:** 9 **Article Number:** 1267 **DOI:** 10.3390/catal13091267 **Published:** SEP 2023

Record 459 of 1000

Title: Recent progress and strategies on the design of catalysts for electrochemical ammonia synthesis from nitrate reduction

Author(s): Song, W (Song, Wei); Yue, LC (Yue, Luchao); Fan, XY (Fan, Xiaoya); Luo, YS (Luo, Yongsong); Ying, BW (Ying, Binwu); Sun, SJ (Sun, Shengjun); Zheng, DD (Zheng, Dongdong); Liu, Q (Liu, Qian); Hamdy, MS (Hamdy, Mohamed S.); Sun, XP (Sun, Xuping)

Source: INORGANIC CHEMISTRY FRONTIERS **Volume:** 10 **Issue:** 12 **Pages:** 3489-3514 **Article Number:** d3qi00554b **DOI:** 10.1039/d3qi00554b **Early Access Date:** MAY 2023 **Published:** JUN 13 2023

Record 460 of 1000

Title: Revisiting the inhibitory potential of protein kinase inhibitors against NEK7 protein via comprehensive computational investigations

Author(s): Ejaz, SA (Ejaz, Syeda Abida); Aziz, M (Aziz, Mubashir); Zafar, Z (Zafar, Zeenat); Akhtar, N (Akhtar, Naveed); Ogaly, HA (Ogaly, Hanan A.)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 4304 **DOI:** 10.1038/s41598-023-31499-7 **Published:** MAR 15 2023

Record 461 of 1000

Title: *Triticum aestivum*: antioxidant gene profiling and morpho-physiological studies under salt stress

Author(s): Ramzan, M (Ramzan, Musarrat); Gillani, M (Gillani, Memoona); Shah, AA (Shah, Anis Ali); Shah, AN (Shah, Adnan Noor); Kauser, N (Kauser, Naheed); Jamil, M (Jamil, Muhammad); Ahmad, RT (Ahmad, Rana Touqeer); Ullah, S (Ullah, Sami)

Source: MOLECULAR BIOLOGY REPORTS **DOI:** 10.1007/s11033-022-07990-1 **Early Access Date:** JAN 2023

Record 462 of 1000

Title: Numerical heat featuring in Blasius/Sakiadis flow of advanced nanofluid under dissipation and convective heat condition effects

Author(s): Adnan (Adnan, Nidhish Kumar); Mishra, NK (Mishra, Nidhish Kumar); Mahmood, I (Mahmood, Ishtiaque); Abbas, W (Abbas, Waseem); Bani-Fwaz, MZ (Bani-Fwaz, Mutasem Z.); Eldin, SM (Eldin, Sayed M.)

Source: ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK **Volume:** 104 **Issue:** 2 **DOI:** 10.1002/zamm.202200622 **Early Access Date:** NOV 2023 **Published:** FEB 2024

Record 463 of 1000

Title: Experimental Investigation and Proposal of Artificial Neural Network Models of Lead and Cadmium Heavy Metal Ion Removal from Water Using Porous Nanomaterials

Author(s): Jery, AE (Jery, Atef El); Aldrdery, M (Aldrery, Moutaz); Ghoudi, N (Ghoudi, Naoufel); Moradi, M (Moradi, Mohammadreza); Ali, IH (Ali, Ismat Hassan); Tizkam, HH (Tizkam, Hussam H.); Sammen, SS (Sammen, Saad Sh.)

Source: SUSTAINABILITY **Volume:** 15 **Issue:** 19 **Article Number:** 14183 **DOI:** 10.3390/su151914183 **Published:** OCT 2023

Record 464 of 1000

Title: Design, Synthesis, Molecular Docking and Cytotoxicity of Stilbene-arylcinnamide Hybrids on A549 Lung Cancer Cells

Author(s): Zaki, NSM (Zaki, Nurain Syazwani Mohd); Kamal, NNSNM (Kamal, Nik Nur Syazni Nik Mohamad); Supratman, U (Supratman, Unang); Harneti, D (Harneti, Desi); Hassan, MZ (Hassan, Mohd. Zaheen); Taib, MNAM (Taib, Mohamad Nurul Azmi Mohamad)

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 27 **Issue:** 16 **Pages:** 1458-1470 **DOI:** 10.2174/0113852728267280231010065610 **Published:** 2023

Record 465 of 1000

Title: Crystal structure, thermal behavior and electric properties of a new semiconductor cobalt-based hybrid material

Author(s): Sidaoui, S (Sidaoui, Soumaya); Ghoudi, A (Ghoudi, Arafet); Oueslati, A (Oueslati, Abderrazek); Raduca, M (Raduca, Mihai); Badea, M (Badea, Mihaela); Andruh, M (Andruh, Marius); Nasr, S (Nasr, Samia); Naili, H (Naili, Houcine); Rekik, W (Rekik, Walid)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1294 **Article Number:** 136394 **DOI:** 10.1016/j.molstruc.2023.136394 **Early Access Date:** AUG 2023 **Part:** 1 **Published:** DEC 15 2023

Record 466 of 1000

Title: Enhancement efficiency delivery of antiviral Molnupiravir-drug via the loading with self-assembly nanoparticles of pycnogenol and cellulose which are decorated by zinc oxide nanoparticles for COVID-19 therapy

Author(s): El-Shafai, NM (El-Shafai, Nagi M.); Mostafa, YS (Mostafa, Yasser S.); Ramadan, MS (Ramadan, Mohamed S.); El-Mehasseb, IM (El-Mehasseb, Ibrahim M.)

Source: BIOORGANIC CHEMISTRY **Volume:** 143 **Article Number:** 107028 **DOI:** 10.1016/j.bioorg.2023.107028 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 467 of 1000

Title: Recent advancements in the performance of MXene and its various composites as an electrode material in asymmetric supercapacitors

Author(s): Alam, S (Alam, Shahid); Fiaz, F (Fiaz, Fizza); Khan, MI (Khan, Muhammad Ishaq); Iqbal, MZ (Iqbal, Muhammad Zahir); Ahmad, Z (Ahmad, Zubair); Hegazy, HH (Hegazy, Hosameldin Helmy)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 961 **Article Number:** 171007 **DOI:** 10.1016/j.jallcom.2023.171007 **Early Access Date:** JUN 2023 **Published:** OCT 25 2023

Record 468 of 1000

Title: Facile fabrication of graphene oxide/zinc selenide nanocomposite for efficient oxygen evolution reaction

Author(s): Hussain, K (Hussain, Khadim); Jabbour, K (Jabbour, Karam); Fawy, KF (Fawy, Khaled Fahmi); Ashiq, MF (Ashiq, Muhammad Faheem); Manzoor, S (Manzoor, Sumaira); Messali, M (Messali, Mouslim); Ashiq, MN (Ashiq, Muhammad Naem)

Source: JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE **Volume:** 17 **Issue:** 1 **Article Number:** 2225028 **DOI:** 10.1080/16583655.2023.2225028 **Published:** DEC 31 2023

Record 469 of 1000

Title: Synthesis, characterization, and enhanced electrochemical behavior of polypyrrole doped ZrO_2 -ZnO electrode materials for supercapacitor applications

Author(s): Zenasni, M (Zenasni, Mounya); Belhadj, H (Belhadj, Hafida); Kiari, M (Kiari, Mohamed); Alelyani, M (Alelyani, Magbool); Alhailiy, AB (Alhailiy, Ali B.); Benyoucef, A (Benyoucef, Abdelghani); Bakkour, Y (Bakkour, Youssef)

Source: FRONTIERS IN ENERGY RESEARCH **Volume:** 11 **Article Number:** 1244699 **DOI:** 10.3389/fenrg.2023.1244699 **Published:** AUG 10 2023

Record 470 of 1000

Title: Utilization of additives in biodiesel blends for improving the diesel engine performance and minimizing emissions through a modified Taguchi approach

Author(s): Rao, BN (Rao, B. Nageswar); Banapurmath, NR (Banapurmath, N. R.); Atgur, V (Atgur, Vinay); Sanjeevannavar, MB (Sanjeevannavar, Mallesh B.); Sajjan, AM (Sajjan, A. M.); Vadlamudi, C (Vadlamudi, Chandramouli); Krishnappa, S (Krishnappa, Sanjay); Khan, TMY (Khan, T. M. Yunus); Ayachit, NH (Ayachit, N. H.)

Source: HELIYON **Volume:** 9 **Issue:** 6 **Article Number:** e16950 **DOI:** 10.1016/j.heliyon.2023.e16950 **Early Access Date:** JUN 2023 **Published:** JUN 2023

Record 471 of 1000

Title: Visible Light-Induced Reactive Yellow 145 Discoloration: Structural and Photocatalytic Studies of Graphene Quantum Dot-Incorporated TiO_2

Author(s): Fatima, SK (Fatima, Syeda Kinza); Ceesay, AS (Ceesay, Ansumana Sangi); Khan, MS (Khan, Muhammad Saqib); Sarwar, R (Sarwar, Rizwana); Bilal, M (Bilal, Muhammad); Uddin, J (Uddin, Jalal); Ul-Hamid, A (Ul-Hamid, Anwar); Khan, A (Khan, Ajmal); Riaz, N (Riaz, Nadia); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: ACS OMEGA **Volume:** 8 **Issue:** 3 **Pages:** 3007-3016 **DOI:** 10.1021/acsomega.2c05805 **Early Access Date:** JAN 2023 **Published:** JAN 24 2023

Record 472 of 1000

Title: Study of phytotoxicity, remarkable photocatalytic activity, recycling process and energy consumption cost of TiO_2 quantum dots photocatalyst for photodegradation of Coomassie brilliant blue R dye

Author(s): Mohamed, WAA (Mohamed, Walied A. A.); El-Gawad, HHA (El-Gawad, Hala H. Abd); Handal, HT (Handal, Hala T.); Galal, HR (Galal, Hoda R.); Mousa, HA (Mousa, Hanan A.); ElSayed, BA (ElSayed, Badr A.); Labib, AA (Labib, Ammar A.); Abdel-Mottaleb, MSA (Abdel-Mottaleb, M. S. A.)

Source: OPTICAL MATERIALS **Volume:** 137 **Article Number:** 113607 **DOI:** 10.1016/j.optmat.2023.113607 **Early Access Date:** FEB 2023 **Published:** MAR 2023

Record 473 of 1000

Title: Bioinspired fabrication of zinc hydroxide-based nanostructure from lignocellulosic biomass *Litchi chinensis* leaves and its efficacy evaluation on antibacterial, antioxidant, and anticancer activity

Author(s): Srivastava, M (Srivastava, Manish); Singh, KR (Singh, Kshitij R. B.); Singh, T (Singh, Tripti); Asiri, M (Asiri, Mohammed); Suliman, M (Suliman, Muath); Sabia, H (Sabia, Haleema); Deen, PR (Deen, Prakash Ranjan); Chaube, R (Chaube, Radha); Singh, J (Singh, Jay)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 253 **Article Number:** 126886 **DOI:** 10.1016/j.ijbiomac.2023.126886 **Early Access Date:** OCT 2023 **Part:** 4 **Published:** DEC 31 2023

Record 474 of 1000

Title: Engineering the optical properties of nickel sulphide thin films by zinc integration for photovoltaic applications

Author(s): Younus, J (Younus, Junaid); Shahzad, W (Shahzad, Warda); Ismail, B (Ismail, Bushra); Fazal, T (Fazal, Tanzeela); Shah, MZ (Shah, Mazloom); Iqbal, S (Iqbal, Shahid); Jawhari, AH (Jawhari, Ahmed Hussain); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 39 **Pages:** 27415-27422 **DOI:** 10.1039/d3ra04011a **Published:** SEP 8 2023

Record 475 of 1000

Title: Predicting the shear strength of concrete beam through ANFIS-GA-PSO hybrid modeling

Author(s): Li, J (Li, Jie); Yan, GX (Yan, Gongxing); Abbud, LH (Abbud, Luay Hashem); Alkhalifah, T (Alkhalifah, Tamim); Alturise, F (Alturise, Fahad); Khadimallah, MA (Khadimallah, Mohamed Amine); Marzouki, R (Marzouki, Riadh)

Source: ADVANCES IN ENGINEERING SOFTWARE **Volume:** 181 **Article Number:** 103475 **DOI:** 10.1016/j.advengsoft.2023.103475 **Early Access Date:** APR 2023 **Published:** OCT 2023

Record 476 of 1000

Title: Eco-friendly synthesized manganese dioxide nanoparticles using *Tridax procumbens* as potent antimicrobial and dye degrading agent

Author(s): Veena, MA (Veena, M. A.); Kumar, CMH (Kumar, C. M. Hemanth); Majani, SS (Majani, Sanjay S.); Munirajappa, NN (Munirajappa, N. N.); Harendra, B (Harendra, Bhavana); Shivamallu, C (Shivamallu, Chandan); Raghavendra, HL (Raghavendra, H. L.); Shati, AA (Shati, Ali A.); Alfaifi, MY (Alfaifi, Mohammad Y.); Elbehairi, SEI (Elbehairi, Serag Eldin I.); Namratha (Namratha); Kollur, SP (Kollur, Shiva Prasad)

Source: RESULTS IN CHEMISTRY **Volume:** 7 **Article Number:** 101290 **DOI:** 10.1016/j.rechem.2023.101290 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 477 of 1000

Title: In-situ growth of binder-free Cr/NiO thin film electrodes via co-sputtering for asymmetric supercapacitors

Author(s): Govindarajan, D (Govindarajan, Durai); Kirubaharan, K (Kirubaharan, Kamalan); Selvaraj, M (Selvaraj, Manickam); Sanni, A (Sanni, Abdulkadeem); Theerthagiri, J (Theerthagiri, Jayaraman); Choi, MY (Choi, Myong Yong); Kheawhom, S (Kheawhom, Soorathep)

Source: APPLIED SURFACE SCIENCE **Volume:** 630 **Article Number:** 157475 **DOI:** 10.1016/j.apsusc.2023.157475 **Early Access Date:** MAY 2023 **Published:** SEP 1 2023

Record 478 of 1000

Title: Enhancement of the physical adsorption of some insoluble lead compounds from drinking water onto polylactic acid and graphene oxide using molybdenum disulfide nanoparticles: Theoretical investigation

Author(s): Mahdhi, N (Mahdhi, Nouredine); Alsaiari, NS (Alsaiari, Norah Salem); Amari, A (Amari, Abdelfattah); Osman, H (Osman, Haitham); Hammami, S (Hammami, Saber)

Source: FRONTIERS IN PHYSICS **Volume:** 11 **Article Number:** 1159306 **DOI:** 10.3389/fphy.2023.1159306 **Published:** APR 18 2023

Record 479 of 1000

Title: Structural, surface morphological and dielectric studies of guanidinium salt incorporated poly (ethylene oxide)/poly (vinyl pyrrolidone) solid polymer electrolytes

Author(s): Pradeep, R (Pradeep, R.); Siva, V (Siva, V.); Jothi, MA (Jothi, M. Anandha); Murugan, A (Murugan, A.); Shameem, A (Shameem, A.); Sanjana, S (Sanjana, S.); Hemnath, E (Hemnath, E.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: HELIYON **Volume:** 10 **Issue:** 1 **Article Number:** e23524 **DOI:** 10.1016/j.heliyon.2023.e23524 **Early Access Date:** DEC 2023 **Published:** JAN 15 2024

Record 480 of 1000

Title: Study of ferromagnetism, and thermoelectric behavior of double perovskites $K_2Z(Cl/Br)_6$ ($Z = Ta, W, Re$) for spintronic, and energy application

Author(s): Mahmood, Q (Mahmood, Q.); Iqbal, F (Iqbal, Farhat); Flemban, TH (Flemban, Tahani H.); Algrafy, E (Algrafy, Eman); Althib, H (Althib, Hind); Ashiq, MGB (Ashiq, M. G. B.); AL-Anazy, MM (AL-Anazy, Murefah mana); Ullah, H (Ullah, Hamid); Rached, A (Rached, Amani); Alqahtani, T (Alqahtani, Tahani); Yousef, E (Yousef, El Sayed); Ghrib, T (Ghrib, T.)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 186 **Article Number:** 111816 **DOI:** 10.1016/j.jpics.2023.111816 **Early Access Date:** DEC 2023 **Published:** MAR 2024

Record 481 of 1000

Title: Can the BeP₂ monolayers be used as anode materials in Ca-ion batteries? justification by DFT study

Author(s): Alabada, R (Alabada, Rusul); Moreano, G (Moreano, Gabriel); Guamán, A (Guaman, Angel); Yadav, A (Yadav, Anupam); Barahona, M (Barahona, Marcos); Viñan, J (Vinan, Janneth); Makrariya, A (Makrariya, Atul); Saadh, MJ (Saadh, Mohamed J.); Elmasry, Y (Elmasry, Yasser)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 159 **Article Number:** 111801 **DOI:** 10.1016/j.inoche.2023.111801 **Early Access Date:** NOV 2023 **Published:** JAN 2024

Record 482 of 1000

Title: Hierarchical flower shaped nano-flakes shaped ZnCo₂S₄@GO for the high performance for asymmetric supercapacitor: Enhanced energy storage applications

Author(s): Deepalakshmi, S (Deepalakshmi, S.); Revathy, MS (Revathy, M. S.); Marnadu, R (Marnadu, R.); AlAbdulaal, TH (AlAbdulaal, Thekayat H.); Shkir, M (Shkir, Mohd)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 158 **Article Number:** 111639 **DOI:** 10.1016/j.inoche.2023.111639 **Early Access Date:** NOV 2023 **Part:** 2 **Published:** DEC 2023

Record 483 of 1000

Title: Virulence Factors and Antimicrobial Resistance of Uropathogenic Escherichia coli EQ101 UPEC Isolated from UTI Patient in Quetta, Balochistan, Pakistan

Author(s): Fatima, S (Fatima, Sareen); Akbar, A (Akbar, Ali); Irfan, M (Irfan, Muhammad); Shafee, M (Shafee, Muhammad); Ali, A (Ali, Amjad); Ishaq, Z (Ishaq, Zaara); Raza, SK (Raza, Syed Kashif); Samad, A (Samad, Abdul); Alshahrani, MY (Alshahrani, Mohammad Y.); Hassan, SS (Hassan, Syed Shah)

Source: BIOMED RESEARCH INTERNATIONAL **Volume:** 2023 **Article Number:** 7278070 **DOI:** 10.1155/2023/7278070 **Published:** SEP 11 2023

Record 484 of 1000

Title: Thermophysical properties prediction of carbon-based nano-enhanced phase change material's using various machine learning methods

Author(s): Gao, YG (Gao, Yuguo); Shigidi, IMTA (Shigidi, Ihab M. T. A.); Ali, MA (Ali, Masood Ashraf); Homod, RZ (Homod, Raad Z.); Safaei, MR (Safaei, Mohammad Reza)

Source: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS **Volume:** 148 **Article Number:** 104662 **DOI:** 10.1016/j.jtice.2022.104662 **Early Access Date:** JUL 2023 **Published:** JUL 2023

Record 485 of 1000

Title: A Novel Curcumin Arginine Salt: A Solution for Poor Solubility and Potential Anticancer Activities

Author(s): Al Fatease, A (Al Fatease, Adel); Shoman, ME (Shoman, Mai E. E.); Abourehab, MAS (Abourehab, Mohammed A. S.); Abou-Taleb, HA (Abou-Taleb, Heba A. A.); Abdelkader, H (Abdelkader, Hamdy)

Source: MOLECULES **Volume:** 28 **Issue:** 1 **Article Number:** 262 **DOI:** 10.3390/molecules28010262 **Published:** JAN 2023

Record 486 of 1000

Title: Developments in mineral carbonation for Carbon sequestration

Author(s): Rashid, MI (Rashid, Muhammad Imran); Yaqoob, Z (Yaqoob, Zahida); Mujtaba, MA (Mujtaba, M. A.); Fayaz, H (Fayaz, H.); Saleel, CA (Saleel, C. Ahamed)

Source: HELIYON **Volume:** 9 **Issue:** 11 **Article Number:** e21796 **DOI:** 10.1016/j.heliyon.2023.e21796 **Early Access Date:** NOV 2023 **Published:** NOV 2023

Record 487 of 1000

Title: Solid-Contact Sensor Based on Molecularly Imprinted Polymers (MIPs) for Direct Potentiometric Assessment of 2,4,6-Trichlorophenol as a Persistent Organic Pollutant

Author(s): Shanaah, HH (Shanaah, Haneen H.); Ameen, Z (Ameen, Zahraa); Jaafar, K (Jaafar, Kawthar); Hefnawy, A (Hefnawy, A.); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.); Kamel, AH (Kamel, Ayman H.)

Source: CHEMELECTROCHEM **Volume:** 10 **Issue:** 16 **DOI:** 10.1002/celc.202300153 **Early Access Date:** JUN 2023 **Published:** AUG 14 2023

Record 488 of 1000

Title: Novel asymmetrical azines appending 1,3,4-thiadiazole sulfonamide: synthesis, molecular structure analyses, *in silico* ADME, and cytotoxic effect

Author(s): Bondock, S (Bondock, Samir); Albarqi, T (Albarqi, Tallah); Shaaban, IA (Shaaban, Ibrahim A.); Abdou, MM (Abdou, Moaz M.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 15 **Pages:** 10353-10366 **DOI:** 10.1039/d3ra00123g **Published:** MAR 27 2023

Record 489 of 1000

Title: Facial One-Pot Synthesis, Characterization, and Photocatalytic Performance of Porous Ceria

Author(s): Atran, AA (Atran, Amal A.); Ibrahim, FA (Ibrahim, Fatma A.); Awwad, NS (Awwad, Nasser S.); Shkir, M (Shkir, Mohd); Hamdy, MS (Hamdy, Mohamed S.)

Source: CATALYSTS **Volume:** 13 **Issue:** 2 **Article Number:** 240 **DOI:** 10.3390/catal13020240 **Published:** FEB 2023

Record 490 of 1000

Title: MgCo₂O₄ nanosheets/NF as a potential electrode with enhanced cycling performance for symmetric supercapacitor

Author(s): Balasubramani, V (Balasubramani, V.); Girija, R (Girija, R.); Muthuvinayagam, M (Muthuvinayagam, M.); Maiz, F (Maiz, F.); Shkir, M (Shkir, Mohd.); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung)

Source: MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS **Volume:** 297 **Article Number:** 116806 **DOI:** 10.1016/j.mseb.2023.116806 **Early Access Date:** AUG 2023 **Published:** NOV 2023

Record 491 of 1000

Title: Carbazole fluorophore with an imidazole/thiazole unit: contrasting stimuli-induced fluorescence switching, water-sensing and deep-blue emission

Author(s): Ravi, S (Ravi, Sasikala); Nithiasri, PR (Nithiasri, P. R.); Karthikeyan, S (Karthikeyan, Subramanian); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 18 **Pages:** 12476-12482 **DOI:** 10.1039/d3ra01897k **Published:** APR 17 2023

Record 492 of 1000

Title: Electron density, charge transfer, solvent effect and molecular spectroscopic studies on 2,2-Dimethyl-N-pyridin-4-yl-propionamide-A potential antioxidant

Author(s): Sumithra, M (Sumithra, M.); Sundaraganesan, N (Sundaraganesan, N.); Rajesh, R (Rajesh, R.); Ilangovan, V (Ilangovan, V.); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: COMPUTATIONAL AND THEORETICAL CHEMISTRY **Volume:** 1223 **Article Number:** 114103 **DOI:** 10.1016/j.comptc.2023.114103 **Early Access Date:** MAR 2023 **Published:** MAY 2023

Record 493 of 1000

Title: Solid adsorbent material: A review on trends of post-combustion CO₂ capture

Author(s): Hasan, HF (Hasan, Hind F.); Al-Sudani, FT (Al-Sudani, Farah T.); Albayati, TM (Albayati, Talib M.); Salih, IK (Salih, Issam K.); Hharah, HN (Hharah, Hamed N.); Majdi, HS (Majdi, Hasan Sh.); Saady, NMC (Saady, Noori M. Cata); Zendejboudi, S (Zendejboudi, Sohrab); Amari, A (Amari, Abdelfattah); Gheni, SA (Gheni, Saba A.)

Source: PROCESS SAFETY AND ENVIRONMENTAL PROTECTION **Volume:** 182 **Pages:** 975-988 **DOI:** 10.1016/j.psep.2023.12.025 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 494 of 1000

Title: Innovating synthesis approaches in advancing electrochemical efficiency: A journey into hydrothermal and sonochemical realms

Author(s): Alam, S (Alam, Shahid); Khan, QZ (Khan, Qamar Zaman); Gassoumi, A (Gassoumi, Abdelaziz); Khan, MI (Khan, Muhammad Ishaq); Iqbal, MZ (Iqbal, Muhammad Zahir); Ahmad, Z (Ahmad, Zubair)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 78 **Article Number:** 109821 **DOI:** 10.1016/j.est.2023.109821 **Early Access Date:** DEC 2023 **Published:** FEB 1 2024

Record 495 of 1000

Title: Role of Zn doping in improving opto-nonlinear and photodetection properties of spray pyrolysis grown Cd_{1-x}Zn_xS nanostructured thin films

Author(s): Khan, ZR (Khan, Z. R.); Alshammari, AS (Alshammari, Abdullah S.); Shkir, M (Shkir, Mohd)

Source: RADIATION PHYSICS AND CHEMISTRY **Volume:** 216 **Article Number:** 111382 **DOI:** 10.1016/j.radphyschem.2023.111382 **Early Access Date:** NOV 2023 **Published:** MAR 2024

Record 496 of 1000

Title: Activated carbon synthesized from Arecanut catechu L. as a sustainable precursor intercalated TiO₂ modified electrode for the detection of fungicide Dichlorophen

Author(s): Pai, AM (Pai, Apoorva M.); Shanbhag, MM (Shanbhag, Mahesh M.); Maiyalagan, T (Maiyalagan, Thandavarayan); Alqarni, SA (Alqarni, Sondos Abdullah); Shetti, NP (Shetti, Nagaraj P.)

Source: DIAMOND AND RELATED MATERIALS **Volume:** 140 **Article Number:** 110561 **DOI:** 10.1016/j.diamond.2023.110561 **Early Access Date:** NOV 2023 **Part:** B **Published:** DEC 2023

Record 497 of 1000

Title: In situ addition WS2 quantum dots on polymer films for white emission LED applications

Author(s): Kumar, BA (Kumar, B. Arjun); Subalakshmi, P (Subalakshmi, P.); Alam, MM (Alam, Mohammed Mujahid); Ramalingam, G (Ramalingam, Gopal); Sangaraju, S (Sangaraju, Sambasivam)

Source: MATERIALS LETTERS **Volume:** 352 **Article Number:** 135135 **DOI:** 10.1016/j.matlet.2023.135135 **Early Access Date:** SEP 2023 **Published:** DEC 1 2023

Record 498 of 1000

Title: RETRACTION: Effects of waste glass and waste marble on mechanical and durability performance of concrete (Retraction of Vol 11, art no 21525, 2021)

Author(s): Ahmad, J (Ahmad, Jawad); Aslam, F (Aslam, Fahid); Martinez-Garcia, R (Martinez-Garcia, Rebeca); de-Prado-Gil, J (de-Prado-Gil, Jesus); Qaidi, SMA (Qaidi, Shaker M. A.); Brahmia, A (Brahmia, Ameni)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 12440 **DOI:** 10.1038/s41598-023-39449-z **Published:** AUG 1 2023

Record 499 of 1000

Title: Insights into the Anticorrosion Performance of *Solanum lyratum* Leaf Extract for Copper in Sulfuric Acid Medium

Author(s): Ouyang, CR (Ouyang, Congrui); Wang, ZQ (Wang, Zhenqiang); Tan, BC (Tan, Bochuan); Brahmia, A (Brahmia, Ameni)

Source: LANGMUIR **Volume:** 39 **Issue:** 19 **Pages:** 6666-6680 **DOI:** 10.1021/acs.langmuir.2c03396 **Early Access Date:** MAY 2023 **Published:** MAY 1 2023

Record 500 of 1000

Title: Rice Straw Waste-Based Biogas Production via Microbial Digestion: A Review

Author(s): Srivastava, M (Srivastava, Manish); Bansal, SL (Bansal, Swarn Lata); Khan, MS (Khan, Mohammad Suhail); Tripathi, SC (Tripathi, Subhash C.); Singh, R (Singh, Rajeev); Rai, AK (Rai, Ashutosh Kumar)

Source: MOLECULAR BIOTECHNOLOGY **DOI:** 10.1007/s12033-023-00904-x **Early Access Date:** OCT 2023

Record 501 of 1000

Title: Synthesis of binary metal doped CeO₂ via the subcritical hydrothermal method for photo-mineralizing methyl orange dye

Author(s): Ishfaq, M (Ishfaq, Muhammad); Aadil, M (Aadil, Muhammad); Ejaz, SR (Ejaz, Syeda Rabia); Hassan, W (Hassan, Warda); Panduro-Tenazoa, NM (Panduro-Tenazoa, Nadia Masaya); El Sayed, ME (El Sayed, Mohamed E.); Murshed, MN (Murshed, Mohammad N.); El-Bahy, ZM (El-Bahy, Zeinoh M.)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 960 **Article Number:** 170661 **DOI:** 10.1016/j.jallcom.2023.170661 **Early Access Date:** MAY 2023 **Published:** OCT 15 2023

Record 502 of 1000

Title: Dysbiosis versus diabetes: Pathological signaling and promising therapeutic strategies

Author(s): Sharma, AK (Sharma, Arun K.); Sharma, A (Sharma, Akash); Lal, S (Lal, Samridhi); Kumar, A (Kumar, Ashish); Yadav, NK (Yadav, Nirjala K.); Tabassum, F (Tabassum, Fauzia); Akhtar, MS (Akhtar, Md. Sayeed); Imam, MT (Imam, Mohammad Tarique); Almalki, ZS (Almalki, Ziyad Saeed); Mukherjee, M (Mukherjee, Monalisa)

Source: DRUG DISCOVERY TODAY **Volume:** 28 **Issue:** 5 **Article Number:** 103558 **DOI:** 10.1016/j.drudis.2023.103558 **Early Access Date:** MAR 2023 **Published:** MAY 2023

Record 503 of 1000

Title: Zinc oxide-tungsten oxide (ZnO-WO₃) composite for solar light-assisted degradation of organic dyes

Author(s): Aziz, F (Aziz, Fatima); Warsi, A (Warsi, Al-Zoha); Somaily, HH (Somaily, Hamoud H.); Din, MI (Din, Muhammad Imran); Sabeeh, H (Sabeeh, Humera); Warsi, MF (Warsi, Muhammad Farooq); Shakir, I (Shakir, Imran)

Source: KOREAN JOURNAL OF CHEMICAL ENGINEERING **Volume:** 40 **Issue:** 6 **Pages:** 1497-1509 **DOI:** 10.1007/s11814-022-1368-9 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 504 of 1000

Title: Strategic nanocarriers to control neurodegenerative disorders: Concept, challenges, and future perspective

Author(s): Ashique, S (Ashique, Sumel); Afzal, O (Afzal, Obaid); Yasmin, S (Yasmin, Sabina); Hussain, A (Hussain, Afzal); Altamimi, MA (Altamimi, Mohammad A.); Webster, TJ (Webster, Thomas J.); Altamimi, ASA (Altamimi, Abdulmalik S. A.)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS **Volume:** 633 **Article Number:** 122614 **DOI:** 10.1016/j.ijpharm.2023.122614 **Early Access Date:** JAN 2023 **Published:** FEB 25 2023

Record 505 of 1000

Title: A qualitative Design and optimization of CIGS-based Solar Cells with Sn2S3 Back Surface Field: A plan for achieving 21.83 % efficiency

Author(s): Rahman, MF (Rahman, Md. Ferdous); Hasan, MK (Hasan, Md. Kamrul); Chowdhury, M (Chowdhury, Mithun); Islam, MR (Islam, Md. Rasidul); Rahman, MH (Rahman, Md. Hafijur); Rahman, MA (Rahman, Md. Atikur); Al Ahmed, SR (Al Ahmed, Sheikh Rashel); Ismail, ABM (Ismail, Abu Bakar Md.); Amami, M (Amami, Mongi); Hossain, MK (Hossain, M. Khalid); Al-Hazmi, GAAM (Al-Hazmi, Gamil A. A. M.)

Source: HELIYON **Volume:** 9 **Issue:** 12 **Article Number:** e22866 **DOI:** 10.1016/j.heliyon.2023.e22866 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 506 of 1000

Title: Leveraging nitrogen occurrence in approved drugs to identify structural patterns

Author(s): Masand, VH (Masand, Vijay H.); Al-Hussain, S (Al-Hussain, Sami); Alzahrani, AY (Alzahrani, Abdullah Y.); El-Sayed, NNE (El-Sayed, Nahed N. E.); Yeo, CI (Yeo, Chien Ing); Tan, YS (Tan, Yee Seng); Zaki, MEA (Zaki, Magdi E. A.)

Source: EXPERT OPINION ON DRUG DISCOVERY **Volume:** 19 **Issue:** 1 **Pages:** 111-124 **DOI:** 10.1080/17460441.2023.2266990 **Early Access Date:** OCT 2023 **Published:** JAN 2 2024

Record 507 of 1000

Title: Molecular insights into the corrosion inhibition mechanism of omeprazole and tinidazole: a theoretical investigation

Author(s): Kaya, S (Kaya, Savas); Lgaz, H (Lgaz, Hassane); Thakkur, A (Thakkur, Abhinay); Kumar, A (Kumar, Ashish); Isin, DÖ (Isin, Dilara oezbakir); Karakus, N (Karakus, Nihat); Ben Ahmed, S (Ben Ahmed, Samia)

Source: MOLECULAR SIMULATION **Volume:** 49 **Issue:** 17 **Pages:** 1632-1646 **DOI:** 10.1080/08927022.2023.2256888 **Early Access Date:** SEP 2023 **Published:** NOV 22 2023

Record 508 of 1000

Title: Review on Mono and Hybrid Nanofluids: Preparation, Properties, Investigation, and Applications in IC Engines and Heat Transfer

Author(s): Bhattad, A (Bhattad, Atul); Atgur, V (Atgur, Vinay); Rao, BN (Rao, Boggarapu Nageswar); Banapurmath, NR (Banapurmath, N. R.); Khan, TMY (Khan, T. M. Yunus); Vadlamudi, C (Vadlamudi, Chandramouli); Krishnappa, S (Krishnappa, Sanjay); Sajjan, AM (Sajjan, A. M.); Shankara, RP (Shankara, R. Prasanna); Ayachit, NH (Ayachit, N. H.)

Source: ENERGIES **Volume:** 16 **Issue:** 7 **DOI:** 10.3390/en16073189 **Published:** APR 2023

Record 509 of 1000

Title: Chemical, biological and *in silico* assessment of date (*P. dactylifera* L.) fruits grown in Ha'il region

Author(s): Alsukaibi, AKD (Alsukaibi, Abdulmohsen Khalaf Dhahi); Alenezi, KM (Alenezi, Khalaf M.); Haque, A (Haque, Ashanul); Ahmad, I (Ahmad, Irfan); Saeed, M (Saeed, Mohd); Verma, M (Verma, Mahima); Ansari, IA (Ansari, Irfan Ahmad); Hsieh, MF (Hsieh, Ming-Fa)

Source: FRONTIERS IN CHEMISTRY **Volume:** 11 **Article Number:** 1138057 **DOI:** 10.3389/fchem.2023.1138057 **Published:** MAR 3 2023

Record 510 of 1000

Title: Molecular modeling of mordant black dye for future applications as visible light harvesting materials with anchors: design and excited state dynamics

Author(s): Hassan, AU (Hassan, Abrar U.); Sumrra, SH (Sumrra, Sajjad H.); Mustafa, G (Mustafa, Ghulam); Zubair, M (Zubair, Muhammad); Mohyuddin, A (Mohyuddin, Abrar); Nkungli, NK (Nkungli, Nyiang K.); Imran, M (Imran, Muhammad)

Source: JOURNAL OF MOLECULAR MODELING **Volume:** 29 **Issue:** 3 **Article Number:** 74 **DOI:** 10.1007/s00894-023-05474-y **Published:** MAR 2023

Record 511 of 1000

Title: A comprehensive physical insight of inclined magnetic field on the flow of generalized Newtonian fluid within a conduit with Homogeneous-heterogeneous reactions

Author(s): Hashim (Hashim); Rehman, S (Rehman, Sohail); Alqahtani, S (Alqahtani, Sultan); Alshehery, S (Alshehery, Sultan); Ben Moussa, S (Ben Moussa, Sana)

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 16 **Issue:** 5 **Article Number:** 104633 **DOI:** 10.1016/j.arabjc.2023.104633 **Early Access Date:** FEB 2023 **Published:** MAY 2023

Record 512 of 1000

Title: Zirconium oxide with graphene oxide anchoring for improved heavy metal ions adsorption: Isotherm and kinetic study

Author(s): Al-Mhyawi, SR (Al-Mhyawi, Saedah R.); Bader, DMD (Bader, D. M. D.); Bajaber, MA (Bajaber, Majed A.); Abd El Dayem, SM (Abd El Dayem, Samia M.); Ragab, AH (Ragab, Ahmed H.); Abd El-Rahem, KA (Abd El-Rahem, Khaled A.); Gado, MA (Gado, Mohamed A.); Atia, BM (Atia, Bahig M.); Cheira, MF (Cheira, Mohamed F.)

Source: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T **Volume:** 22 **Pages:** 3058-3074 **DOI:** 10.1016/j.jmrt.2022.11.121 **Early Access Date:** JAN 2023 **Published:** JAN-FEB 2023

Record 513 of 1000

Title: Pyrimidine-based azo dyes: Synthesis, photophysical investigations, solvatochromism explorations and anti-bacterial activity

Author(s): Mughal, EU (Mughal, Ehsan Ullah); Raja, QA (Raja, Qandeel Alam); Alzahrani, AYA (Alzahrani, Abdullah Yahya Abdullah); Naeem, N (Naeem, Nafeesa); Sadiq, A (Sadiq, Amina); Bozkurt, E (Bozkurt, Ebru)

Source: DYES AND PIGMENTS **Volume:** 220 **Article Number:** 111762 **DOI:** 10.1016/j.dyepig.2023.111762 **Early Access Date:** OCT 2023 **Published:** DEC 2023

Record 514 of 1000

Title: Growth, studies of milled and irradiated crystalline samples of DBNT for macro-phonic and electro-mechano functionalities

Author(s): Meena, M (Meena, M.); SenthilKannan, K (SenthilKannan, K.); Alqahtani, MS (Alqahtani, Mohammed S.); Abbas, M (Abbas, Mohamed)

Source: HELIYON **Volume:** 9 **Issue:** 8 **Article Number:** e19009 **DOI:** 10.1016/j.heliyon.2023.e19009 **Early Access Date:** AUG 2023 **Published:** AUG 2023

Record 515 of 1000

Title: Nanobioremediation: a bacterial consortium-zinc oxide nanoparticle-based approach for the removal of methylene blue dye from wastewater

Author(s): Modi, S (Modi, Shreya); Yadav, VK (Yadav, Virendra Kumar); Amari, A (Amari, Abdelfattah); Osman, H (Osman, Haitham); Igwegbe, CA (Igwegbe, Chinenye Adaobi); Fulekar, MH (Fulekar, M. H.)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 28 **Pages:** 72641-72651 **DOI:** 10.1007/s11356-023-27507-y **Early Access Date:** MAY 2023 **Published:** JUN 2023

Record 516 of 1000

Title: Antiemetic activity of trans-ferulic acid possibly through muscarinic receptors interaction pathway: *In vivo* and *in silico* study

Author(s): Bhuia, MS (Bhuia, Md. Shimul); Kamli, H (Kamli, Hossam); Islam, T (Islam, Tawhida); Sonia, FA (Sonia, Fatema Akter); Kazi, MA (Kazi, Md. Azim); Siam, MSH (Siam, Md. Sajjad Hossain); Rahman, N (Rahman, Naimur); Bappi, MH (Bappi, Mehedi Hasan); Mia, MN (Mia, Md. Nayem); Hossen, MM (Hossen, Md. Munna); Lucetti, DL (Lucetti, Daniel Luna); Oliveira, PLC (Oliveira, Paulo Leonardo Celestino); Coutinho, HDM (Coutinho, Henrique D. M.); Islam, MT (Islam, Muhammad Torequl)

Source: RESULTS IN CHEMISTRY **Volume:** 6 **Article Number:** 101014 **DOI:** 10.1016/j.rechem.2023.101014 **Early Access Date:** JUN 2023 **Published:** DEC 2023

Record 517 of 1000

Title: The photodetection properties of a ruthenium electro-optic device for organic material-based device industry

Author(s): Imer, AG (Imer, Arife Gencer); Dere, A (Dere, Aysegul); Kaya, E (Kaya, Esra); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Dayan, O (Dayan, Osman); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Yakuphanoglu, F (Yakuphanoglu, F.)
Source: OPTICAL MATERIALS **Volume:** 142 **Article Number:** 114085 **DOI:** 10.1016/j.optmat.2023.114085 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 518 of 1000

Title: In-situ fabrication of MoO₃ hexagonal flowers decorated with Co₃O₄ microrods with enhanced photocatalytic activity and stability under visible light irradiation

Author(s): Hussain, MK (Hussain, Muhammad Khalid); Khalid, NR (Khalid, N. R.); Tanveer, M (Tanveer, Muhammad); Iqbal, T (Iqbal, T.); Liaqat, M (Liaqat, Maira); Rahman, S (Rahman, Sultana); Rafique, M (Rafique, M.); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammad A.)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 302 **Article Number:** 127652 **DOI:** 10.1016/j.matchemphys.2023.127652 **Early Access Date:** APR 2023 **Published:** JUL 1 2023

Record 519 of 1000

Title: Impact of ZnO on structural and electrochemical properties of silver spinel ferrites for asymmetric supercapacitors

Author(s): Rehman, AU (Rehman, Atiq Ur); Batool, Z (Batool, Zahra); Ahmad, M (Ahmad, Mukhtar); Iqbal, MW (Iqbal, Muhammad Waqas); ul Haq, A (ul Haq, Ahsan); Hegazy, HH (Hegazy, H. H.)

Source: JOURNAL OF ELECTROANALYTICAL CHEMISTRY **Volume:** 931 **Article Number:** 117206 **DOI:** 10.1016/j.jelechem.2023.117206 **Early Access Date:** FEB 2023 **Published:** FEB 15 2023

Record 520 of 1000

Title: Active sites engineered biomass-carbon as a catalyst for biodiesel production: Process optimization using RSM and life cycle assessment

Author(s): Ao, SPSL (Ao, Supongsena); Gouda, SP (Gouda, Shiva Prasad); Selvaraj, M (Selvaraj, Manickam); Boddula, R (Boddula, Rajender); Al-Qahtani, N (Al-Qahtani, Noora); Mohan, S (Mohan, Sakar); Rokhum, SL (Rokhum, Samuel Lalthazuala)

Source: ENERGY CONVERSION AND MANAGEMENT **Volume:** 300 **Article Number:** 117956 **DOI:** 10.1016/j.enconman.2023.117956 **Early Access Date:** DEC 2023 **Published:** JAN 15 2024

Record 521 of 1000

Title: Studies of the hydrogen energy storage potentials of Fe- and Al-doped silicon carbide nanotubes (SiCNTs) by optical adsorption spectra analysis

Author(s): Itas, YS (Itas, Yahaya Saadu); Razali, R (Razali, Razif); Tata, S (Tata, Salisu); Idris, AM (Idris, Abubakr M.); Khandaker, MU (Khandaker, Mayeen Uddin)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 72 **Article Number:** 108534 **DOI:** 10.1016/j.est.2023.108534 **Early Access Date:** AUG 2023 **Part:** C **Published:** NOV 25 2023

Record 522 of 1000

Title: Biodegradable and hemocompatible alginate/okra hydrogel films with promising stability and biological attributes

Author(s): Saleem, A (Saleem, Aimon); Rehman, R (Rehman, Roeya); Hussain, S (Hussain, Sania); Salem, MA (Salem, Mohamed A.); Ali, F (Ali, Faisal); Shah, SAA (Shah, Sayyed Asim Ali); Younas, U (Younas, Umer); El-Bahy, SM (El-Bahy, Salah M.); El-Bahy, ZM (El-Bahy, Zeinhom M.); Iqbal, M (Iqbal, Munawar)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 245 **Article Number:** 125532 **DOI:** 10.1016/j.ijbiomac.2023.125532 **Early Access Date:** JUN 2023 **Published:** AUG 1 2023

Record 523 of 1000

Title: First record of plastiglomerate and pyroplastic pollution in the world's longest natural beach

Author(s): Rakib, MRJ (Rakib, Md. Refat Jahan); De-la-Torre, GE (De-la-Torre, Gabriel Enrique); Jolly, YN (Jolly, Yeasmin N.); Al Nahian, S (Al Nahian, Sultan); Khan, NI (Khan, Nazrul Islam); Idris, AM (Idris, Abubakr M.)

Source: SCIENCE OF THE TOTAL ENVIRONMENT **Volume:** 891 **Article Number:** 164369 **DOI:** 10.1016/j.scitotenv.2023.164369 **Early Access Date:** MAY 2023 **Published:** SEP 15 2023

Record 524 of 1000

Title: Recent Trends in the Petasis Reaction: A Review of Novel Catalytic Synthetic Approaches with Applications of the Petasis Reaction

Author(s): Saeed, S (Saeed, Sadaf); Munawar, S (Munawar, Saba); Ahmad, S (Ahmad, Sajjad); Mansha, A (Mansha, Asim); Zahoor, AF (Zahoor, Ameer Fawad); Irfan, A (Irfan, Ali); Irfan, A (Irfan, Ahmad); Kotwica-Mojzych, K (Kotwica-Mojzych, Katarzyna); Soroka, M (Soroka, Malgorzata); Glowacka, M (Glowacka, Mariola); Mojzych, M (Mojzych, Mariusz)

Source: MOLECULES **Volume:** 28 **Issue:** 24 **Article Number:** 8032 **DOI:** 10.3390/molecules28248032 **Published:** DEC 2023

Record 525 of 1000

Title: Bioactivity properties of hydroxyapatite/clay nanocomposites

Author(s): Ofudje, EA (Ofudje, Edwin Andrew); Akande, JA (Akande, James Asamu); Sodiya, EF (Sodiya, Ezekiel Folorunso); Ajayi, GO (Ajayi, Gabriel O.); Ademoyegun, AJ (Ademoyegun, Adeniyi John); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Kavil, YN (Kavil, Yasar N.); Bakheet, AM (Bakheet, Ammar M.)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 19896 **DOI:** 10.1038/s41598-023-45646-7 **Published:** NOV 14 2023

Record 526 of 1000

Title: Discovery of Potential Natural STAT3 Inhibitors: An in silico Molecular Docking and Molecular Dynamics Study

Author(s): Gul, S (Gul, Sameena); Muhammad, S (Muhammad, Shabbir); Irfan, M (Irfan, Muhammad); Belali, TM (Belali, Tareg M.); Chaudhry, AR (Chaudhry, Aijaz Rasool); Khan, M (Khan, Muhammad)

Source: JOURNAL OF COMPUTATIONAL BIOPHYSICS AND CHEMISTRY **Volume:** 23 **Issue:** 02 **Pages:** 189-205 **DOI:** 10.1142/S2737416523500588 **Early Access Date:** NOV 2023 **Published:** MAR 2024

Record 527 of 1000

Title: Provenance, weathering, climate and tectonic setting of Padma River sediments, Bangladesh: A geochemical approach

Author(s): Saha, A (Saha, Ayon); Roy, DK (Roy, Dhiman Kumer); Khan, R (Khan, Rahat); Ornee, TI (Ornee, Tahsin Islam); Goswami, S (Goswami, Sukhen); Idris, AM (Idris, Abubakr M.); Biswas, PK (Biswas, Pradip Kumar); Tamim, U (Tamim, Umma)

Source: CATENA **Volume:** 233 **Article Number:** 107485 **DOI:** 10.1016/j.catena.2023.107485 **Early Access Date:** SEP 2023 **Published:** DEC 2023

Record 528 of 1000

Title: Phenyl iodine(III) diacetate (PIDA): Applications in Rearrangement/Migration Reactions

Author(s): Alam, MM (Alam, M. Mujahid); Bollikolla, HB (Bollikolla, Hari Babu); Amanullah, M (Amanullah, Mohammed); Hussein, M (Hussein, Mohamed); Varala, R (Varala, Ravi)

Source: CURRENT ORGANIC CHEMISTRY **Volume:** 27 **Issue:** 2 **Pages:** 93-107 **DOI:** 10.2174/1385272827666230330105241 **Published:** 2023

Record 529 of 1000

Title: A facile approach for the bio-fabrication of monometallic manganese oxide nano-catalyst for enhanced photocatalytic degradation of dyes and drug

Author(s): Afzal, S (Afzal, Sehrish); Shahid, S (Shahid, Sammia); Mansoor, S (Mansoor, Sana); Javed, M (Javed, Mohsin); Mahmood, S (Mahmood, Sajid); Iqbal, S (Iqbal, Shahid); Bahadur, A (Bahadur, Ali); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 158 **Article Number:** 111715 **DOI:** 10.1016/j.inoche.2023.111715 **Early Access Date:** NOV 2023 **Part:** 2 **Published:** DEC 2023

Record 530 of 1000

Title: Chemical assist rapid sonochemical synthesis of Cr doped SnO₂ nanoparticles for the hydrogen gas sensing application

Author(s): Ullah, H (Ullah, Hafeez); Zaman, W (Zaman, Waleed); Ijaz, M (Ijaz, Muhammad); Siyar, M (Siyar, Muhammad); Ullah, S (Ullah, Saeed); Althomali, RH (Althomali, Raed H.); Assiri, MA (Assiri, Mohammed A.); Asif, SU (Asif, Sana Ullah)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 157 **Article Number:** 111351 **DOI:** 10.1016/j.inoche.2023.111351 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 531 of 1000

Title: Antioxidant, Anti-Inflammatory, and Anxiolytic-*Like* Effects of *Urena sinuata* L.: *In Vitro*, *In Vivo*, and *In Silico* Studies

Author(s): Kamli, H (Kamli, Hossam); Bappi, MH (Bappi, Mehedi Hasan); Islam, T (Islam, Tawhida); Hossain, R (Hossain, Rajib); Hossen, MM (Hossen, M. D. Munnaf); Al Faruq, A (Al Faruq, Abdullah); Borges, JAD (Borges, Joao Arthur de Oliveira); Araújo, IM (Araujo, Isaac Moura); de Almeida, RS (de Almeida, Ray Silva); Coutinho, HDM (Coutinho, Henrique Douglas Melo); Tahim, CM (Tahim, Catarina Martins); Lucetti, ECP (Lucetti, Elaine Cristina Pereira); Islam, MT (Islam, Muhammad Torequl)

Source: JOURNAL OF BIOLOGICAL REGULATORS AND HOMEOSTATIC AGENTS **Volume:** 37 **Issue:** 9 **Pages:** 5035-5052 **DOI:** 10.23812/j.biol.regul.homeost.agents.20233709.489 **Published:** SEP 2023

Record 532 of 1000

Title: An innovative approach to synthesize graft copolymerized acetylacetone chitosan/surface functionalized alginate/rutile for efficient Ni(II) uptake from aqueous medium

Author(s): Abed, K (Abed, Khalilullah); Ahmed, E (Ahmed, Ejaz); Shehzad, H (Shehzad, Hamza); Sharif, A (Sharif, Ahsan); Farooqi, ZH (Farooqi, Zahoor H.); Liu, ZR (Liu, Zhiron); Zhou, LM (Zhou, Limin); Ouyang, JB (Ouyang, Jinbo); Begum, R (Begum, Robina); Irfan, A (Irfan, Ahmad); Chaudhry, AR (Chaudhry, Aijaz Rasool); Din, MI (Din, Muhammad Imran)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 243 **Article Number:** 125327 **DOI:** 10.1016/j.ijbiomac.2023.125327 **Early Access Date:** JUN 2023 **Published:** JUL 15 2023

Record 533 of 1000

Title: High-Performance, non-Enzymatic Glucose Sensor Based on Fe and Cu Doped ZnO/rGO Based Nanocomposite

Author(s): Ahmed, S (Ahmed, Shakeel); Ashraf, M (Ashraf, Muhammad); Yousaf, S (Yousaf, Sheraz); Alsafari, IA (Alsafari, Ibrahim A.); Akhtar, M (Akhtar, Mehwish); Shahid, M (Shahid, Muhammad); Somaily, HH (Somaily, H. H.); Warsi, MF (Warsi, Muhammad Farooq)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 297 **Article Number:** 127335 **DOI:** 10.1016/j.matchemphys.2023.127335 **Early Access Date:** JAN 2023 **Published:** MAR 1 2023

Record 534 of 1000

Title: Natural tea extract coated porous MOF nano/microparticles for highly enhanced and selective adsorption of cationic dyes from aqueous medium

Author(s): Arunkumar, G (Arunkumar, Gunasekaran); Deviga, G (Deviga, Govindan); Mariappan, M (Mariappan, Mariappan); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Anthony, SP (Anthony, Savarimuthu Philip)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 394 **Article Number:** 123747 **DOI:** 10.1016/j.molliq.2023.123747 **Early Access Date:** DEC 2023 **Published:** JAN 15 2024

Record 535 of 1000

Title: New supramolecules of bis(acylhydrazones)-linked bisphenol sulfide for Alzheimer's: targeting cholinesterases by *in vitro* and *in silico* approaches

Author(s): Ibrahim, M (Ibrahim, Muhammad); Ali, M (Ali, Mumtaz); Halim, SA (Halim, Sobia Ahsan); Latif, A (Latif, Abdul); Ahmad, M (Ahmad, Manzoor); Ali, S (Ali, Sajid); Khan, A (Khan, Ajmal); Reberio, AI (Reberio, Alany Ingrido); Uddin, J (Uddin, Jalal); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 36 **Pages:** 25379-25390 **DOI:** 10.1039/d3ra03908k **Published:** AUG 21 2023

Record 536 of 1000

Title: Thermal analysis of radiated (aluminum oxide)/water through a magnet based geometry subject to Cattaneo-Christov and Corcione's Models

Author(s): Mishra, NK (Mishra, Nidhish Kumar); Adnan (Adnan); Sohail, MU (Sohail, Muhammed Umer); Bani-Fwaz, MZ (Bani-Fwaz, Mutasem Z.); Hassan, AM (Hassan, Ahmed M.)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 49 **Article Number:** 103390 **DOI:** 10.1016/j.csite.2023.103390 **Early Access Date:** AUG 2023 **Published:** SEP 2023

Record 537 of 1000

Title: Gate-assisted MoSe₂ transistor to detect the streptavidin via supporter molecule engineering

Author(s): Nisar, S (Nisar, Sobia); Dastgeer, G (Dastgeer, Ghulam); Shahzadi, M (Shahzadi, Misbah); Shahzad, ZM (Shahzad, Zafar Muhammad); Elahi, E (Elahi, Ehsan); Irfan, A (Irfan, Ahmad); Eom, J (Eom, Jonghwa); Kim, H (Kim,

Honggyun); Kim, DK (Kim, Deok-kee)

Source: MATERIALS TODAY NANO **Volume:** 24 **Article Number:** 100405 **DOI:** 10.1016/j.mtnano.2023.100405 **Early Access Date:** SEP 2023 **Published:** DEC 2023

Record 538 of 1000

Title: STATISTICAL OPTIMIZATION OF NaOH PRETREATMENT OF PINE NEEDLES USING BOX-BEHNKEN DESIGN FOR BIOETHANOL PRODUCTION

Author(s): Irfan, M (Irfan, Muhammad); Ghazanfar, M (Ghazanfar, Misbah); Shakir, HA (Shakir, Hafiz Abdullah); Khan, M (Khan, Muhammad); Asiri, MAA (Asiri, Mohmmmed Ahmed A.); Ali, S (Ali, Shaukat); Ahmad, I (Ahmad, Irfan); Franco, M (Franco, Marcelo)

Source: CELLULOSE CHEMISTRY AND TECHNOLOGY **Volume:** 57 **Issue:** 9-10 **Pages:** 981-991 **DOI:** 10.35812/CelluloseChemTechnol.2023.57.86 **Published:** SEP-OCT 2023

Record 539 of 1000

Title: Cobalt oxide coupled with graphitic carbon nitride composite heterojunction for efficient Z-scheme photocatalytic environmental pollutants degradation performance

Author(s): Suganthi, S (Suganthi, Sanjeevamuthu); Vignesh, S (Vignesh, Shanmugam); Sundar, JK (Sundar, Jeyaperumal Kalyana); Alqarni, SA (Alqarni, Sondos Abdullah); Pandiaraj, S (Pandiaraj, Saravanan); Oh, TH (Oh, Tae Hwan)

Source: ENVIRONMENTAL RESEARCH **Volume:** 235 **Article Number:** 116574 **DOI:** 10.1016/j.envres.2023.116574 **Early Access Date:** JUL 2023 **Published:** OCT 15 2023

Record 540 of 1000

Title: A Flexible Miniature Antenna for Body-Worn Devices: Design and Transmission Performance

Author(s): Al-Sehemi, A (Al-Sehemi, Abdullah); Al-Ghamdi, A (Al-Ghamdi, Ahmed); Dishovsky, N (Dishovsky, Nikolay); Atanasov, N (Atanasov, Nikolay); Atanasova, G (Atanasova, Gabriela)

Source: MICROMACHINES **Volume:** 14 **Issue:** 3 **Article Number:** 514 **DOI:** 10.3390/mi14030514 **Published:** MAR 2023

Record 541 of 1000

Title: Comprehensive GIS based risk surveillance of organochlorine pesticides (OCPs) in edible fish species of River Chenab, Pakistan

Author(s): Siddique, S (Siddique, Sidra); Chaudhry, MN (Chaudhry, M. Nawaz); Ahmad, SR (Ahmad, Sajid Rashid); Javed, R (Javed, Rimsha); Nazir, R (Nazir, Rabia); Mubarak, S (Mubarak, Shafaq); Alghamdi, HA (Alghamdi, Huda Ahmed); Mahmood, A (Mahmood, Adeel)

Source: SCIENCE OF THE TOTAL ENVIRONMENT **Volume:** 871 **Article Number:** 162084 **DOI:** 10.1016/j.scitotenv.2023.162084 **Early Access Date:** FEB 2023 **Published:** MAY 1 2023

Record 542 of 1000

Title: Tailoring the solar cell efficiency of Y-series based non-fullerene acceptors through end cap modification

Author(s): Iqbal, M (Iqbal, Muniba); Hussain, A (Hussain, Ajaz); Naz, A (Naz, Asma); Hussain, R (Hussain, Riaz); Yar, M (Yar, Muhammad); Ayub, K (Ayub, Khurshid); Gilani, MRHS (Gilani, M. Rehan H. Shah); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 291 **Article Number:** 122322 **DOI:** 10.1016/j.saa.2023.122322 **Early Access Date:** JAN 2023 **Published:** APR 15 2023

Record 543 of 1000

Title: Heterogeneous Co1/P1Mo12O40 single-atom catalyst for CO oxidation via termolecular Eley-Rideal (TER) mechanism

Author(s): Hussain, S (Hussain, Sajjad); Talib, SH (Talib, Shamraiz Hussain); Shahzad, SR (Shahzad, Shafqat Rasool); Muhammad, S (Muhammad, Shabbir); Mohamed, S (Mohamed, Sharmarke); Qurashi, A (Qurashi, Ahsanulhaq); Wang, HY (Wang, Haiyan); Lu, ZS (Lu, Zhansheng)

Source: MOLECULAR CATALYSIS **Volume:** 550 **Article Number:** 113539 **DOI:** 10.1016/j.mcat.2023.113539 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 544 of 1000

Title: Integration of WO₃-Doped MoO₃ with ZnO Photocatalyst for the Removal of 2-Nitrophenol in Natural Sunlight Illumination

Author(s): Mateen, S (Mateen, Sofia); Nawaz, R (Nawaz, Rabia); Qamar, MT (Qamar, Muhammad Tariq); Ali, S (Ali, Shahid); Iqbal, S (Iqbal, Shahid); Aslam, M (Aslam, Mohammad); Raheel, M (Raheel, Muhammad); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.)

Source: CATALYSTS **Volume:** 13 **Issue:** 9 **Article Number:** 1262 **DOI:** 10.3390/catal13091262 **Published:** SEP 2023

Record 545 of 1000

Title: Green synthesis of nickel oxide nanoparticles using *Acacia nilotica* leaf extracts and investigation of their electrochemical and biological properties

Author(s): Hussain, S (Hussain, Shabbir); Muazzam, MA (Ali Muazzam, Muazzam); Ahmed, M (Ahmed, Mahmood); Ahmad, M (Ahmad, Muhammad); Mustafa, Z (Mustafa, Zeeshan); Murtaza, S (Murtaza, Shahzad); Ali, J (Ali, Jigar); Ibrar, M (Ibrar, Muhammad); Shahid, M (Shahid, Muhammad); Imran, M (Imran, Muhammad)

Source: JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE **Volume:** 17 **Issue:** 1 **Article Number:** 2170162 **DOI:** 10.1080/16583655.2023.2170162 **Published:** DEC 31 2023

Record 546 of 1000

Title: Appraisal of long-term responsiveness of normalized difference vegetation index to climatic factors using multiscale time-frequency decomposition in an arid environment

Author(s): Sonia (Sonia, Tathagata); Sunita (Sunita, Abdelfattah); Ghosh, T (Ghosh, Tathagata); Amari, A (Amari, Abdelfattah); Yadav, VK (Yadav, Virendra Kumar); Osman, H (Osman, Haitham); Sahoo, DK (Sahoo, Dipak Kumar); Patel, A (Patel, Ashish)

Source: FRONTIERS IN EARTH SCIENCE **Volume:** 11 **Article Number:** 1265292 **DOI:** 10.3389/feart.2023.1265292 **Published:** OCT 19 2023

Record 547 of 1000

Title: An ab-initio insight computation of structural, electronic and optical properties of Na-doped CsSrF₃ fluoroperovskite for optoelectronic applications

Author(s): Ahmed, B (Ahmed, Bilal); Tahir, MB (Tahir, Muhammad Bilal); Ali, A (Ali, Akmal); Sagir, M (Sagir, Muhammad); Elsaedy, HI (Elsaedy, H. I.); Alrobei, H (Alrobei, Hussein); Alzaid, M (Alzaid, Meshal)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 156 **Article Number:** 111151 **DOI:** 10.1016/j.inoche.2023.111151 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 548 of 1000

Title: A profound analysis of structural, thermal, optical, and electrical properties of Cd₅₀Pb₃₀S₂₀ composition for optoelectronic devices: implications of changes in film's thickness

Author(s): Alqahtani, A (Alqahtani, A.); Alrafai, HA (Alrafai, H. A.); Al-Dossari, M (Al-Dossari, M.); Shaaban, ER (Shaaban, E. R.); Qasem, A (Qasem, Ammar)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 1 **Article Number:** 18 **DOI:** 10.1007/s11082-022-04222-5 **Published:** JAN 2023

Record 549 of 1000

Title: Structural, Bandgap Analysis, Electrical Properties, and Photocatalytic Applications of PMMA/Nd₂O₃ Composite Membranes: Towards Multifunctional Materials for Optoelectronic and Environmental Applications

Author(s): Mohammed, MI (Mohammed, Mervat I.); Yahia, IS (Yahia, Ibrahim S.); Elfiky, D (Elfiky, Dalia); Hesham, N (Hesham, Nourhan); Mosleh, AT (Mosleh, Ahmed T.); Hussien, MSA (Hussien, Mai S. A.)

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **DOI:** 10.1007/s10904-023-02839-x **Early Access Date:** SEP 2023

Record 550 of 1000

Title: Thermo-economic and performance analysis of a novel tubular hybrid high-temperature proton exchange membrane fuel cell and thermoelectric generator

Author(s): Shi, LM (Shi, Lu-min); Alghamdi, A (Alghamdi, Ahmed); Ponnore, JJ (Ponnore, Joffin Jose); Alqahtani, S (Alqahtani, Sultan); Alshehery, S (Alshehery, Sultan); Anqi, AE (Anqi, Ali E.)

Source: APPLIED THERMAL ENGINEERING **Volume:** 235 **Article Number:** 121363 **DOI:** 10.1016/j.applthermaleng.2023.121363 **Early Access Date:** AUG 2023 **Published:** NOV 25 2023

Record 551 of 1000

Title: Kesterite CZTS based thin film solar cell: Generation, recombination, and performance analysis

Author(s): Chauhan, P (Chauhan, Pratibha); Agarwal, S (Agarwal, Surbhi); Srivastava, V (Srivastava, Vaibhava); Sadanand (Sadanand, M. Khalid); Hossain, MK (Hossain, M. Khalid); Pandey, R (Pandey, Rahul); Madan, J (Madan, Jaya); Lohia, P (Lohia, Pooja); Dwivedi, DK (Dwivedi, D. K.); Amami, M (Amami, Mongi)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 183 **Article Number:** 111631 **DOI:** 10.1016/j.jpms.2023.111631 **Early Access Date:** AUG 2023 **Published:** DEC 2023

Record 552 of 1000

Title: Distinct fluorescence state, mechanofluorochromism of terpyridine conjugated fluorophores and the reusable sensing of nitroaromatics in aqueous medium

Author(s): Sivadas, DK (Sivadas, Deepanjaly K.); Gayathri, P (Gayathri, Parthasarathy); Ravi, S (Ravi, Sasikala); Karthikeyan, S (Karthikeyan, Subramanian); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip); Madhu, V (Madhu, Vedichi)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 27 **Pages:** 12770-12778 **DOI:** 10.1039/d3nj01235b **Early Access Date:** JUN 2023 **Published:** JUL 10 2023

Record 553 of 1000

Title: Modeling and Optimal Operating Conditions of Hollow Fiber Membrane for CO₂/CH₄ Separation

Author(s): Jasim, DJ (Jasim, Dheyaa J. J.); Mohammed, TJ (Mohammed, Thamer J. J.); Harharah, HN (Harharah, Hamed N. N.); Harharah, RH (Harharah, Ramzi H. H.); Amari, A (Amari, Abdelfattah); Abid, MF (Abid, Mohammed F. F.)

Source: MEMBRANES **Volume:** 13 **Issue:** 6 **Article Number:** 557 **DOI:** 10.3390/membranes13060557 **Published:** JUN 2023

Record 554 of 1000

Title: Fabrication and characterization of Fe₃O₄@SiO₂-Imine/Thio-Cu(II) nanomaterial as a novel and efficient magnetically reusable catalyst for the synthesis of N-aryl sulfonamides

Author(s): Raya, I (Raya, Indah); Parra, RMR (Parra, Rosario Mireya Romero); Yasin, G (Yasin, Ghulam); Jalil, AT (Jalil, Abduladheem Turki); Muzammil, K (Muzammil, Khursheed)

Source: JOURNAL OF SULFUR CHEMISTRY **Volume:** 44 **Issue:** 5 **Pages:** 559-572 **DOI:** 10.1080/17415993.2023.2200886 **Early Access Date:** APR 2023 **Published:** SEP 3 2023

Record 555 of 1000

Title: Influence of surfactant on the structural, morphological and optical properties of SrWO₄: Insights through electron density distribution analysis

Author(s): Balu, S (Balu, Santhanam); Sivaganesh, D (Sivaganesh, D.); Saravanakumar, S (Saravanakumar, S.); Sivakumar, V (Sivakumar, V.); Kim, JM (Kim, Ji-Man); Kannan, PK (Kannan, Padmanathan Karthick); Ganesh, V (Ganesh, V.)

Source: BULLETIN OF MATERIALS SCIENCE **Volume:** 46 **Issue:** 2 **Article Number:** 62 **DOI:** 10.1007/s12034-023-02896-5 **Published:** MAR 28 2023

Record 556 of 1000

Title: Waste-Extracted Zn and Ag Co-Doped Spent Catalyst-Extracted V₂O₅ for Photocatalytic Degradation of Congo Red Dye: Effect of Metal-Nonmetal Co-Doping

Author(s): Shalaby, NH (Shalaby, Nasser H. H.); Al-Mhyawi, SR (Al-Mhyawi, Saedah R. R.); Ragab, AH (Ragab, Ahmed H. H.); Elmawgoud, HA (Elmawgoud, H. A.); Al-Swat, EA (Al-Swat, Eman A. A.); Al-Thubaiti, NM (Al-Thubaiti, Noha M. M.)

Source: CATALYSTS **Volume:** 13 **Issue:** 3 **Article Number:** 584 **DOI:** 10.3390/catal13030584 **Published:** MAR 2023

Record 557 of 1000

Title: Chromium mediated damaging effects on growth, nitrogen metabolism and chlorophyll synthesis in tomato can be alleviated by foliar application of melatonin and jasmonic acid priming

Author(s): Qin, C (Qin, Cheng); Lian, HD (Lian, Huida); Alqahtani, FM (Alqahtani, Fatmah M.); Ahanger, MA (Ahanger, Mohammad Abass)

Source: SCIENTIA HORTICULTURAE **Volume:** 323 **Article Number:** 112494 **DOI:** 10.1016/j.scienta.2023.112494 **Early Access Date:** SEP 2023 **Published:** JAN 1 2024

Record 558 of 1000

Title: A brush-like Cu₂O-CoO core-shell nanoarray: an efficient bifunctional electrocatalyst for overall seawater splitting

Author(s): Xie, LS (Xie, Lisi); Liu, Q (Liu, Qian); He, X (He, Xun); Luo, YS (Luo, Yongsong); Zheng, DD (Zheng, Dongdong); Sun, SJ (Sun, Shengjun); Farouk, A (Farouk, Asmaa); Hamdy, MS (Hamdy, Mohamed S.); Liu, J (Liu, Jun); Kong, QQ (Kong, Qingquan); Sun, XP (Sun, Xuping)

Source: CHEMICAL COMMUNICATIONS **Volume:** 59 **Issue:** 68 **Pages:** 10303-10306 **DOI:** 10.1039/d3cc02359a **Early Access Date:** JUL 2023 **Published:** AUG 22 2023

Record 559 of 1000

Title: Effect of La₂O₃ Concentration on the Structural, Optical and Radiation-Shielding Behaviors of Titanate Borosilicate Glasses

Author(s): Shaaban, KS (Shaaban, Kh. S.); Alotaibi, BM (Alotaibi, B. M.); Yousef, E (Yousef, El Sayed)

Source: JOURNAL OF ELECTRONIC MATERIALS **Volume:** 52 **Issue:** 6 **Pages:** 3591-3603 **DOI:** 10.1007/s11664-023-10347-4 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 560 of 1000

Title: Hall effects and Cattaneo-Christov heat flux on MHD flow of hybrid nanofluid over a varying thickness stretching surface

Author(s): Ali, A (Ali, Aamir); Khan, HS (Khan, Hajra Safdar); Noor, I (Noor, Ifra); Pasha, AA (Pasha, Amjad Ali); Irshad, K (Irshad, Kashif); Al Mesfer, MK (Al Mesfer, Mohammad K.); Danish, M (Danish, Mohd)

Source: MODERN PHYSICS LETTERS B **DOI:** 10.1142/S0217984924501306 **Early Access Date:** DEC 2023

Record 561 of 1000

Title: Fabrication and characterization of Araucaria gum/calcium alginate composite beads for batch and column adsorption of lead ions

Author(s): Khoj, MA (Khoj, Manal A.); Hassan, AF (Hassan, Asaad F.); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.); Shaltout, WA (Shaltout, Walaa A.)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 255 **Article Number:** 128234 **DOI:** 10.1016/j.ijbiomac.2023.128234 **Early Access Date:** NOV 2023 **Published:** JAN 2024

Record 562 of 1000

Title: Photocatalytic, electrical, and magnetic properties of carbon dots/hexaferrite's composites

Author(s): Khan, K (Khan, Kamran); Jabbour, K (Jabbour, Karam); Batool, Z (Batool, Zahida); Nisa, MU (Nisa, Maher Un); Fawy, KF (Fawy, Khaled Fahmi); Gomez, PH (Gomez, Pablo Hernandez); Ashiq, MN (Ashiq, Muhammad Naeem)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 23 **Pages:** 38855-38865 **DOI:** 10.1016/j.ceramint.2023.09.222 **Early Access Date:** OCT 2023 **Part:** B **Published:** DEC 1 2023

Record 563 of 1000

Title: Design-of-Experiment-Assisted Fabrication of Biodegradable Polymeric Nanoparticles: In Vitro Characterization, Biological Activity, and In Vivo Assessment

Author(s): Mir, MA (Mir, Mushtaq Ahmad); Akhter, MH (Akhter, Md Habban); Afzal, O (Afzal, Obaid); Rab, SO (Rab, Safia Obaidur); Altamimi, ASA (Altamimi, Abdulmalik S. A.); Alossaimi, MA (Alossaimi, Manal A.); Ullah, SNMN (Ullah, Shehla Nasar Mir Najib); Jaremko, M (Jaremko, Mariusz); Emwas, AH (Emwas, Abdul-Hamid); Ahmad, S (Ahmad, Sarfaraz); Alam, N (Alam, Nawazish); Ali, MS (Ali, Md Sajid)

Source: ACS OMEGA **Volume:** 8 **Issue:** 42 **Pages:** 38806-38821 **DOI:** 10.1021/acsomega.3c01153 **Published:** OCT 11 2023

Record 564 of 1000

Title: Synthesis of POM@Porphyrin COF heterogeneous catalyst for oxidative desulfurization of thio compounds

Author(s): Mushtaq, A (Mushtaq, Afshan); Fatima, R (Fatima, Rubab); Shehzad, FK (Shehzad, Farooq Khurum); Ammar, M (Ammar, Muhammad); Shaaban, IA (Shaaban, Ibrahim A.); Assiri, MA (Assiri, Mohammed A.); Sajid, M

(Sajid, Muhammad); Asif, HM (Asif, Hafiz Muhammad); Hussain, S (Hussain, Shahid)

Source: INORGANICA CHIMICA ACTA **Volume:** 558 **Article Number:** 121745 **DOI:** 10.1016/j.ica.2023.121745 **Early Access Date:** SEP 2023 **Published:** DEC 1 2023

Record 565 of 1000

Title: Effect of Nanoparticle Diameter in Maxwell Nanofluid Flow with Thermophoretic Particle Deposition

Author(s): Srilatha, P (Srilatha, Pudhari); Abu-Zinadah, H (Abu-Zinadah, Hanaa); Kumar, RSV (Kumar, Ravikumar Shashikala Varun); Alsulami, MD (Alsulami, M. D.); Kumar, RN (Kumar, Rangaswamy Naveen); Abdulrahman, A (Abdulrahman, Amal); Gowda, RJP (Punith Gowda, Ramanahalli Jayadevamurthy)

Source: MATHEMATICS **Volume:** 11 **Issue:** 16 **Article Number:** 3501 **DOI:** 10.3390/math11163501 **Published:** AUG 2023

Record 566 of 1000

Title: Phenyl versus triazinyl n-Linkers in phenohydrazine, phenoxazine and phenothiazine-based dye-sensitized solar cells: A computational investigation

Author(s): Bouzzine, SM (Bouzzine, Si Mohamed); Abdelaaziz, A (Abdelaaziz, Alioui); Hamidi, M (Hamidi, Mohamed); Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); El-Shishtawy, RM (El-Shishtawy, Reda M.)

Source: MATERIALS TODAY COMMUNICATIONS **Volume:** 38 **Article Number:** 107802 **DOI:** 10.1016/j.mtcomm.2023.107802 **Early Access Date:** DEC 2023 **Published:** MAR 2024

Record 567 of 1000

Title: A novel perspective for M-polynomials to compute molecular descriptors of borophene nanosheet

Author(s): Ismail, R (Ismail, Rashad); Baby, A (Baby, Annmaria); Xavier, DA (Xavier, D. Antony); Varghese, ES (Varghese, Eddith Sarah); Ghani, MU (Ghani, Muhammad Usman); Nair, AT (Nair, A. Theertha); Karamti, H (Karamti, Hanen)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 12016 **DOI:** 10.1038/s41598-023-37637-5 **Published:** JUL 25 2023

Record 568 of 1000

Title: Potential of seaweed biomass: snake venom detoxifying action of brown seaweed *Padina boergesenii* against *Naja naja* venom

Author(s): Venkatesan, K (Venkatesan, Krishnaraju); Sivadasan, D (Sivadasan, Durgaramani); Alghazwani, Y (Alghazwani, Yahia); Asiri, YI (Asiri, Yahya I.); Prabahar, K (Prabahar, Kousalya); Al-Qahtani, A (Al-Qahtani, Ali); Mohamed, JMM (Mohamed, Jamal Moideen Muthu); Khan, NA (Khan, Noohu Abdulla); Krishnaraju, K (Krishnaraju, Kalpana); Paulsamy, P (Paulsamy, Premalatha); Vasudevan, R (Vasudevan, Rajalakshimi); Venkatesan, K (Venkatesan, Kumar)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-03922-6 **Early Access Date:** FEB 2023

Record 569 of 1000

Title: Therapeutic Efficacy of a Formulation Prepared with *Linum usitatissimum* L., *Plantago ovata* Forssk., and Honey on Uncomplicated Pelvic Inflammatory Disease Analyzed with Machine Learning Techniques

Author(s): Qayyum, S (Qayyum, Sana); Sultana, A (Sultana, Arshiya); Heyat, MBB (Heyat, Md Belal Bin); Rahman, K (Rahman, Khaleequr); Akhtar, F (Akhtar, Faijan); Haq, AU (Haq, Amin ul); Alkhamis, BA (Alkhamis, Batool Abdulelah); Alqahtani, MA (Alqahtani, Mohammed Aedh); Gahtani, RM (Gahtani, Reem M.)

Source: PHARMACEUTICS **Volume:** 15 **Issue:** 2 **Article Number:** 643 **DOI:** 10.3390/pharmaceutics15020643 **Published:** FEB 2023

Record 570 of 1000

Title: A novel and economical approach for the synthesis of short rod-shaped mesoporous silica nanoparticles from coal fly ash waste by *Bacillus circulans* MTCC 6811

Author(s): Yadav, VK (Yadav, Virendra Kumar); Amari, A (Amari, Abdelfattah); Mahdhi, N (Mahdhi, Noureddine); Elkhaleefa, AM (Elkhaleefa, Abubakr M.); Fulekar, MH (Fulekar, M. H.); Patel, A (Patel, Ashish)

Source: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY **Volume:** 39 **Issue:** 11 **Article Number:** 289 **DOI:** 10.1007/s11274-023-03734-w **Published:** NOV 2023

Record 571 of 1000

Title: Naphthylacetonitrile isomerism and donor conformational flexibility controlled molecular self-assembly and solid-state fluorescence properties

Author(s): Gayathri, P (Gayathri, Parthasarathy); Ravi, S (Ravi, Sasikala); Karthikeyan, S (Karthikeyan, Subramanian); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Madhu, V (Madhu, Vedichi); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: JOURNAL OF LUMINESCENCE **Volume:** 264 **Article Number:** 120173 **DOI:** 10.1016/j.jlumin.2023.120173 **Early Access Date:** SEP 2023 **Published:** DEC 2023

Record 572 of 1000

Title: Synergistic photocatalytic performance through Z-Scheme charge transfer in organic dye degradation using α -MnO₂ nanorods and Co₃O₄ nanoparticles combined with eggshell derived hydroxyapatite

Author(s): Palanisamy, G (Palanisamy, Govindasamy); Bhuvanewari, K (Bhuvanewari, Kandasamy); Lee, JT (Lee, Jintae); Shkir, M (Shkir, Mohd.); Ebenezer, R (Ebenezer, R.)

Source: COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS **Volume:** 677 **Article Number:** 132300 **DOI:** 10.1016/j.colsurfa.2023.132300 **Early Access Date:** SEP 2023 **Part:** A **Published:** NOV 20 2023

Record 573 of 1000

Title: Green Synthesis of Pristine and Ag-Doped TiO₂ and Investigation of Their Performance as Photoanodes in Dye-Sensitized Solar Cells

Author(s): Sharif, AM (Sharif, Abdul Mohshen); Ashrafuzzaman, M (Ashrafuzzaman, Md.); Kalam, A (Kalam, Abul); Al-Sehemi, AG (Al-Sehemi, Abdullah Godran); Yadav, P (Yadav, Pankaj); Tripathi, B (Tripathi, Brijesh); Dubey, M (Dubey, Mrigendra); Du, GH (Du, Gaohui)

Source: MATERIALS **Volume:** 16 **Issue:** 17 **Article Number:** 5731 **DOI:** 10.3390/ma16175731 **Published:** SEP 2023

Record 574 of 1000

Title: Potential anticancer and antioxidant lauric acid-based hydrazone synthesis and computational study toward the electronic properties

Author(s): Assiri, MA (Assiri, Mohammed A.); Ali, A (Ali, Akbar); Ibrahim, M (Ibrahim, Muhammad); Khan, MU (Khan, Muhammad Usman); Ahmed, K (Ahmed, Khalid); Akash, MSH (Akash, Muhammad Sajid Hamid); Abbas, MA (Abbas, Muhammad Akhtar); Javed, A (Javed, Athar); Suleman, M (Suleman, Muhammad); Khalid, M (Khalid, Muhammad); Hussain, I (Hussain, Ishtiaq)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 31 **Pages:** 21793-21807 **DOI:** 10.1039/d3ra02433d **Published:** JUL 12 2023

Record 575 of 1000

Title: Recent Development of Macrocyclic Compounds as Potential Tool for Cancer Therapy and Diagnosis: A Mini-Review

Author(s): Athar, M (Athar, Mohd); Kongor, A (Kongor, Anita); Patel, D (Patel, Dhaval); Irfan, A (Irfan, Ahmad); Bhatt, K (Bhatt, Keyur)

Source: BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY **Volume:** 13 **Issue:** 3 **Article Number:** 252 **DOI:** 10.33263/BRIAC133.252 **Published:** JUN 15 2023

Record 576 of 1000

Title: Investigation of improved heat transport featuring in dissipative ternary nanofluid over a stretched wavy cylinder under thermal slip

Author(s): Mishra, NK (Mishra, Nidhish Kumar); Alharbi, KAM (Alharbi, Khalid Abdulkhalik M.); Rahman, KU (Rahman, Khaleeq Ur); Adnan (Adnan); Eldin, SM (Eldin, Sayed M.); Bani-Fwaz, MZ (Bani-Fwaz, Mutasem Z.)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 48 **Article Number:** 103130 **DOI:** 10.1016/j.csite.2023.103130 **Early Access Date:** JUN 2023 **Published:** AUG 2023

Record 577 of 1000

Title: Preparation and pulsed fiber laser applications of emerging nanostructured materials

Author(s): Li, M (Li, Min); Hao, YB (Hao, Yabin); Wageh, S (Wageh, Swelm); Al-Hartomy, OA (Al-Hartomy, Omar A.); Kalam, A (Kalam, Abul); Zhang, H (Zhang, Han)

Source: JOURNAL OF MATERIALS CHEMISTRY C **Volume:** 11 **Issue:** 23 **Pages:** 7538-7569 **DOI:** 10.1039/d2tc05265b **Early Access Date:** JUN 2023 **Published:** JUN 15 2023

Record 578 of 1000

Title: Synthesis, structure, and in vitro biological studies of benzothiazole based Schiff base ligand and its binary and ternary Co(III) and Ni(II) complexes

Author(s): Ibrahim, S (Ibrahim, Syed); Naik, N (Naik, Nagaraja); Shivamallu, C (Shivamallu, Chandan); Raghavendra, HL (Raghavendra, H. L.); Shati, AA (Shati, Ali A.); Alfaifi, MY (Alfaifi, Mohammad Y.); Elbehairi, SEI (Elbehairi, Serag Eldin I.); Amachawadi, RG (Amachawadi, Raghavendra G.); Kollur, SP (Kollur, Shiva Prasad)

Source: INORGANICA CHIMICA ACTA **Volume:** 559 **Article Number:** 121792 **DOI:** 10.1016/j.ica.2023.121792 **Early Access Date:** OCT 2023 **Published:** JAN 1 2024

Record 579 of 1000

Title: Single-Step Surface Hydrophilization on Ultrafiltration Membrane with Enhanced Antifouling Property for Pome Wastewater Treatment

Author(s): Abdullah, N (Abdullah, Norfadhilatuladha); Yusof, N (Yusof, Norhaniza); Dahim, MA (Dahim, Mohammed Abdullah); Hamid, MF (Hamid, Muhammad Faris); Jye, LW (Jye, Lau Woei); Jaafar, J (Jaafar, Juhana); Aziz, F (Aziz, Farhana); Salleh, WNW (Salleh, Wan Norhayati Wan); Ismail, AF (Ismail, Ahmad Fauzi); Misdan, N (Misdan, Nurasyikin)

Source: SEPARATIONS **Volume:** 10 **Issue:** 3 **Article Number:** 188 **DOI:** 10.3390/separations10030188 **Published:** MAR 2023

Record 580 of 1000

Title: Synthesis, molecular modeling and antioxidant activity of new thiadiazolyl-triazole analogues

Author(s): Abu-Melha, S (Abu-Melha, Sraa); Azher, OA (Azher, Omer A.); Alaysuy, O (Alaysuy, Omaymah); Alnoman, RB (Alnoman, Rua B.); Abualnaja, MM (Abualnaja, Matokah M.); Althagafi, I (Althagafi, Ismail); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 27 **Issue:** 2 **Article Number:** 101596 **DOI:** 10.1016/j.jscs.2022.101596 **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 581 of 1000

Title: CFD STUDY ON THE EFFECT OF TUBES DIAMETER AND COUNT ON FLOW DISTRIBUTION UNIFORMITY IN A Z DISPOSITION

Author(s): Karali, MA (Karali, Mohamed A.); Alharthi, MA (Alharthi, Mathkar A.); Almohammadi, BA (Almohammadi, Bandar Awadh); Mohamed, MH (Mohamed, Mohamed H.); Refaey, HA (Refaey, Hassanein A.); Abdelmohimen, MAH (Abdelmohimen, Mostafa A. H.); El-Ghany, HAA (El-Ghany, Hytham A. Abd)

Source: THERMAL SCIENCE **Volume:** 27 **Issue:** 5B **Pages:** 4049-4061 **DOI:** 10.2298/TSCI220922049K **Published:** 2023

Record 582 of 1000

Title: Synthesis, molecular modelling and biological evaluation of new 4-aminothiophene and thienopyrimidine compounds

Author(s): Hossan, A (Hossan, Aisha); Alsahag, M (Alsahag, Mansoor); Alisaac, A (Alisaac, Ali); Bamaga, MA (Bamaga, Majid A. A.); Alalawy, AI (Alalawy, Adel I. I.); El-Metwaly, NM (El-Metwaly, Nashwa M. M.)

Source: JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE **Volume:** 17 **Issue:** 1 **Article Number:** 2164993 **DOI:** 10.1080/16583655.2023.2164993 **Published:** DEC 31 2023

Record 583 of 1000

Title: Effect of Cu, Co, and Pb doping on physical properties of ZnO Zinc Blende and Hexagonal mixed phases thin films prepared by spray pyrolysis

Author(s): Aboud, AA (Aboud, Ahmed A.); El-Dosari, M (El-Dosari, M.); Abd El-Gawaad, NS (Abd El-Gawaad, N. S.); Yong, W (Yong, Wang)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 11 **Article Number:** 115922 **DOI:** 10.1088/1402-4896/acfe04 **Published:** NOV 1 2023

Record 584 of 1000

Title: Copper coordination polymer with lattice water molecules and strong electrocatalytic OER activity

Author(s): Muthukumar, P (Muthukumar, Pandi); Arunkumar, G (Arunkumar, Gunasekaran); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: RESULTS IN CHEMISTRY **Volume:** 6 **Article Number:** 101140 **DOI:** 10.1016/j.rechem.2023.101140 **Early Access Date:** OCT 2023 **Published:** DEC 2023

Record 585 of 1000

Title: A computational study for optical and nonlinear optical properties of distinctive V-shaped cyclopenta dithiophene derivatives

Author(s): Muhammad, S (Muhammad, Shabbir); Sarwar, F (Sarwar, Fatima); Alarfaji, SS (Alarfaji, Saleh S. S.); Al-Sehemi, AG (Al-Sehemi, Abdullah G. G.); Adnan, M (Adnan, Muhammad); Kumar, S (Kumar, Santosh); Chaudhry, AR (Chaudhry, Aijaz Rasool)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 10 **Article Number:** 895 **DOI:** 10.1007/s11082-023-05180-2 **Published:** OCT 2023

Record 586 of 1000

Title: Structural vibrational analysis (FT-IR, FT-Raman), electronic studies based on solvents (UV-Vis, non-linear optics, frontier molecular orbitals, molecular electrostatic potential, natural bond orbital and Fukui evaluation) and Hirshfeld surface analysis on 4-chloroacetophenone

Author(s): Vennila, M (Vennila, M.); Rathikha, R (Rathikha, R.); Muthu, S (Muthu, S.); Senthil, A (Senthil, A.); Jeelani, A (Jeelani, A.); Irfan, A (Irfan, Ahmad)

Source: JOURNAL OF THE INDIAN CHEMICAL SOCIETY **Volume:** 100 **Issue:** 2 **Article Number:** 100871 **DOI:** 10.1016/j.jics.2022.100871 **Early Access Date:** JAN 2023 **Published:** FEB 2023

Record 587 of 1000

Title: Influence of aspect on vegetation dynamics: insights into the understory vegetation diversity of the dry temperate forests of South Waziristan Agency, Pakistan

Author(s): Khan, I (Khan, Imran); Zahid, DM (Zahid, Din Muhammad); Zubair, M (Zubair, Muhammad); Manzoor, SA (Manzoor, Syed Amir); Yasin, G (Yasin, Ghulam); Mohammad, MW (Mohammad, Mamoona Wali); Khan, KA (Khan, Khalid Ali); Rahman, SU (Rahman, Shafeeq Ur); Qin, AZ (Qin, Anzhen)

Source: FRONTIERS IN FORESTS AND GLOBAL CHANGE **Volume:** 6 **Article Number:** 1199601 **DOI:** 10.3389/ffgc.2023.1199601 **Published:** NOV 14 2023

Record 588 of 1000

Title: Advance Technologies in Biodegradable Flexible Solid-State Supercapacitors: A Mini Review on Clean and Sustainable Energy

Author(s): Das, HT (Das, Himadri Tanaya); Balaj, TE (Balaj, T. Elango); Mohapatra, S (Mohapatra, Subhashree); Dutta, S (Dutta, Swapnamoy); Das, N (Das, Nigamananda); Assiri, MA (Assiri, Mohammed A.)

Source: CHEMICAL RECORD **Volume:** 24 **Issue:** 1 **Special Issue:** SI **DOI:** 10.1002/tcr.202300226 **Early Access Date:** SEP 2023 **Published:** JAN 2024

Record 589 of 1000

Title: First-principles quantum analysis of promising double perovskites $Z_{2-x}SiF_6$ ($Z = K, Li, Na, Rb$) as prospective light harvesting materials: Optoelectronic, structural and thermodynamic properties

Author(s): Fatima, K (Fatima, Kisa); Abbas, Z (Abbas, Zeesham); Butt, F (Butt, Fabeya); Butt, K (Butt, Komal); Hussain, S (Hussain, Sajjad); Ali, A (Ali, Ahsan); Muhammad, S (Muhammad, Shabbir); Algarni, H (Algarni, H.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY **Volume:** 123 **Issue:** 18 **Article Number:** e27179 **DOI:** 10.1002/qua.27179 **Early Access Date:** JUN 2023 **Published:** SEP 15 2023

Record 590 of 1000

Title: An anticounterfeiting strategy based on photochromic nonwoven polyester fabric by plasma-assisting spray coating with ultraviolet-responsive silica@strontium aluminate nanoparticles

Author(s): Al-Ahmed, ZA (Al-Ahmed, Zehbah A.); Alzahrani, SO (Alzahrani, Seraj Omar); AlJohani, AKB (AlJohani, Ahmed K. B.); Obaid, NA (Obaid, Najla A.); Alkhamis, K (Alkhamis, Kholood); Alqahtani, AM (Alqahtani, Alaa M.); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: APPLIED ORGANOMETALLIC CHEMISTRY **Volume:** 37 **Issue:** 4 **DOI:** 10.1002/aoc.7035 **Early Access Date:** FEB 2023 **Published:** APR 2023

Record 591 of 1000

Title: Design, Transport/Molecular Scale Electronics, Electric Properties, and a Conventional Quantum Study of a New Potential Molecular Switch for Nanoelectronic Devices

Author(s): Hadi, H (Hadi, Hamid); Gassoumi, B (Gassoumi, Bouzid); Nasr, S (Nasr, Samia); Safari, R (Safari, Reza); Basha, AA (Basha, A. Aathif); Imran, PM (Imran, Predhanekar Mohamed); Ghalla, H (Ghalla, Houcine); Caccamo, MT (Caccamo, Maria Teresa); Ayachi, S (Ayachi, Sahbi)

Source: ACS OMEGA **Volume:** 9 **Issue:** 1 **Pages:** 1029-1041 **DOI:** 10.1021/acsomega.3c07257 **Published:** DEC 28 2023

Record 592 of 1000

Title: Nanosilver-doped carbon quantum dots for industrialization of efficacious textiles with superior UV-resistance and antimicrobial performance

Author(s): Alzahrani, SO (Alzahrani, Seraj Omar); Al-Ghamdi, SA (Al-Ghamdi, S. A.); Alshahag, M (Alshahag, Mansoor); Alatawi, K (Alatawi, Kahdr); Alaysuy, O (Alaysuy, Omaymah); Al-Ahmed, ZA (Al-Ahmed, Zehbah A.); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: DIAMOND AND RELATED MATERIALS **Volume:** 138 **Article Number:** 110249 **DOI:** 10.1016/j.diamond.2023.110249 **Early Access Date:** JUL 2023 **Published:** OCT 2023

Record 593 of 1000

Title: Photoluminescence Emission Studies on a Lanthanum-Doped Lead Free Double Halide Perovskite, La:Cs₂SnCl₆

Author(s): Bhat, AA (Bhat, Aadil Ahmad); Khandy, SA (Khandy, Shakeel Ahmad); Ali, AM (Ali, Atif Mossad); Tomar, R (Tomar, Radha)

Source: JOURNAL OF PHYSICAL CHEMISTRY LETTERS **Volume:** 14 **Issue:** 21 **Pages:** 5004-5012 **DOI:** 10.1021/acs.jpcllett.3c00522 **Early Access Date:** MAY 2023 **Published:** MAY 24 2023

Record 594 of 1000

Title: Yield and Chemical Composition of Ginger Essential Oils as Affected by Inter-Varietal Variation and Drying Treatments of Rhizome

Author(s): Kamal, GM (Kamal, Ghulam Mustafa); Nazi, N (Nazi, Nafia); Sabir, A (Sabir, Asma); Saqib, M (Saqib, Muhammad); Zhang, X (Zhang, Xu); Jiang, B (Jiang, Bin); Khan, J (Khan, Jallat); Noreen, A (Noreen, Ayesha); Uddin, J (Uddin, Jalal); Murtaza, S (Murtaza, Shahzad)

Source: SEPARATIONS **Volume:** 10 **Issue:** 3 **Article Number:** 186 **DOI:** 10.3390/separations10030186 **Published:** MAR 2023

Record 595 of 1000

Title: Enhancement in photo response of spray deposited Yttrium doped Bi₂S₃ thin films

Author(s): Shkir, M (Shkir, Mohd.); Alshahrani, T (Alshahrani, Thamraa)

Source: SENSORS AND ACTUATORS A-PHYSICAL **Volume:** 351 **Article Number:** 114169 **DOI:** 10.1016/j.sna.2023.114169 **Early Access Date:** JAN 2023 **Published:** MAR 1 2023

Record 596 of 1000

Title: Recent advances in electrocatalytic ammonia synthesis

Author(s): Ouyang, L (Ouyang, Ling); Liang, J (Liang, Jie); Luo, YS (Luo, Yongsong); Zheng, DD (Zheng, Dongdong); Sun, SJ (Sun, Shengjun); Liu, Q (Liu, Qian); Hamdy, MS (Hamdy, Mohamed S.); Sun, XP (Sun, Xuping); Ying, BW (Ying, Binwu)

Source: CHINESE JOURNAL OF CATALYSIS **Volume:** 50 **Pages:** 6-44 **DOI:** 10.1016/S1872-2067(23)64464-X **Early Access Date:** AUG 2023 **Published:** JUL 2023

Record 597 of 1000

Title: Three-dimensional porous Co foam with nanosheets subunits for high-performance electrocatalytic nitrate-to-ammonia conversion

Author(s): Chen, J (Chen, Jie); He, X (He, Xun); Li, J (Li, Jun); Li, XH (Li, Xiuhong); Cai, ZW (Cai, Zhengwei); Luo, YS (Luo, Yongsong); Zheng, DD (Zheng, Dongdong); Li, TS (Li, Tingshuai); Wang, Y (Wang, Yan); Liu, Q (Liu, Qian); Sun, SJ (Sun, Shengjun); Farouk, A (Farouk, Asmaa); Hamdy, MS (Hamdy, Mohamed S. S.); Sun, XP (Sun, Xuping); Ying, BW (Ying, Binwu)

Source: INORGANIC CHEMISTRY FRONTIERS **Volume:** 10 **Issue:** 15 **Pages:** 4450-4455 **DOI:** 10.1039/d3qi00718a **Early Access Date:** JUL 2023 **Published:** JUL 25 2023

Record 598 of 1000

Title: One-pot achievement of La₂O₃/MnO₂ nanocomposites as efficient electrodes for asymmetric supercapacitors

Author(s): Karthikeyan, S (Karthikeyan, S.); Sathya, P (Sathya, P.); Chandran, MR (Chandran, M. Robert); Srisuvetha, VT (Srisuvetha, V. T.); Shkir, M (Shkir, Mohd.); Massoud, EE (Massoud, Ehab El Sayed)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 5 **DOI:** 10.1007/s10854-023-09848-z **Published:** FEB 2023

Record 599 of 1000

Title: Comprehensive analysis of novel cubic HgCrO₃ perovskite: a first principles, structural, thermodynamic, and magnetic properties study for spintronic applications

Author(s): Khan, J (Khan, Junaid); Al-Anazy, MM (Al-Anazy, Murefah Mana); Yousef, E (Yousef, El Sayed); Datta, D (Datta, D.); Sharma, R (Sharma, Ramesh); Moayad, AJA (Moayad, A. J. A.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 48 **Pages:** 33603-33612 **DOI:** 10.1039/d3ra06392e **Published:** NOV 16 2023

Record 600 of 1000

Title: Zero-dimensional luminescent carbon dots as fascinating analytical tools for the treatment of pharmaceutical based contaminants in aqueous media

Author(s): Rasheed, T (Rasheed, Tahir); Anwar, MT (Anwar, Muhammad Tuoqeer); Ferry, DB (Ferry, Darim Badur); Ali, A (Ali, Amjad); Imran, M (Imran, Muhammad)

Source: ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY **Volume:** 10 **Issue:** 1 **Pages:** 12-28 **DOI:** 10.1039/d3ew00220a **Early Access Date:** OCT 2023 **Published:** DEC 21 2023

Record 601 of 1000

Title: Hierarchical NiCo@NiOOH@CoMoO₄ Core-Shell Heterostructure on Carbon Cloth for High-Performance Asymmetric Supercapacitors

Author(s): Akbar, AR (Akbar, Abdul Rehman); Peng, GQ (Peng, Gangqiang); Li, YY (Li, Yongyi); Iqbal, R (Iqbal, Rashid); Saleem, A (Saleem, Adil); Wang, GH (Wang, Guohong); Khan, AS (Khan, Abdul Sammed); Ali, M (Ali, Mumtaz); Tahir, M (Tahir, Muhammad); Assiri, MA (Assiri, Mohammed A.); Ali, G (Ali, Ghaffar); Liu, FD (Liu, Fude)

Source: SMALL **Volume:** 19 **Issue:** 44 **DOI:** 10.1002/sml.202304686 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 602 of 1000

Title: Synthesis and Computational Exploration of Morpholine Bearing Halogenated Sulfonamides as Potential Tyrosinase Inhibitors

Author(s): Abbasi, MA (Abbasi, Muhammad Athar); Raza, H (Raza, Hussain); Aziz-ur-Rehman (Aziz-ur-Rehman, Sabahat Zahra); Siddiqui, SZ (Siddiqui, Sabahat Zahra); Muhammad, S (Muhammad, Shabbir); Khan, FM (Khan, Farhan Mehmood); Shah, SAA (Shah, Syed Adnan Ali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Kim, SJ (Kim, Song Ja)

Source: CHEMISTRY & BIODIVERSITY **Volume:** 20 **Issue:** 9 **DOI:** 10.1002/cbdv.202300257 **Early Access Date:** SEP 2023 **Published:** SEP 2023

Record 603 of 1000

Title: Advancements in asymmetric supercapacitors: Material selection, mechanisms, and breakthroughs with metallic oxides, sulfides, and phosphates

Author(s): Alam, S (Alam, Shahid); Khan, MI (Khan, Muhammad Ishaq); Fiaz, F (Fiaz, Fizza); Iqbal, MZ (Iqbal, Muhammad Zahir); Alam, F (Alam, Faiz); Ahmad, Z (Ahmad, Zubair); Hegazy, HH (Hegazy, Hosameldin Helmy)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 72 **Article Number:** 108208 **DOI:** 10.1016/j.est.2023.108208 **Early Access Date:** JUL 2023 **Part:** A **Published:** NOV 15 2023

Record 604 of 1000

Title: Comparative photocatalytic study of visible light driven BiVO₄, Cu₂O, and Cu₂O/BiVO₄ nanocomposite for degradation of antibiotic for wastewater treatment

Author(s): Liaqat, M (Liaqat, Maira); Iqbal, T (Iqbal, Tahir); Ashfaq, Z (Ashfaq, Zain); Afsheen, S (Afsheen, Sumera); Khan, RRM (Mahmood Khan, Rana Rashad); Sayed, MA (Sayed, M. A.); Ali, AM (Ali, Atif Mossad)

Source: JOURNAL OF CHEMICAL PHYSICS **Volume:** 159 **Issue:** 20 **Article Number:** 204704 **DOI:** 10.1063/5.0176106 **Published:** NOV 28 2023

Record 605 of 1000

Title: Generalized viscoelastic flow with thermal radiations and chemical reactions

Author(s): Anwar, MS (Anwar, Muhammad Shoaib); Alam, MM (Alam, Mohammad Mahtab); Khan, MA (Khan, Meraj Ali); Abouzied, AS (Abouzied, Amr S.); Hussain, Z (Hussain, Zakir); Puneeth, V (Puneeth, V.)

Source: GEOENERGY SCIENCE AND ENGINEERING **Volume:** 232 **Article Number:** 212442 **DOI:** 10.1016/j.geoen.2023.212442 **Early Access Date:** NOV 2023 **Part:** B **Published:** JAN 2024

Record 606 of 1000

Title: Bionanofabrication of Cupric oxide catalyst from Water hyacinth based carbohydrate and its impact on cellulose deconstructing enzymes production under solid state fermentation

Author(s): Singh, R (Singh, Rajeev); Singh, P (Singh, Pardeep); Ahmad, I (Ahmad, Irfan); Alkathami, AG (Alkathami, Ali G.); Rai, AK (Rai, Ashutosh Kumar); Mishra, PK (Mishra, P. K.); Singh, RP (Singh, Ravindra Pratap); Srivastava, N (Srivastava, Neha)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 252 **Article Number:** 126377 **DOI:** 10.1016/j.ijbiomac.2023.126377 **Early Access Date:** SEP 2023 **Published:** DEC 1 2023

Record 607 of 1000

Title: Unveiling the luminescence of α -Zn₂SiO₄ phosphor: Profound influence of sintering temperatures

Author(s): Diana, P (Diana, P.); Sebastian, S (Sebastian, S.); Sivaganesh, D (Sivaganesh, D.); Raj, CSA (Raj, C. S. A.); Jacob, SSK (Jacob, S. Santhosh Kumar); AlAbdulaal, TH (AlAbdulaal, T. H.); Shkir, M (Shkir, Mohd)

Source: RADIATION PHYSICS AND CHEMISTRY **Volume:** 212 **Article Number:** 111156 **DOI:** 10.1016/j.radphyschem.2023.111156 **Early Access Date:** JUL 2023 **Published:** NOV 2023

Record 608 of 1000

Title: Applying MCM-48 mesoporous material, equilibrium, isotherm, and mechanism for the effective adsorption of 4-nitroaniline from wastewater

Author(s): Ali, NS (Ali, Nisreen S.); Harharah, HN (Harharah, Hamed N.); Salih, IK (Salih, Issam K.); Saady, NMC (Saady, Noori M. Cata M.); Zendejboudi, S (Zendejboudi, Sohrab); Albayati, TM (Albayati, Talib M.)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 9837 **DOI:** 10.1038/s41598-023-37090-4 **Published:** JUN 17 2023

Record 609 of 1000

Title: Coloration and antibacterial treatment of aramid fabric: a comprehensive review

Author(s): Mia, R (Mia, Rony); Habib, S (Habib, Sania); Assiri, MA (Assiri, Mohammed A.); Liu, HH (Liu, Huihong); Mahmud, S (Mahmud, Sakil)

Source: SURFACE INNOVATIONS **Volume:** 12 **Issue:** 3-4 **Pages:** 130-146 **DOI:** 10.1680/jsuin.23.00065 **Early Access Date:** NOV 2023 **Published:** OCT 27 2023

Record 610 of 1000

Title: Anthracene-naphthylacetonitrile fluorescent isomers and Cl/H substituent dependent molecular packing, solid-state fluorescence and mechanofluorochromism

Author(s): Ravi, S (Ravi, Sasikala); Priyadharshini, P (Priyadharshini, Prakash); Karthikeyan, S (Karthikeyan, Subramanian); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Madhu, V (Madhu, Vedichi); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: CRYSTENGCOMM **Volume:** 25 **Issue:** 45 **Pages:** 6303-6309 **DOI:** 10.1039/d3ce00718a **Early Access Date:** OCT 2023 **Published:** NOV 20 2023

Record 611 of 1000

Title: Structural and catalytic investigations of the novel carbon foam composites containing double hybrid nano reinforcements

Author(s): Aslam, MA (Aslam, Muhammad Azeem); Zhang, LF (Zhang, Lefang); Liu, X (Liu, Xin); Zhang, P (Zhang, Ping); Xu, YM (Xu, Yimei); Li, N (Li, Na); Ragab, AH (Ragab, Ahmed H.); Khan, I (Khan, Idrees); Khan, M (Khan, Muhammad)

Source: DIAMOND AND RELATED MATERIALS **Volume:** 139 **Article Number:** 110314 **DOI:** 10.1016/j.diamond.2023.110314 **Early Access Date:** AUG 2023 **Published:** NOV 2023

Record 612 of 1000

Title: The Impact of Different Green Synthetic Routes on the Photocatalytic Potential of FeSnO₂ for the Removal of Methylene Blue and Crystal Violet Dyes under Natural Sunlight Exposure

Author(s): Shaukat, A (Shaukat, Arifa); Farrukh, MA (Farrukh, Muhammad Akhyar); Chong, KK (Chong, Kok-Keong); Nawaz, R (Nawaz, Rabia); Qamar, MT (Qamar, Muhammad Tariq); Iqbal, S (Iqbal, Shahid); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.)

Source: CATALYSTS **Volume:** 13 **Issue:** 7 **Article Number:** 1135 **DOI:** 10.3390/catal13071135 **Published:** JUL 2023

Record 613 of 1000

Title: Engineering the physical properties of CdS thin films through incorporation of Fe dopant for photodetector applications

Author(s): Shkir, M (Shkir, Mohd); Alshahrani, T (Alshahrani, Thamraa)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 177 **Article Number:** 111282 **DOI:** 10.1016/j.jpcs.2023.111282 **Early Access Date:** FEB 2023 **Published:** JUN 2023

Record 614 of 1000

Title: The Impact of TPA Auxiliary Donor and the π -Linkers on the Performance of Newly Designed Dye-Sensitized Solar Cells: Computational Investigation

Author(s): Bouzzine, SM (Bouzzine, Si Mohamed); Abdelaziz, A (Abdelaziz, Alioui); Hamidi, M (Hamidi, Mohamed); Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); Zayed, MEM (Zayed, Mohie E. M.); El-Shishtawy, RM (El-Shishtawy, Reda M.)

Source: MATERIALS **Volume:** 16 **Issue:** 4 **Article Number:** 1611 **DOI:** 10.3390/ma16041611 **Published:** FEB 2023

Record 615 of 1000

Title: In Silico Study on the Interactions, Molecular Docking, Dynamics and Simulation of Potential Compounds from *Withania somnifera* (L.) Dunal Root against Cancer by Targeting KAT6A

Author(s): Deshpande, SH (Deshpande, Sanjay H.); Bin Muhsinah, A (Bin Muhsinah, Abdullatif); Bagewadi, ZK (Bagewadi, Zabin K.); Ankad, GM (Ankad, Gireesh M.); Mahnashi, MH (Mahnashi, Mater H.); Yaraguppi, DA (Yaraguppi, Deepak A.); Shaikh, IA (Shaikh, Ibrahim Ahmed); Khan, AA (Khan, Aejaz Abdullatif); Hegde, HV (Hegde, Harsha V.); Roy, S (Roy, Subarna)

Source: MOLECULES **Volume:** 28 **Issue:** 3 **Article Number:** 1117 **DOI:** 10.3390/molecules28031117 **Published:** FEB 2023

Record 616 of 1000

Title: Unconventional Reservoir Characterization and Formation Evaluation: A Case Study of a Tight Sandstone Reservoir in West Africa

Author(s): Gharavi, A (Gharavi, Amir); Abbas, KA (Abbas, Karrar A.); Hassan, MG (Hassan, Mohamed G.); Haddad, M (Haddad, Malik); Ghoochaninejad, H (Ghoochaninejad, Hesam); Alasmar, R (Alasmar, Reham); Al-Saegh, S (Al-Saegh, Salam); Yousefi, P (Yousefi, Paria); Shigidi, I (Shigidi, Ihab)

Source: ENERGIES **Volume:** 16 **Issue:** 22 **Article Number:** 7572 **DOI:** 10.3390/en16227572 **Published:** NOV 2023

Record 617 of 1000

Title: Unsteady flow of a ternary nanofluid over a slow-rotating disk subject to uniform suction and backpropagated neural network

Author(s): Kumar, RSV (Kumar, R. S. Varun); Kumar, RN (Kumar, R. Naveen); Ben Ahmed, S (Ben Ahmed, Samia); Madhu, J (Madhu, J.); Verma, A (Verma, Anjali); Gowda, RJP (Gowda, R. J. Punith)

Source: NUMERICAL HEAT TRANSFER PART B-FUNDAMENTALS **DOI:** 10.1080/10407790.2023.2269610 **Early Access Date:** OCT 2023

Record 618 of 1000

Title: Screening of food allergens in cereals using real-time PCR Depistage des allergenes alimentaires dans les cereales par PCR en temps reel

Author(s): Jabeen, U (Jabeen, U.); Ali, A (Ali, A.); Ullah, S (Ullah, S.); Mushtaque, R (Mushtaque, R.); Naqvi, SWH (Naqvi, S. W. H.); Uddin, J (Uddin, J.); Khan, A (Khan, A.); Al-Harrasi, A (Al-Harrasi, A.)

Source: REVUE FRANCAISE D ALLERGOLOGIE **Volume:** 63 **Issue:** 4 **Article Number:** 103620 **DOI:** 10.1016/j.reval.2023.103620 **Early Access Date:** MAR 2023 **Published:** MAY 2023

Record 619 of 1000

Title: Applications of phenyliodine(III) diacetate in heterocyclic ring formations: An update from 2015 to date

Author(s): Alam, MM (Alam, Mohammed Mujahid); Hussien, M (Hussien, Mohamed); Bollikolla, HB (Bollikolla, Hari Babu); Seema, V (Seema, Vittal); Dubasi, N (Dubasi, Narsimhaswamy); Amanullah, M (Amanullah, Mohammed); Varala, R (Varala, Ravi)

Source: JOURNAL OF HETEROCYCLIC CHEMISTRY **Volume:** 60 **Issue:** 8 **Pages:** 1326-1355 **DOI:** 10.1002/jhet.4627 **Early Access Date:** FEB 2023 **Published:** AUG 2023

Record 620 of 1000

Title: High-Efficiency Electroreduction of Nitrite to Ammonia on Ni Nanoparticles Struttred 3D Honeycomb-Like Porous Carbon Framework

Author(s): Li, XH (Li, Xiuhong); He, X (He, Xun); Yao, J (Yao, Jie); Dong, K (Dong, Kai); Hu, L (Hu, Long); Chen, J (Chen, Jie); Zhang, LC (Zhang, Longcheng); Fan, XY (Fan, Xiaoya); Cai, ZW (Cai, Zhengwei); Sun, SJ (Sun, Shengjun); Zheng, DD (Zheng, Dongdong); Hamdy, MS (Hamdy, Mohamed S.); Liu, Q (Liu, Qian); Luo, YL (Luo, Yonglan); Liao, YW (Liao, Yunwen); Sun, XP (Sun, Xuping)

Source: CHEMSUSCHEM **DOI:** 10.1002/cssc.202300505 **Early Access Date:** JUL 2023

Record 621 of 1000

Title: Structural, optical and electronic properties of novel 2D carbides and nitrides MXene based Materials: A DFT study

Author(s): Fatima, J (Fatima, Jawaria); Tahir, MB (Tahir, M. B.); Rehman, MA (Rehman, M. Awais); Assiri, MA (Assiri, Mohammed A.); Imran, M (Imran, Muhammad); Alzaid, M (Alzaid, Meshal); Alrobei, H (Alrobei, Hussein)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 7 **Article Number:** 576 **DOI:** 10.1007/s11082-023-04803-y **Published:** JUL 2023

Record 622 of 1000

Title: Calcium Nanoparticles Induce Oxidative Stress in Erythrocytes, Neurotoxicity and Testicular Toxicity in Albino Rats (*Rattus norvegicus*)

Author(s): Ullah, A (Ullah, Ahsan); Al-Saeed, FA (Al-Saeed, Fatimah A.); Abdullallah, AM (Abdullallah, Alduwish Manal); Ahmed, AE (Ahmed, Ahmed Ezzat); Shahzad, A (Shahzad, Asim); Amjad, N (Amjad, Nouman); Ali, A (Ali, Arooj); Mostafa, MS (Mostafa, Mohamed S.); Hussain, R (Hussain, Riaz)

Source: PAKISTAN VETERINARY JOURNAL **Volume:** 43 **Issue:** 2 **Pages:** 241-247 **DOI:** 10.29261/pakvetj/2023.036 **Published:** 2023

Record 623 of 1000

Title: Carbonic anhydrase inhibitory activity of phthalimide-capped benzene sulphonamide derivatives

Author(s): Shilkar, D (Shilkar, Deepak); Siddique, MUM (Siddique, Mohd Usman Mohd); Bua, S (Bua, Silvia); Yasmin, S (Yasmin, Sabina); Patil, M (Patil, Mrunali); Timiri, AK (Timiri, Ajay Kumar); Supuran, CT (Supuran, Claudiu T.); Jayaprakash, V (Jayaprakash, Venkatesan)

Source: JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY **Volume:** 38 **Issue:** 1 **Article Number:** 2235089 **DOI:** 10.1080/14756366.2023.2235089 **Published:** DEC 31 2023

Record 624 of 1000

Title: Experimental and numerical techniques to evaluate coal/biomass fly ash blend characteristics and potentials

Author(s): Khalid, U (Khalid, Usman); Khoja, AH (Khoja, Asif Hussain); Daood, SS (Daood, Syed Sheraz); Khan, WU (Khan, Waqar Ul Habib); Din, IU (Din, Israf Ud); Al-Anazi, A (Al-Anazi, Abdulaziz); Petrillo, A (Petrillo, Antonella)

Source: SCIENCE OF THE TOTAL ENVIRONMENT **Volume:** 912 **Article Number:** 169218 **DOI:** 10.1016/j.scitotenv.2023.169218 **Early Access Date:** DEC 2023 **Published:** FEB 20 2024

Record 625 of 1000

Title: Enhancing the electrocatalytic OER activity of Co-MOFs through labile solvents coordination

Author(s): Muthukumar, P (Muthukumar, Pandi); Arunkumar, G (Arunkumar, Gunasekaran); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Record 626 of 1000

Title: Relationship between structural, electrical and electrochemical properties of La-doped nanocrystalline V₂O₅ films for energy storage applications

Author(s): El-Desoky, MM (El-Desoky, M. M.); Abdelrazek, MM (Abdelrazek, M. M.); Kamel, RM (Kamel, Rasha M.); Sheha, E (Sheha, E.); Ali, AM (Ali, Atif Mossad); Hannora, AE (Hannora, Ahmed E.)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 20 **Article Number:** 1519 **DOI:** 10.1007/s10854-023-10896-8 **Published:** JUL 2023

Record 627 of 1000

Title: Synthesis, physico-chemical characterization and quantum chemical studies of 2, 3-dimethyl quinoxalinium-5-sulphosalicylate crystal

Author(s): Ramesh, KS (Ramesh, K. S.); Saravanabhavan, M (Saravanabhavan, M.); Muhammad, S (Muhammad, Shabbir); Edison, D (Edison, D.); Ho, MS (Ho, Mon-Shu); Sekar, M (Sekar, M.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1285 **Article Number:** 135425 **DOI:** 10.1016/j.molstruc.2023.135425 **Early Access Date:** APR 2023 **Published:** AUG 5 2023

Record 628 of 1000

Title: Molecular engineering on D- π -A organic dyes with flavone-based different acceptors for highly efficient dye-sensitized solar cells using experimental and computational study

Author(s): Ammasi, A (Ammasi, Arunkumar); Iruthayaraj, R (Iruthayaraj, Ragavan); Munusamy, AP (Munusamy, Anbarasan Ponnusamy); Shkir, M (Shkir, Mohd)

Source: JOURNAL OF MOLECULAR MODELING **Volume:** 29 **Issue:** 2 **Article Number:** 45 **DOI:** 10.1007/s00894-023-05445-3 **Published:** FEB 2023

Record 629 of 1000

Title: How Do Silicon Carbide Nanoparticles Affect the Crashworthiness Performance of Glass/Epoxy Composite Tubes?

Author(s): Allah, MMA (Allah, Mahmoud M. Awd); Abd El-baky, MA (Abd El-baky, Marwa A.); Mousa, AA (Mousa, Ahmed A.); Hegazy, DA (Hegazy, Dalia A.)

Source: FIBERS AND POLYMERS **Volume:** 25 **Issue:** 2 **Pages:** 651-660 **DOI:** 10.1007/s12221-023-00447-7 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 630 of 1000

Title: Evaluation of anticancer potential of tetracene-5,12-dione (A01) and pyrimidine-2,4-dione (A02) via caspase 3 and lactate dehydrogenase cytotoxicity investigations

Author(s): Aziz, M (Aziz, Mubashir); Sarfraz, M (Sarfraz, Muhammad); Ibrahim, MK (Khurram Ibrahim, Muhammad); Ejaz, SA (Ejaz, Syeda Abida); Zehra, T (Zehra, Tasneem); Ogaly, HA (Ogaly, Hanan A.); Arafat, M (Arafat, Mosab); Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); Li, C (Li, Chen)

Source: PLOS ONE **Volume:** 18 **Issue:** 12 **Article Number:** e0292455 **DOI:** 10.1371/journal.pone.0292455 **Published:** DEC 21 2023

Record 631 of 1000

Title: Graphene nanoplatelets (GNPs): a source to bring change in the properties of Co-Ni-Gd-ferrite/GNP nanocomposites

Author(s): Latif, Z (Latif, Zartashia); Rehman, AU (Rehman, Atta Ur); Amin, N (Amin, Nasir); Arshad, MI (Arshad, Muhammad Imran); Marzouki, R (Marzouki, Riadh)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 49 **Pages:** 34308-34321 **DOI:** 10.1039/d3ra02080k **Published:** NOV 22 2023

Record 632 of 1000

Title: Facile fabrication of CoAl₂O₄ based grow nanohybrid as an environmental purifier for photodegradation of methylene blue (vol 34, 1323, 2023)

Author(s): Alharbi, FF (Alharbi, F. F.); Ejaz, SR (Ejaz, Syeda Rabia); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Waheed, MS (Waheed, Muhammad Suleman); Saeed, MN (Saeed, Muhammd Noman); Farid, HMT (Farid, Hafiz

Muhammad Tahir)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 25 **Article Number:** 1741 **DOI:** 10.1007/s10854-023-11217-9 **Published:** SEP 2023

Record 633 of 1000

Title: Fabrication and Characterization of Polyvalent Metals/Oxidized Polyvinyl Alcohol Hybrid Films with Improved Proton Conductivity and Optical Performances

Author(s): Charradi, K (Charradi, Khaled); Chemek, M (Chemek, Mourad); Slimi, B (Slimi, Bechir); Ramadan, AM (Ramadan, Ahmed M. M.); Alzahrani, AYA (Alzahrani, Abdullah Y. A.); Chtourou, R (Chtourou, Radhouane); Keshk, SMAS (Keshk, Sherif M. A. S.)

Source: JOURNAL OF POLYMERS AND THE ENVIRONMENT **Volume:** 31 **Issue:** 7 **Pages:** 3167-3181 **DOI:** 10.1007/s10924-023-02824-y **Early Access Date:** MAR 2023 **Published:** JUL 2023

Record 634 of 1000

Title: Synthesis, pharmacological evaluation, and molecular modeling studies of novel isatin hybrids as potential anticancer agents

Author(s): Raju, R (Raju, Rajapandi); Chidambaram, K (Chidambaram, Kumarappan); Chandrasekaran, B (Chandrasekaran, Balakumar); Maity, TK (Maity, Tapan Kumar); Alkahtani, AM (Alkahtani, Abdullah M.); Chandramoorthy, HC (Chandramoorthy, Harish C.); Bayan, MF (Bayan, Mohammad F.)

Source: JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 27 **Issue:** 2 **Article Number:** 101598 **DOI:** 10.1016/j.jscs.2023.101598 **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 635 of 1000

Title: Cobalt oxide modified sulfur and phosphorus Co-doped g-C₃N₄ for screening of urinary human albumin

Author(s): Zulfiqar, A (Zulfiqar, Anam); Zafar, F (Zafar, Farhan); Yaqub, B (Yaqub, Bushra); Mahmoud, HMA (Mahmoud, HassabAlla M. A.); Shah, M (Shah, Mohibullah); Widaa, EMA (Widaa, Einas M. A.); Nawaz, H (Nawaz, Haq); Akhtar, N (Akhtar, Naeem); Nishan, U (Nishan, Umar)

Source: MICROCHIMICA ACTA **Volume:** 190 **Issue:** 9 **Article Number:** 355 **DOI:** 10.1007/s00604-023-05936-3 **Published:** SEP 2023

Record 636 of 1000

Title: Exploring Nanocarriers as Treatment Modalities for Skin Cancer

Author(s): Adnan, M (Adnan, Mohammad); Akhter, MH (Akhter, Md. Habban); Afzal, O (Afzal, Obaid); Altamimi, ASA (Altamimi, Abdulmalik S. A.); Ahmad, I (Ahmad, Irfan); Alossaimi, MA (Alossaimi, Manal A.); Jaremko, M (Jaremko, Mariusz); Emwas, AH (Emwas, Abdul-Hamid); Haider, T (Haider, Tanweer); Haider, MF (Haider, Md. Faheem)

Source: MOLECULES **Volume:** 28 **Issue:** 15 **Article Number:** 5905 **DOI:** 10.3390/molecules28155905 **Published:** AUG 2023

Record 637 of 1000

Title: A structural approach to investigate halogen substituted MAO-B inhibitors using QSAR modeling, molecular dynamics, and conceptual DFT analysis

Author(s): Maliyakkal, N (Maliyakkal, Naseer); Ahmad, I (Ahmad, Iqrar); Kumar, S (Kumar, Sunil); Sudevan, ST (Sudevan, Sachithra Thazhathuveedu); Beeran, AA (Beeran, Asmy Appadath); Patel, H (Patel, Harun); Kim, H (Kim, Hoon); Mathew, B (Mathew, Bijo)

Source: JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 27 **Issue:** 4 **Article Number:** 101675 **DOI:** 10.1016/j.jscs.2023.101675 **Early Access Date:** JUL 2023 **Published:** JUL 2023

Record 638 of 1000

Title: Effects of Bioactive Compound, Ginsenoside Rb1 on Burn Wounds Healing in Diabetic Rats: Influencing M1 to M2 Phenotypic Trans

Author(s): Venkatesan, K (Venkatesan, Krishnaraju); Alghazwani, Y (Alghazwani, Yahia); Sivadasan, D (Sivadasan, Durgaramani); Prabahar, K (Prabahar, Kousalya); Asiri, YI (Asiri, Yahya I.); Mohamed, JMM (Mohamed, Jamal Moideen Muthu); Vasudevan, R (Vasudevan, Rajalakshimi); Khan, NA (Khan, Noohu Abdulla); Venkatesan, K (Venkatesan, Kumar); Paulsamy, P (Paulsamy, Premalatha); Krishnaraju, K (Krishnaraju, Kalpana)

Source: WASTE AND BIOMASS VALORIZATION **Volume:** 15 **Issue:** 1 **Pages:** 153-162 **DOI:** 10.1007/s12649-023-02147-y **Early Access Date:** MAY 2023 **Published:** JAN 2024

Record 639 of 1000

Title: Design and synthesis of 2-amino-4,6-diarylpyrimidine derivatives as potent α -glucosidase and α -amylase inhibitors: structure-activity relationship, *in vitro*, QSAR, molecular docking, MD simulations and drug-likeness studies

Author(s): Mughal, EU (Mughal, Ehsan Ullah); Amjid, S (Amjid, Samreen); Sadiq, A (Sadiq, Amina); Naeem, N (Naeem, Nafeesa); Nazir, Y (Nazir, Yasir); Alrafai, HA (Alrafai, H. A.); Hassan, AA (Hassan, Abeer A.); Al-Nami, SY (Al-Nami, Samar Y.); Hafez, AAA (Abdel Hafez, Amal A.); Shah, SWA (Ali Shah, Syed Wadood); Ghias, M (Ghias, Mehreen)

Source: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS **DOI:** 10.1080/07391102.2023.2198609 **Early Access Date:** APR 2023

Record 640 of 1000

Title: Characterization and medicinal applications of Karakoram shilajit; angiogenesis activity, antibacterial properties and cytotoxicity

Author(s): Yaqoob, Z (Yaqoob, Zahida); Batool, SA (Batool, Syeda Ammara); Khan, A (Khan, Ahmad); Hussain, R (Hussain, Rabia); Raza, MA (Raza, Mohsin Ali); Alqahtani, MS (Alqahtani, Mohammed S.); Abbas, M (Abbas, Mohamed); Almubarak, HA (Almubarak, Hassan Ali); Alqahtani, FF (Alqahtani, Fawaz F.); Rehman, MAU (Ur Rehman, Muhammad Atiq)

Source: MATERIALS RESEARCH EXPRESS **Volume:** 10 **Issue:** 10 **Article Number:** 105403 **DOI:** 10.1088/2053-1591/ad04bd **Published:** OCT 1 2023

Record 641 of 1000

Title: MNPs@PBI-CuBr₂ Nanocomposite Catalyzed One-Pot Three-Component Reaction of 2-Aminobenzoazoles, Sulfonyl Chloride and Aryl Iodides

Author(s): Raya, I (Raya, Indah); Parra, RMR (Parra, Rosario Mireya Romero); Yasin, G (Yasin, Ghulam); Jalil, AT (Jalil, Abduladheem Turki); Muzammil, K (Muzammil, Khursheed)

Source: POLYCYCLIC AROMATIC COMPOUNDS **Volume:** 44 **Issue:** 2 **Pages:** 1151-1166 **DOI:** 10.1080/10406638.2023.2186447 **Early Access Date:** MAR 2023 **Published:** FEB 7 2024

Record 642 of 1000

Title: Effective role of vacuum annealing in improving structural, optical, and electrical properties of SiO₂/Ag/ZnO multilayers deposited by RF sputtering for optoelectronic applications

Author(s): Qasem, A (Qasem, Ammar); Hassan, AA (Hassan, Abeer A.); Al-nami, SY (Al-nami, Samar Y.); Alrafai, HA (Alrafai, H. A.); Shaaban, ER (Shaaban, E. R.)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 1 **Article Number:** 015825 **DOI:** 10.1088/1402-4896/aca99e **Published:** JAN 1 2023

Record 643 of 1000

Title: Risk surveillance with spatial distribution of Organochlorine Pesticides (OCPs) from sedimentary samples of Chenab River

Author(s): Siddique, S (Siddique, Sidra); Chaudhry, MN (Chaudhry, M. Nawaz); Ahmad, SR (Ahmad, Sajid Rashid); Nazir, R (Nazir, Rabia); Javed, R (Javed, Rimsha); Hafeez, MR (Hafeez, Muhammad Rashid); Alraey, Y (Alraey, Yasser); Sivasamugham, LA (Sivasamugham, Lalita Ambigai); Mahmood, A (Mahmood, Adeel)

Source: SCIENCE OF THE TOTAL ENVIRONMENT **Volume:** 912 **Article Number:** 169256 **DOI:** 10.1016/j.scitotenv.2023.169256 **Early Access Date:** DEC 2023 **Published:** FEB 20 2024

Record 644 of 1000

Title: Computational study of the physical characteristics of Si-based oxide perovskites for energy generation using DFT

Author(s): Pasha, AA (Pasha, Amjad Ali); Khan, H (Khan, Hukam); Sohail, M (Sohail, Mohammad); Rahman, N (Rahman, Nasir); Khan, R (Khan, Rajwali); Alsalmi, OH (Alsalmi, Omar H.); Abduvalieva, D (Abduvalieva, Dilsora); Abualnaja, KM (Abualnaja, Khamael M.); El Jery, A (El Jery, Atef); Adrdery, M (Adrdery, Mouataz)

Source: MATERIALS ADVANCES **Volume:** 4 **Issue:** 24 **Pages:** 6645-6654 **DOI:** 10.1039/d3ma00537b **Early Access Date:** NOV 2023 **Published:** DEC 11 2023

Record 645 of 1000

Title: Targeting high performance of perovskite solar cells by combining electronic, manufacturing and environmental features in machine learning techniques

Author(s): Mammeri, M (Mammeri, M.); Dehimi, L (Dehimi, L.); Bencherif, H (Bencherif, H.); Amami, M (Amami, Mongi); Ezzine, S (Ezzine, Safa); Pandey, R (Pandey, Rahul); Hossain, MK (Hossain, M. Khalid)

Source: HELIYON **Volume:** 9 **Issue:** 11 **Article Number:** e21498 **DOI:** 10.1016/j.heliyon.2023.e21498 **Early Access Date:** OCT 2023 **Published:** NOV 2023

Record 646 of 1000

Title: A highly sensitive rare earth erbium doped In₂S₃ thin films for photodetection applications

Author(s): Altowyan, AS (Altowyan, Abeer S.); Hakami, J (Hakami, Jabir); Algarni, H (Algarni, H.); Shkir, M (Shkir, Mohd.)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 153 **Article Number:** 110738 **DOI:** 10.1016/j.inoche.2023.110738 **Early Access Date:** MAY 2023 **Published:** JUL 2023

Record 647 of 1000

Title: Applications of Phenyliodine(III)diacetate in C-H Functionalization and Hetero-Hetero Bond Formations: A Septennial Update

Author(s): Vittal, S (Vittal, Seema); Alam, MM (Mujahid Alam, Mohammed); Hussien, M (Hussien, Mohamed); Amanullah, M (Amanullah, Mohammed); Pisal, PM (Pisal, Parshuram M.); Ravi, V (Ravi, Varala)

Source: CHEMISTRYSELECT **Volume:** 8 **Issue:** 1 **DOI:** 10.1002/slct.202204240 **Published:** JAN 9 2023

Record 648 of 1000

Title: Untargeted screening of plant metabolites based on data-independent and data-dependent acquisition modes using LC-ESI-QTOF-MS: Tribulus terrestris L. as a case study

Author(s): Shah, SMZ (Shah, Syed Muhammad Zaki); Ramzan, M (Ramzan, Muhammad); Khan, MN (Khan, Muhammad Noman); Shadab, H (Shadab, Hamna); Usman, M (Usman, Muhammad); Rahman, S (Rahman, Saeedur); Ali, A (Ali, Arslan); Uddin, J (Uddin, Jalal); Asmari, M (Asmari, Mufarreh); Musharraf, SG (Ghulam Musharraf, Syed)

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 16 **Issue:** 8 **Article Number:** 104978 **DOI:** 10.1016/j.arabjc.2023.104978 **Early Access Date:** MAY 2023 **Published:** AUG 2023

Record 649 of 1000

Title: Electrochemical and piezocatalysis properties of Bi_{0.5}(Na_{0.9}K_{0.1})_{0.5}TiO₃ ceramic

Author(s): Sun, YZ (Sun, Yuzhen); Han, YT (Han, Yuting); Xing, R (Xing, Rong); Boukhris, I (Boukhris, Imed); Kumar, A (Kumar, Anuruddh)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 10 **Pages:** 16011-16018 **DOI:** 10.1016/j.ceramint.2023.01.198 **Early Access Date:** APR 2023 **Published:** MAY 15 2023

Record 650 of 1000

Title: Deciphering the source of heavy metals in industrially affected river sediment of Shitalakshya river, Bangladesh, and potential ecological and health implications

Author(s): Jolly, YN (Jolly, Yeasmin Nahar); Rakib, MRJ (Rakib, Md. Refat Jahan); Kumar, R (Kumar, Rakesh); Islam, AMT (Islam, Abu Reza Md. Towfiqul); Rabby, A (Rabby, Atahar); Mamun, KM (Mamun, Khan Mohammad); Akter, S (Akter, Shirin); Kabir, J (Kabir, Jamiul); Bhuiyan, TJ (Bhuiyan, Taseen Jubair); Chowdhury, AMS (Chowdhury, Abdullah Mohammad Sarwaruddin); Idris, AM (Idris, Abubakr M.)

Source: JOURNAL OF HAZARDOUS MATERIALS ADVANCES **Volume:** 10 **Article Number:** 100268 **DOI:** 10.1016/j.hazadv.2023.100268 **Early Access Date:** MAR 2023 **Published:** MAY 2023

Record 651 of 1000

Title: Resveratrol-Loaded Chia Seed Oil-Based Nanogel as an Anti-Inflammatory in Adjuvant-Induced Arthritis

Author(s): Afzal, O (Afzal, Obaid); Altamimi, ASA (Altamimi, Abdulmalik S. A.); Alamri, MA (Alamri, Mubarak A.); Altharawi, A (Altharawi, Ali); Alossaimi, MA (Alossaimi, Manal A.); Akhtar, MS (Akhtar, Md Sayeed); Tabassum, F (Tabassum, Fauzia); Almalki, WH (Almalki, Waleed H.); Singh, T (Singh, Tanuja)

Source: GELS **Volume:** 9 **Issue:** 2 **Article Number:** 131 **DOI:** 10.3390/gels9020131 **Published:** FEB 2023

Record 652 of 1000

Title: Synthesis, characterization, computational studies, and photocatalytic properties of Cu doped Bi₂S₃ nanorods

Author(s): Nkwe, VM (Nkwe, Violet M.); Olatunde, OC (Olatunde, Olalekan C.); Ben Smida, Y (Ben Smida, Youssef); Siddeeg, SM (Siddeeg, Saifeldin M.); Onwudiwe, DC (Onwudiwe, Damian C.)

Source: MATERIALS TODAY COMMUNICATIONS **Volume:** 34 **Article Number:** 105418 **DOI:** 10.1016/j.mtcomm.2023.105418 **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 653 of 1000

Title: Synthesis and characterization of new composite sponge combining of metal-organic framework and chitosan for the elimination of Pb(II), Cu(II) and Cd(II) ions from aqueous solutions: Batch adsorption and optimization using Box-Behnken design

Author(s): Nassef, HM (Nassef, Hossam M.); Al-Hazmi, GAAM (Al-Hazmi, Gamil A. A. M.); Alayyafi, AA (Alayyafi, AbdulAziz A.); El-Desouky, MG (El-Desouky, Mohamed G.); El-Bindary, AA (El-Bindary, Ashraf A.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 394 **Article Number:** 123741 **DOI:** 10.1016/j.molliq.2023.123741 **Early Access Date:** DEC 2023 **Published:** JAN 15 2024

Record 654 of 1000

Title: DFT modeling techniques to understand the potential applicability of novel double perovskite semiconductor Ba₂LuNbO₆ for sustainable thermoelectrics and optoelectronic perspectives

Author(s): Khandy, SA (Khandy, Saveer Ahmad); Almeshal, A (Almeshal, Abdelkareem); Alshahrani, T (Alshahrani, Thamraa); Gupta, DC (Gupta, Dinesh C.); Yousef, E (Yousef, El Sayed)

Source: JOURNAL OF SOLID STATE CHEMISTRY **Volume:** 327 **Article Number:** 124296 **DOI:** 10.1016/j.jssc.2023.124296 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 655 of 1000

Title: Computational analysis of ternary nanofluid flow in a microchannel with nonuniform heat source/sink and waste discharge concentration

Author(s): Madhukesh, JK (Madhukesh, J. K.); Sarris, IE (Sarris, Ioannis E. E.); Vinutha, V (Vinutha, V.); Prasannakumara, BC (Prasannakumara, B. C.); Abdulrahman, A (Abdulrahman, Amal)

Source: NUMERICAL HEAT TRANSFER PART A-APPLICATIONS **DOI:** 10.1080/10407782.2023.2240509 **Early Access Date:** JUL 2023

Record 656 of 1000

Title: Effects of Different Precursors on Particle Size and Optical-Magnetic Properties of ZnCr₂O₄ Nanoparticles Prepared by Microwave-Assisted Method

Author(s): Sankudevan, P (Sankudevan, P.); Sakthivel, RV (Sakthivel, R. V.); Poonkodi, K (Poonkodi, K.); Ramalingam, G (Ramalingam, Gopal); Raghupathi, C (Raghupathi, C.); Alam, MM (Alam, Mohammed Mujahid); Rangasamy, B (Rangasamy, Baskaran)

Source: JOURNAL OF NANOMATERIALS **Volume:** 2023 **Article Number:** 2856806 **DOI:** 10.1155/2023/2856806 **Published:** JAN 7 2023

Record 657 of 1000

Title: Preliminary investigation on impact of intergenerational treatment of resveratrol endorses the development of 'super-pups'

Author(s): Sharma, AK (Sharma, Arun K.); Mukherjee, M (Mukherjee, Monalisa); Kumar, A (Kumar, Ashish); Sharma, G (Sharma, Gunjan); Tabassum, F (Tabassum, Fauzia); Akhtar, MS (Akhtar, Md. Sayeed); Imam, MT (Imam, Mohammad Tarique); Almalki, ZS (Almalki, Ziyad Saeed)

Source: LIFE SCIENCES **Volume:** 314 **Article Number:** 121322 **DOI:** 10.1016/j.lfs.2022.121322 **Early Access Date:** JAN 2023 **Published:** FEB 1 2023

Record 658 of 1000

Title: *In silico* Screening and Validation of *Achyranthes aspera* as a Potential Inhibitor of BRAF and NRAS in Controlling Thyroid Cancer

Author(s): Alamri, AM (Alamri, Ahmad M.); Alkhalaiwi, FA (Alkhalaiwi, Faris A.); Khan, NU (Khan, Najeeb U.); Tasleem, M (Tasleem, Munazzah)

Source: ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY **Volume:** 23 **Issue:** 19 **Pages:** 2111-2126 **DOI:** 10.2174/1871520623666230607125258 **Published:** 2023

Record 659 of 1000

Title: Comparison of novel ionic liquids and pure water for CO₂ separation through membrane contactor: CFD simulation and thermal analysis

Author(s): Sumayli, A (Sumayli, Abdulrahman); Alshahrani, SM (Alshahrani, Saad M.); Obaidullah, AJ (Obaidullah, Ahmad J.); Venkatesan, K (Venkatesan, Kumar)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 53 **Article Number:** 103856 **DOI:** 10.1016/j.csite.2023.103856 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 660 of 1000

Title: Effect of BiFeO₃ on the ferroelectric and energy storage properties of (Bi_{1/2}Na_{1/2})_{0.94}Ba_{0.06}TiO₃ based compositions

Author(s): Uddin, S (Uddin, Sarir); Ahmad, A (Ahmad, Abid); Nasir, MF (Nasir, Muhammad Farooq); Zaman, A (Zaman, Abid); Algahtani, A (Algahtani, Ali); Tirth, V (Tirth, Vineet); Zheng, GP (Zheng, Guang-Ping)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 159 **Article Number:** 111746 **DOI:** 10.1016/j.inoche.2023.111746 **Early Access Date:** NOV 2023 **Published:** JAN 2024

Record 661 of 1000

Title: MoTe₂ Field-Effect Transistor for the Rapid Detection of Streptavidin via Engineered Support Construct

Author(s): Nisar, S (Nisar, Sobia); Shahzadi, M (Shahzadi, Misbah); Shahzad, Z (Shahzad, Zafar); Kim, DK (Kim, Deok-kee); Dastgeer, G (Dastgeer, Ghulam); Irfan, A (Irfan, Ahmad)

Source: ACS APPLIED ELECTRONIC MATERIALS **Volume:** 5 **Issue:** 10 **Pages:** 5714-5721 **DOI:** 10.1021/acsaelm.3c01045 **Early Access Date:** SEP 2023 **Published:** SEP 20 2023

Record 662 of 1000

Title: 2D MXene interface engineering for organic solar cells

Author(s): Aftab, S (Aftab, Sikandar); Iqbal, MZ (Iqbal, Muhammad Zahir); Hussain, S (Hussain, Sajjad); Kabir, F (Kabir, Fahmid); Kumar, S (Kumar, Sunil); Hegazy, HH (Hegazy, H. H.); Goud, BS (Goud, Burragoni Sravanthi)

Source: JOURNAL OF MATERIALS CHEMISTRY C **Volume:** 11 **Issue:** 39 **Pages:** 13189-13203 **DOI:** 10.1039/d3tc01816d **Early Access Date:** AUG 2023 **Published:** OCT 12 2023

Record 663 of 1000

Title: Three-dimensional swirling flow of a ternary composite nanofluid induced by the torsional motion of a cylinder considering non-Fourier law

Author(s): Nagapavani, M (Nagapavani, M.); Reddy, GVR (Reddy, G. Venkata Ramana); Abdulrahman, A (Abdulrahman, Amal); Kumar, R (Kumar, Raman); Gowda, RJP (Gowda, R. J. Punith)

Source: NUMERICAL HEAT TRANSFER PART A-APPLICATIONS **DOI:** 10.1080/10407782.2023.2219834 **Early Access Date:** JUN 2023

Record 664 of 1000

Title: Solvent potential effects (topological aspects, electron excitation), spectral characterization and biological attributes of NLO active 1-(2,4-dinitrophenyl)-2-((E)-3-phenylallylidene) hydrazine: Multiple anti tuberculosis agent

Author(s): Mishma, JNC (Mishma, J. N. Cheerlin); Jothy, VB (Jothy, V. Bena); Irfan, A (Irfan, Ahmad); Narayana, B (Narayana, B.); Kodlady, SN (Kodlady, Suresh N.); Muthu, S (Muthu, S.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 376 **Article Number:** 121439 **DOI:** 10.1016/j.molliq.2023.121439 **Early Access Date:** FEB 2023 **Published:** APR 15 2023

Record 665 of 1000

Title: Fabrication and characterization of graphene/sulfonated polyether sulfone octyl sulfonamide hybrid film with improved proton conductivity performance

Author(s): Mabrouk, W (Mabrouk, Walid); Jebri, S (Jebri, Sonia); Charradi, K (Charradi, Khaled); Silimi, B (Silimi, Bishir); Alzahrani, AYA (Alzahrani, Abdullah Y. A.); Boubakri, A (Boubakri, Ali); Ghodbane, O (Ghodbane, Ouassim); Raouafi, N (Raouafi, Noureddine); Keshk, SMAS (Keshk, Sherif. M. A. S.)

Source: JOURNAL OF SOLID STATE ELECTROCHEMISTRY **Volume:** 27 **Issue:** 4 **Pages:** 991-999 **DOI:** 10.1007/s10008-023-05411-2 **Early Access Date:** JAN 2023 **Published:** APR 2023

Record 666 of 1000

Title: Facile fabrication of CoAl₂O₄ based rGO nanohybrid as an environmental purifier for photodegradation of methylene blue

Author(s): Alharbi, FF (Alharbi, F. F.); Ejaz, SR (Ejaz, Syeda Rabia); Al-Sehemi, AG (Al-Sehemi, Abdullah G. G.); Waheed, MS (Waheed, Muhammad Suleman); Saeed, MN (Saeed, Muhammd Noman); Farid, HMT (Farid, Hafiz Muhammad Tahir)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 16 **Article Number:** 1323 **DOI:** 10.1007/s10854-023-10702-5 **Published:** JUN 2023

Record 667 of 1000

Title: Enhancing the performance of quantum dot solar cells through halogen adatoms on carboxyl edge-functionalized graphene quantum dots

Author(s): Rajhi, AA (Rajhi, Ali A.); Alaziz, KMA (Alaziz, Karam Myaser Abd); Oviedo, BSR (Oviedo, Byron Stalin Rojas); Yadav, A (Yadav, Anupam); Hernández, E (Hernandez, Eduardo); Gallegos, C (Gallegos, Cesar); Alamri, S (Alamri, Sagr); Duhduh, AA (Duhduh, Alaauldeen A.)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 447 **Article Number:** 115240 **DOI:** 10.1016/j.jphotochem.2023.115240 **Early Access Date:** OCT 2023 **Published:** JAN 15 2024

Record 668 of 1000

Title: Efficient dye removal from industrial wastewater using sustainable activated carbon and its polyamide nanocomposite derived from agricultural and industrial wastes in column systems

Author(s): Zayed, AM (Zayed, Ahmed M.); Metwally, BS (Metwally, Bahaa S.); Masoud, MA (Masoud, Mostafa A.); Mubarak, MF (Mubarak, Mahmoud F.); Shendy, H (Shendy, Hussain); Abdelsatar, MM (Abdelsatar, Mahmoud M.); Petrounias, P (Petrounias, Petros); Ragab, AH (Ragab, Ahmed H.); Hassan, AA (Hassan, Abeer A.); Wahed, MSMA (Wahed, Mahmoud S. M. Abdel)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 36 **Pages:** 24887-24898 **DOI:** 10.1039/d3ra03105e **Published:** AUG 21 2023

Record 669 of 1000

Title: Quantum control of substitutional effects on the S-involved optoelectronic properties of BeS_xSe_{1-x} ternary alloys

Author(s): Rafiq, Q (Rafiq, Qaiser); Hayat, SS (Hayat, Sardar Sikandar); Azam, S (Azam, Sikander); Neffati, R (Neffati, R.); Amami, M (Amami, Mongi)

Source: COMPUTATIONAL CONDENSED MATTER **Volume:** 36 **Article Number:** e00819 **DOI:** 10.1016/j.cocom.2023.e00819 **Early Access Date:** JUL 2023 **Published:** SEP 2023

Record 670 of 1000

Title: Probing the Low-Frequency Response of Impedance Spectroscopy of Halide Perovskite Single Crystals Using Machine Learning

Author(s): Parikh, N (Parikh, Nishi); Akin, S (Akin, Seckin); Kalam, A (Kalam, Abul); Prochowicz, D (Prochowicz, Daniel); Yadav, P (Yadav, Pankaj)

Source: ACS APPLIED MATERIALS & INTERFACES **Volume:** 15 **Issue:** 23 **Pages:** 27801-27808 **DOI:** 10.1021/acsami.3c00269 **Early Access Date:** JUN 2023 **Published:** JUN 2 2023

Record 671 of 1000

Title: Improved Alkaline Seawater Splitting of NiS Nanosheets by Iron Doping

Author(s): Yang, CX (Yang, Chaoxin); Dong, K (Dong, Kai); Zhang, LC (Zhang, Longcheng); He, X (He, Xun); Chen, J (Chen, Jie); Sun, SJ (Sun, Shengjun); Yue, M (Yue, Meng); Zhang, H (Zhang, Hui); Zhang, M (Zhang, Min); Zheng, DD (Zheng, Dongdong); Luo, YS (Luo, Yongsong); Ying, BW (Ying, Binwu); Liu, Q (Liu, Qian); Asiri, AM (Asiri, Abdullah M.); Hamdy, MS (Hamdy, Mohamed S.); Sun, XP (Sun, Xuping)

Source: INORGANIC CHEMISTRY **Volume:** 62 **Issue:** 20 **Pages:** 7976-7981 **DOI:** 10.1021/acs.inorgchem.3c00836 **Early Access Date:** MAY 2023 **Published:** MAY 5 2023

Record 672 of 1000

Title: Analysis of the Competition System Using Parameterized Fractional Differential Equations: Application to Real Data

Author(s): DarAssi, MH (DarAssi, Mahmoud H. H.); Khan, MA (Khan, Muhammad Altaf); Fatmawati (Fatmawati); Alqarni, MS (Alqarni, Marei Saeed)

Source: SYMMETRY-BASEL **Volume:** 15 **Issue:** 2 **Article Number:** 542 **DOI:** 10.3390/sym15020542 **Published:** FEB 2023

Record 673 of 1000

Title: Process parameter optimisation for selective laser melting of AlSi10Mg-316L multi-materials using machine learning method

Author(s): Miao, H (Miao, Huan); Yusof, F (Yusof, Farazila); Karim, MSA (Karim, Mohd Sayuti Ab); Badruddin, IA (Badruddin, Irfan Anjum); Hussien, M (Hussien, Mohamed); Kamangar, S (Kamangar, Sarfaraz); Zhang, H (Zhang, Hao)

Source: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY **DOI:** 10.1007/s00170-023-12489-5 **Early Access Date:** OCT 2023

Record 674 of 1000

Title: A review on radionuclide pollution in global soils with environmental and health hazards evaluation

Author(s): Chandra, K (Chandra, Krishno); Proshad, R (Proshad, Ram); Dey, HC (Dey, Hridoy Chandra); Idris, AM (Idris, Abubakr M. M.)

Source: ENVIRONMENTAL GEOCHEMISTRY AND HEALTH **DOI:** 10.1007/s10653-023-01725-2 **Early Access Date:** AUG 2023

Record 675 of 1000

Title: Catalytic oxidative desulfurization of thio-compounds by employing η^5 -Anderson-type polyoxometalates-porphyrin covalent organic framework (COF)

Author(s): Mushtaq, A (Mushtaq, Afshan); Nadeem, M (Nadeem, Muhammad); Shaaban, IA (Shaaban, Ibrahim A.); Assiri, MA (Assiri, Mohammed A.); Sajid, M (Sajid, Muhammad); Khan, MA (Khan, Muhammad Ali); Asif, HM (Asif, Hafiz Muhammad); Nazar, Z (Nazar, Zahra); Hussain, S (Hussain, Shahid); El-Bahy, ZM (El-Bahy, Zeinoh M.)

Source: TETRAHEDRON **Volume:** 144 **Article Number:** 133575 **DOI:** 10.1016/j.tet.2023.133575 **Early Access Date:** AUG 2023 **Published:** SEP 7 2023

Record 676 of 1000

Title: Review: Schiff base metal complexes as anti-inflammatory agents

Author(s): Sandhu, QU (Sandhu, Qurat-Ul-Ain); Pervaiz, M (Pervaiz, Muhammad); Majid, A (Majid, Abdul); Younas, U (Younas, Umer); Saeed, Z (Saeed, Zohaib); Ashraf, A (Ashraf, Adnan); Khan, RRM (Khan, Rana Rashad Mahmood); Ullah, S (Ullah, Sami); Ali, F (Ali, Faisal); Jelani, S (Jelani, Seemal)

Source: JOURNAL OF COORDINATION CHEMISTRY **Volume:** 76 **Issue:** 9-10 **Pages:** 1094-1118 **DOI:** 10.1080/00958972.2023.2226794 **Early Access Date:** JUN 2023 **Published:** MAY 19 2023

Record 677 of 1000

Title: Combinatorial drug-loaded quality by design adapted transliposome gel formulation for dermal delivery: In vitro and dermatokinetic study

Author(s): Qadir, A (Qadir, Abdul); Ullah, SNMN (Ullah, Shehla Nasar Mir Najib); Gupta, DK (Gupta, Dipak Kumar); Khan, N (Khan, Nausheen); Warsi, MH (Warsi, Musarrat Husain); Kamal, M (Kamal, Mehnaz)

Source: JOURNAL OF COSMETIC DERMATOLOGY **Volume:** 22 **Issue:** 10 **Pages:** 2839-2851 **DOI:** 10.1111/jocd.15792 **Early Access Date:** JUN 2023 **Published:** OCT 2023

Record 678 of 1000

Title: Firefly Algorithm and Neural Network Employment for Dilution Analysis of Super Duplex Stainless Steel Clads over AISI 1020 Steel Using Gas Tungsten Arc Process

Author(s): Majid, M (Majid, Mohd.); Goel, L (Goel, Love); Saxena, A (Saxena, Abhinav); Srivastava, AK (Srivastava, Ashish Kumar); Singh, GK (Singh, Gyanendra Kumar); Verma, R (Verma, Rajesh); Bhutto, JK (Bhutto, Javed Khan); Hussein, HS (Hussein, Hany S.)

Source: COATINGS **Volume:** 13 **Issue:** 5 **Article Number:** 841 **DOI:** 10.3390/coatings13050841 **Published:** APR 27 2023

Record 679 of 1000

Title: Polarization-Sensitive Photodetection of Anisotropic 2D Black Arsenic

Author(s): Usman, M (Usman, Muhammad); Nisar, S (Nisar, Sobia); Kim, DK (Kim, Deok-kee); Golovynskyi, S (Golovynskyi, Sergii); Imran, M (Imran, Muhammad); Dastgeer, G (Dastgeer, Ghulam); Wang, L (Wang, Liang)

Source: JOURNAL OF PHYSICAL CHEMISTRY C **Volume:** 127 **Issue:** 19 **Pages:** 9076-9082 **DOI:** 10.1021/acs.jpcc.2c08630 **Early Access Date:** APR 2023 **Published:** APR 6 2023

Record 680 of 1000

Title: A Z-scheme BiYO₃/g-C₃N₄ heterojunction photocatalyst for the degradation of organic pollutants under visible light irradiation

Author(s): Sasikala, P (Sasikala, Parthasarathy); Bavani, T (Bavani, Thirugnanam); Selvaraj, M (Selvaraj, Manickam); Preeyanghaa, M (Preeyanghaa, Mani); Neppolian, B (Neppolian, Bernaurdshaw); Murugesan, S (Murugesan, Sepperumal); Madhavan, J (Madhavan, Jagannathan)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 14 **Pages:** 41095-41106 **DOI:** 10.1007/s11356-022-25027-9 **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 681 of 1000

Title: Synthesis, characterization, and application of the novel nanomagnet adsorbent for the removal of Cr(vi) ions

Author(s): Alsaiari, NS (Alsaiari, Norah Salem); Alsaiari, MS (Alsaiari, Majed Salem); Alzahrani, FM (Alzahrani, Fatimah Mohammed); Amari, A (Amari, Abdelfattah); Tahoon, MA (Tahoon, Mohamed A.)

Source: REVIEWS ON ADVANCED MATERIALS SCIENCE **Volume:** 62 **Issue:** 1 **Article Number:** 20230145 **DOI:** 10.1515/rams-2023-0145 **Published:** NOV 23 2023

Record 682 of 1000

Title: Microplastics occurrence in commercial crab (*Portunus segnis*) from the western coast of India and pollution indices: First investigation and evidence

Author(s): Rabari, V (Rabari, Vasantkumar); Rakib, MRJ (Rakib, Md. Refat Jahan); Trivedi, J (Trivedi, Jigneshkumar); Idris, AM (Idris, Abubakr M.); Malafaia, G (Malafaia, Guilherme)

Source: SCIENCE OF THE TOTAL ENVIRONMENT **Volume:** 905 **Article Number:** 167500 **DOI:** 10.1016/j.scitotenv.2023.167500 **Early Access Date:** OCT 2023 **Published:** DEC 20 2023

Record 683 of 1000

Title: RETRACTION: Rb(I)/Se(IV) co-dopant into hydroxyapatite; their structural, morphological, and antibacterial effectiveness for biomedical applications (Retraction of Vol 127, art no 194, 2021)

Author(s): Awwad, NS (Awwad, N. S.); Ahmed, MK (Ahmed, M. K.); Afifi, M (Afifi, M.); Ibrahim, HA (Ibrahim, Hala A.)

Source: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **Volume:** 129 **Issue:** 6 **Article Number:** 443 **DOI:** 10.1007/s00339-023-06708-9 **Published:** JUN 2023

Record 684 of 1000

Title: Electrocatalytic behavior of Ni-Co-Fe₃O₄ nanospheres for efficient oxygen evolution reaction

Author(s): Saleem, MK (Saleem, Muhammad Kashif); Niaz, NA (Niaz, Niaz Ahmad); Fawy, KF (Fawy, Khaled Fahmi); Abdelmohsen, SAM (Abdelmohsen, Shaimaa A. M.); Alanazi, MM (Alanazi, Meznah M.); Hussain, F (Hussain, Fayyaz); Ashiq, MN (Ashiq, Muhammad Naeem); Rasheed, U (Rasheed, Umbreen); Abbas, Y (Abbas, Yasir); Khan, MS (Khan, Muhammad Shuaib)

Source: JOURNAL OF ELECTROANALYTICAL CHEMISTRY **Volume:** 940 **Article Number:** 117503 **DOI:** 10.1016/j.jelechem.2023.117503 **Early Access Date:** MAY 2023 **Published:** JUL 1 2023

Record 685 of 1000

Title: Nonlinear optical properties of novel crystalline complexes of cobalt (II) and nickel (II) with 4-bromo-3-methyl-1H-pyrazole: combined experimental and computational study

Author(s): Hussain, S (Hussain, Sajjad); Muhammad, S (Muhammad, Shabbir); Talib, SH (Talib, Shamraiz Hussain); Akkurt, M (Akkurt, Mehmet); Mahsud, A (Mahsud, Ayaz); Yang, ZX (Yang, Zongxian); Wang, HY (Wang, Haiyan); Lu, ZS (Lu, Zhansheng)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1296 **Article Number:** 136834 **DOI:** 10.1016/j.molstruc.2023.136834 **Early Access Date:** OCT 2023 **Part:** 1 **Published:** JAN 15 2024

Record 686 of 1000

Title: Fabrication of Sustained Release Curcumin-Loaded Solid Lipid Nanoparticles (Cur-SLNs) as a Potential Drug Delivery System for the Treatment of Lung Cancer: Optimization of Formulation and In Vitro Biological Evaluation

Author(s): Rahman, MA (Rahman, Mohammad Akhlaquer); Ali, A (Ali, Abuzer); Rahamathulla, M (Rahamathulla, Mohamed); Salam, S (Salam, Shahana); Hani, U (Hani, Umme); Wahab, S (Wahab, Shadma); Warsi, MH (Warsi, Musarrat Husain); Yusuf, M (Yusuf, Mohammad); Ali, A (Ali, Amena); Mittal, V (Mittal, Vineet); Harwansh, RK (Harwansh, Ranjit Kumar)

Source: POLYMERS **Volume:** 15 **Issue:** 3 **Article Number:** 542 **DOI:** 10.3390/polym15030542 **Published:** FEB 2023

Record 687 of 1000

Title: Transforming Waste into Value: Eco-Friendly Synthesis of MOFs for Sustainable PFOA Remediation

Author(s): El Jery, A (El Jery, Atef); Pecho, RDC (Pecho, Renzon Daniel Cosme); Arellano, MTC (Arellano, Meryelem Tania Churampi); Aldrdery, M (Aldrery, Moutaz); Elkhaleefa, A (Elkhaleefa, Abubakr); Wang, CQ (Wang, Chongqing); Sammen, SS (Sammen, Saad Sh.); Tizkam, HH (Tizkam, Hussam H.)

Source: SUSTAINABILITY **Volume:** 15 **Issue:** 13 **Article Number:** 10617 **DOI:** 10.3390/su151310617 **Published:** JUL 2023

Record 688 of 1000

Title: Three-Dimensional Swirling Flow of Nanofluid with Nanoparticle Aggregation Kinematics Using Modified Krieger-Dougherty and Maxwell-Bruggeman Models: A Finite Element Solution

Author(s): Alsulami, MD (Alsulami, M. D.); Abdulrahman, A (Abdulrahman, Amal); Kumar, RN (Kumar, R. Naveen); Gowda, RJP (Gowda, R. J. Punith); Prasannakumara, BC (Prasannakumara, B. C.)

Source: MATHEMATICS **Volume:** 11 **Issue:** 9 **Article Number:** 2081 **DOI:** 10.3390/math11092081 **Published:** APR 27 2023

Record 689 of 1000

Title: Computational Study on D- π -A-Based Metal-Free Donor-Tuned Molecules for Efficient Organic Dye-Sensitized Solar Cells

Author(s): Aadheeswari, S (Aadheeswari, S.); Anbarasan, PM (Anbarasan, P. M.); Arunkumar, A (Arunkumar, A.); Shkir, M (Shkir, Mohd)

Source: JOURNAL OF COMPUTATIONAL BIOPHYSICS AND CHEMISTRY **Volume:** 22 **Issue:** 02 **Pages:** 231-241 **DOI:** 10.1142/S2737416523500151 **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 690 of 1000

Title: Fractional order study of magnetohydrodynamical time-dependent flow of Prandtl fluid

Author(s): Usman, M (Usman, Muhammad); Hamid, M (Hamid, Muhammad); Hussien, M (Hussien, Mohamed); Hassan, AM (Hassan, Ahmed M.); Lu, DC (Lu, Dianchen)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 53 **Article Number:** 103841 **DOI:** 10.1016/j.csite.2023.103841 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 691 of 1000

Title: Development of the supercapacitor efficiency of the two-dimensional graphene oxide decorated by nano magnetite through building novel nanocomposites using nanoparticles of cobalt, manganese, vanadium, and zirconium oxides

Author(s): El-Shafai, NM (El-Shafai, Nagi M.); Ramadan, MS (Ramadan, Mohamed S.); Alayyafi, AA (Alayyafi, AbdulAziz A.); Mostafa, YS (Mostafa, Yasser S.); El-Mehasseb, I (El-Mehasseb, Ibrahim)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 76 **Article Number:** 109727 **DOI:** 10.1016/j.est.2023.109727 **Early Access Date:** DEC 2023 **Published:** JAN 15 2024

Record 692 of 1000

Title: Synthesis and Biological Evaluation of Some New 3-Aryl-2-thioxo-2,3-dihydroquinazolin-4(1*H*)-ones and 3-Aryl-2-(benzylthio)quinazolin-4(3*H*)-ones as Antioxidants; COX-2, LDHA, α -Glucosidase and α -Amylase Inhibitors; and Anti-Colon Carcinoma and Apoptosis-Inducing Agents

Author(s): El-Sayed, NNE (El-Sayed, Nahed Nasser Eid); Al-Otaibi, TM (Al-Otaibi, Taghreed M.); Barakat, A (Barakat, Assem); Almarhoon, ZM (Almarhoon, Zainab M.); Hassan, MZ (Hassan, Mohd. Zaheen); Al-Zaben, MI (Al-Zaben, Maha I.); Krayem, N (Krayem, Najeh); Masand, VH (Masand, Vijay H.); Ben Bacha, A (Ben Bacha, Abir)

Source: PHARMACEUTICALS **Volume:** 16 **Issue:** 10 **Article Number:** 1392 **DOI:** 10.3390/ph16101392 **Published:** OCT 2023

Record 693 of 1000

Title: The Impact of Changing the LiF Concentration on Structural, Thermal, Physical, and Optical Properties of CdO-SiO₂-B₂O₃-MoO₃-LiF Glasses

Author(s): Althagafi, TM (Althagafi, Talal M.); Sayed, MA (Sayed, M. A.); Alghasham, HA (Alghasham, Hawra A.); Al-Harbi, N (Al-Harbi, Nuha); Shaaban, KS (Shaaban, Kh. S.)

Source: SILICON **Volume:** 15 **Issue:** 16 **Pages:** 7047-7056 **DOI:** 10.1007/s12633-023-02567-4 **Early Access Date:** JUN 2023 **Published:** NOV 2023

Record 694 of 1000

Title: Deconvoluting the Impedance Response of Halide Perovskite Single Crystals: The Distribution of Relaxation Time Method

Author(s): Pandey, SV (Pandey, Siddhi Vinayak); Parikh, N (Parikh, Nishi); Mahapatra, A (Mahapatra, Apurba); Kalam, A (Kalam, Abul); Akin, S (Akin, Seckin); Satapathi, S (Satapathi, Soumitra); Prochowicz, D (Prochowicz, Daniel); Yadav, P (Yadav, Pankaj)

Source: JOURNAL OF PHYSICAL CHEMISTRY C **Volume:** 127 **Issue:** 24 **Pages:** 11609-11615 **DOI:** 10.1021/acs.jpcc.3c01850 **Early Access Date:** JUN 2023 **Published:** JUN 8 2023

Record 695 of 1000

Title: Fabrication of hierarchical NiCo₂S₄@GO nano-sponge electrode: as advanced electrode for supercapacitor applications

Author(s): Deepalakshmi, S (Deepalakshmi, S.); Revathy, MS (Revathy, M. S.); Marnadu, R (Marnadu, R.); Shkir, M (Shkir, Mohd); Jansi, R (Jansi, R.)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 12 **Article Number:** 1007 **DOI:** 10.1007/s10854-023-10369-y **Published:** APR 2023

Record 696 of 1000

Title: Multifunctional covalent-organic frameworks (COFs)-2D MXenes composites for diverse applications

Author(s): Ramachandran, T (Ramachandran, Tholkappiyan); Hamed, F (Hamed, Fathalla); Kumar, YA (Kumar, Yedluri Anil); Raji, RK (Raji, Ramesh Kumar); Hegazy, HH (Hegazy, H. H.)

Source: JOURNAL OF ENERGY STORAGE **Volume:** 73 **Article Number:** 109299 **DOI:** 10.1016/j.est.2023.109299 **Early Access Date:** OCT 2023 **Part:** D **Published:** DEC 20 2023

Record 697 of 1000

Title: Evaluation of the ability of pure and gold-doped graphyne-like BN-yne as a chemical drug sensor

Author(s): Alamri, S (Alamri, Sagr); Hsu, CY (Hsu, Chou-Yi); Al-Ma'abreh, AM (Al-Ma'abreh, Alaa M.); Alawideh, S (Alawideh, Samer); Lagum, AA (Lagum, Abdelmajeed Adam); Duhduh, AA (Duhduh, Alaauldeen A.); Rajhi, AA (Rajhi, Ali A.); Kadhim, MM (Kadhim, Mustafa M.)

Source: DIAMOND AND RELATED MATERIALS **Volume:** 139 **Article Number:** 110303 **DOI:** 10.1016/j.diamond.2023.110303 **Early Access Date:** AUG 2023 **Published:** NOV 2023

Record 698 of 1000

Title: Iterative Solutions for the Nonlinear Heat Transfer Equation of a Convective-Radiative Annular Fin with Power Law Temperature-Dependent Thermal Properties

Author(s): Kumar, RSV (Kumar, R. S. Varun); Sarris, IE (Sarris, Ioannis E.); Sowmya, G (Sowmya, G.); Abdulrahman, A (Abdulrahman, Amal)

Source: SYMMETRY-BASEL **Volume:** 15 **Issue:** 6 **Article Number:** 1204 **DOI:** 10.3390/sym15061204 **Published:** JUN 2023

Record 699 of 1000

Title: Triphenylamine-boron complexes: molecular thermometry and alkyl chain controlled molecular fluorescent liquids

Author(s): Gayathri, P (Gayathri, Parthasarathy); Ravi, S (Ravi, Sasikala); Karthikeyan, S (Karthikeyan, Subramanian); Mohitkar, A (Mohitkar, Anuradha); Jayanty, S (Jayanty, Subbalakshmi); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 15 **Pages:** 7288-7298 **DOI:** 10.1039/d2nj04474a **Early Access Date:** MAR 2023 **Published:** APR 11 2023

Record 700 of 1000

Title: Assessment of ecological risk for heavy metals in surface sediment of an urban river in a developing country

Author(s): Islam, MS (Islam, Md Saiful); Kabir, MH (Kabir, Md Humayun); Ali, MM (Ali, Mir Mohammad); Islam, MT (Islam, Md Towhidul); Niger, A (Niger, Asfia); Kabir, MH (Kabir, Md Humayun); Ismail, Z (Ismail, Zuhilmi); Ahmed, S (Ahmed, Sujat); Ibrahim, KA (Ibrahim, Khalid A.); Idris, AM (Idris, Abubakr M.)

Source: INTERNATIONAL JOURNAL OF SEDIMENT RESEARCH **Volume:** 38 **Issue:** 6 **Pages:** 834-846 **DOI:** 10.1016/j.ijsrc.2023.07.002 **Early Access Date:** OCT 2023 **Published:** DEC 2023

Record 701 of 1000

Title: Synthesis and application of metal nanoparticles-loaded mesoporous silica toward the reduction of organic pollutants in a simple and binary system

Author(s): Habeche, F (Habeche, Fatima); Boukoussa, B (Boukoussa, Bouhadjar); Issam, I (Issam, Ismail); Mokhtar, A (Mokhtar, Adel); Lu, XN (Lu, Xinnan); Iqbal, J (Iqbal, Jibran); Benali, F (Benali, Fadila); Hacini, S (Hacini, Salih); Hachemaoui, M (Hachemaoui, Mohammed); Abboud, M (Abboud, Mohamed)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 151 **Article Number:** 110572 **DOI:** 10.1016/j.inoche.2023.110572 **Early Access Date:** MAR 2023 **Published:** MAY 2023

Record 702 of 1000

Title: Synthesis of ZnO/MoS₂ heterojunction with the green Ag nanoparticles for the efficient sunlight photocatalytic activity

Author(s): Khalid, I (Khalid, Iqra); Tahir, MB (Tahir, Muhammad Bilal); Sagir, M (Sagir, M.); Dahshan, A (Dahshan, A.); Alzaid, M (Alzaid, Meshal); Alrobei, H (Alrobei, Hussein)

Source: OPTICAL AND QUANTUM ELECTRONICS **Volume:** 55 **Issue:** 1 **Article Number:** 21 **DOI:** 10.1007/s11082-022-04263-w **Published:** JAN 2023

Record 703 of 1000

Title: A comprehensive study of the sources, extraction methods and structures of the Saponin compounds for its antidiabetic activity

Author(s): Afzal, MU (Afzal, Muhammad Umair); Pervaiz, M (Pervaiz, Muhammad); Ejaz, A (Ejaz, Anam); Bajwa, E (Bajwa, Eisha); Naz, S (Naz, Sadaf); Saeed, Z (Saeed, Zohaib); Ullah, S (Ullah, Sami); Gillani, SS (Gillani, Syeda Shaista); Kan, RRM (Kan, Rana Rashad Mehmood); Younas, U (Younas, Umer)

Source: BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY **Volume:** 54 **Article Number:** 102913 **DOI:** 10.1016/j.bcab.2023.102913 **Early Access Date:** NOV 2023 **Published:** NOV 2023

Record 704 of 1000

Title: Olive stone as an eco-friendly bio-adsorbent for elimination of methylene blue dye from industrial wastewater

Author(s): Alardhi, SM (Alardhi, Saja M.); Salih, HG (Salih, Hussein G.); Ali, NS (Ali, Nisreen S.); Khalbas, AH (Khalbas, Ali H.); Salih, IK (Salih, Issam K.); Saady, NMC (Saady, Noori M. Cata); Zendeheboudi, S (Zendeheboudi, Sohrab); Albayati, TM (Albayati, Talib M.); Harharah, HN (Harharah, Hamed N.)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 21063 **DOI:** 10.1038/s41598-023-47319-x **Published:** NOV 30 2023

Record 705 of 1000

Title: Highly-Efficient Ni@CuS/SGCN Nanocomposite with Superior Bifunctional Electrocatalytic Activity for Water Splitting

Author(s): Mehrose (Mehrose, Mohsin); Javed, M (Javed, Mohsin); Qamar, MA (Qamar, Muhammad Azam); Shariq, M (Shariq, Mohammad); Ahmed, IA (Ahmed, Inas A.); Alziyadi, KB (Alziyadi, Khadijah B.); Almutib, E (Almutib, Eman); Alaghaz, ANMA (Alaghaz, Abdel-Nasser M. A.); Azooz, RE (Azooz, R. E.); Ali, SK (Ali, Syed Kashif)

Source: JOURNAL OF THE ELECTROCHEMICAL SOCIETY **Volume:** 170 **Issue:** 11 **Article Number:** 116506 **DOI:** 10.1149/1945-7111/ad0ebc **Published:** NOV 1 2023

Record 706 of 1000

Title: Evidence on temperature and concentration of reducing agents to control the nanoparticles growth and their microbial inhibitory efficacy

Author(s): Rajalakshmi, TU (Rajalakshmi, T. Uma); Reena, T (Reena, T.); Doss, A (Doss, A.); Kumar, TA (Kumar, T. Anantha); Alahmadi, TA (Alahmadi, Tahani Awad); Alharbi, SA (Alharbi, Sulaiman Ali); Mariselvam, R (Mariselvam, R.); Mideen, PK (Mideen, Ponnani Kaja)

Source: MATERIALS RESEARCH EXPRESS **Volume:** 10 **Issue:** 3 **Article Number:** 035002 **DOI:** 10.1088/2053-1591/acbf08 **Published:** MAR 1 2023

Record 707 of 1000

Title: Preparation of ionic liquids amine hybrid solvents, characterization for CO₂ absorption, and kinetic performance

Author(s): Khan, SN (Khan, Saleem Nawaz); Abbas, F (Abbas, Faheem); Enejekwu, FM (Enejekwu, Francis M.); Ullah, S (Ullah, Sami); Assiri, MA (Assiri, Mohammed Ali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 394 **Article Number:** 123725 **DOI:** 10.1016/j.molliq.2023.123725 **Early Access Date:** DEC 2023 **Published:** JAN 15 2024

Record 708 of 1000

Title: Facile synthesis of a recyclable multifunctional magnetic adsorbent prepared from H₂O₂-modified carbon clay/rice flour polymer/Fe₃O₄ nanoparticles interface for effective removal of ibuprofen

Author(s): Badawy, AM (Badawy, Aliaa M.); Farghali, AA (Farghali, Ahmed A.); Bonilla-Petriciolet, A (Bonilla-Petriciolet, Adrian); Seliem, MK (Seliem, Moaaz K.); Selim, AQ (Selim, Ali Q.); Ali, MA (Ali, Mohamed A.); Al-Dossari, M (Al-Dossari, M.); Abd EL-Gawaad, NS (Abd EL-Gawaad, N. S.); Mobarak, M (Mobarak, Mohamed); Lima, EC (Lima, Eder C.); Bendary, HI (Bendary, Hazem I.)

Source: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS **Volume:** 152 **Article Number:** 105177 **DOI:** 10.1016/j.jtice.2023.105177 **Early Access Date:** OCT 2023 **Published:** NOV 2023

Record 709 of 1000

Title: Magnetic, optoelectronic, and thermoelectric characteristics of Ln₂MnSe₄ (Ln = Yb, Lu) spinel chalcogenides: A DFT investigation

Author(s): Sameeullah, M (Sameeullah, Muhammad); Ishfaq, M (Ishfaq, Mudassir); Aldaghfag, SA (Aldaghfag, Shatha A.); Nasarullah (Nasarullah); Yaseen, M (Yaseen, Muhammad); Nazar, M (Nazar, Mubashir); Dahshan, A (Dahshan, A.)

Source: JOURNAL OF SOLID STATE CHEMISTRY **Volume:** 326 **Article Number:** 124238 **DOI:** 10.1016/j.jssc.2023.124238 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 710 of 1000

Title: Utilization of alkali-activated dolomite waste toward the fabrication of an effective adsorbent: Experimental study and statistical physics formalism for the removal of methylene blue and crystal violet

Author(s): Elshimy, AS (Elshimy, Ahmed S.); Abdel-Gawwad, HA (Abdel-Gawwad, Hamdy A.); Al-Dossari, M (Al-Dossari, M.); Abd EL-Gawaad, NS (Abd EL-Gawaad, N. S.); Bonilla-Petriciolet, A (Bonilla-Petriciolet, Adrian); Badawi, M (Badawi, Michael); Mobarak, M (Mobarak, Mohamed); Lima, EC (Lima, Eder C.); Selim, AQ (Selim, Ali Q.); Seliem, MK (Seliem, Moaaz K.)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 180 **Article Number:** 111442 **DOI:** 10.1016/j.jpcc.2023.111442 **Early Access Date:** MAY 2023 **Published:** SEP 2023

Record 711 of 1000

Title: Microwave-assisted valorization of glycerol to solketal using biomass-derived heterogeneous catalyst

Author(s): Ao, S (Ao, Supongsena); Alghamdi, LA (Alghamdi, Lana A.); Kress, T (Kress, Thomas); Selvaraj, M (Selvaraj, Manickam); Halder, G (Halder, Gopinath); Wheatley, AEH (Wheatley, Andrew E. H.); Rokhum, SL (Rokhum, Samuel Lalthazuala)

Source: FUEL **Volume:** 345 **Article Number:** 128190 **DOI:** 10.1016/j.fuel.2023.128190 **Early Access Date:** APR 2023 **Published:** AUG 1 2023

Record 712 of 1000

Title: A novel hydrazone platform for the recognition of Cd²⁺ and F⁻ ions: Imaging analysis in Zebrafish embryos

Author(s): Karuppiah, K (Karuppiah, Krishnaveni); Malini, N (Malini, Nelson); Chinnamadhayan, M (Chinnamadhayan, Muniyappan); Yesudhasan, C (Yesudhasan, Chinnaraj); Sepperumal, M (Sepperumal, Murugesan); Rajabathar, JR (Rajabathar, Jothi Ramalingam); Karnan, M (Karnan, Muthusamy); Siva, A (Siva, Ayyanar); Selvaraj, M (Selvaraj, Manickam)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1282 **Article Number:** 135152 **DOI:** 10.1016/j.molstruc.2023.135152 **Early Access Date:** FEB 2023 **Published:** JUN 15 2023

Record 713 of 1000

Title: Ta₂C MXene: Nonlinear optical properties and application in femtosecond fiber laser

Author(s): Guo, J (Guo, Jia); Liu, ZH (Liu, Zhihao); Wageh, S (Wageh, S.); Al-Hartomy, OA (Al-Hartomy, Omar A.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Ge, YQ (Ge, Yanqi); He, WL (He, Wenlong); Wei, SR (Wei, Songrui); Bao, WL (Bao, Wenli); Zhang, H (Zhang, Han)

Source: OPTICS AND LASER TECHNOLOGY **Volume:** 161 **Article Number:** 109178 **DOI:** 10.1016/j.optlastec.2023.109178 **Early Access Date:** JAN 2023 **Published:** JUN 2023

Record 714 of 1000

Title: Strategic rationalization for improved photocatalytic decomposition of toxic pollutants: Immobilizing Bi₂Te₃ nanorods and V₂O₅ nanoparticles over MoS₂

nanosheets

Author(s): Palanisamy, G (Palanisamy, Govindasamy); Bhuvanewari, K (Bhuvanewari, Kandasamy); Lee, J (Lee, Jintae); Viji, A (Viji, A.); Shkir, M (Shkir, Mohd.)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 304 **Article Number:** 123400 **DOI:** 10.1016/j.saa.2023.123400 **Early Access Date:** SEP 2023 **Published:** JAN 5 2024

Record 715 of 1000

Title: Structural, mechanical, electronic, optical and thermodynamic features of lead free oxide perovskites AMnO₃ (A=Ca, Sr, Ba): DFT simulation based comparative study

Author(s): Rahman, MA (Rahman, Md. Atikur); Hasan, W (Hasan, Wakil); Hasan, MZ (Hasan, Md. Zahid); Irfan, A (Irfan, Ahmad); Mouna, SC (Mouna, Sarah Chaba); Khatun, R (Khatun, Rukaia); Sarker, MAR (Sarker, Md. Abdur Razzaque); Rahaman, MZ (Rahaman, Md. Zahidur); Rahman, M (Rahman, Mahmudur)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 668 **Article Number:** 415215 **DOI:** 10.1016/j.physb.2023.415215 **Early Access Date:** AUG 2023 **Published:** NOV 1 2023

Record 716 of 1000

Title: Enhancement of the photocatalytic performance of Y₂O₃-ZnO nanocomposites under visible light: Towards multifunctional materials for electronic and environmental applications

Author(s): AlAbdulaal, TH (AlAbdulaal, T. H.); AlShadidi, M (AlShadidi, M.); Hussien, MSA (Hussien, Mai S. A.); Bouzidi, A (Bouzidi, A.); Yahia, IS (Yahia, I. S.)

Source: OPTICAL MATERIALS **Volume:** 139 **Article Number:** 113751 **DOI:** 10.1016/j.optmat.2023.113751 **Early Access Date:** APR 2023 **Published:** MAY 2023

Record 717 of 1000

Title: Structural, electronic, magnetic, and optical properties of MFe₂O₄ (M = Ni, Fe, Co) spinel ferrites: A density functional theory study

Author(s): Munawar, HB (Munawar, Hafiza Benish); Hussain, A (Hussain, Abid); Gouadria, S (Gouadria, Soumaya); Noreen, S (Noreen, Shahzadi); Bibi, N (Bibi, Nazia); Tariq, A (Tariq, Amna); Tahir, MB (Tahir, Muhammad Bilal); Rehman, JU (Rehman, Jalil Ur); Arshad, S (Arshad, Saira); Ali, HE (Ali, H. Elhosiny)

Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY **Volume:** 123 **Issue:** 14 **DOI:** 10.1002/qua.27124 **Early Access Date:** MAR 2023 **Published:** JUL 15 2023

Record 718 of 1000

Title: Photo and temperature responsive novel surface active ionic liquid-based polymeric hydrogel

Author(s): Patel, T (Patel, Tapas); Pansuriya, R (Pansuriya, Raviraj); Mehra, S (Mehra, Sanjay); Kumar, A (Kumar, Arvind); El Seoud, O (El Seoud, Omar); Assiri, MA (Assiri, Mohammed A.); Malek, N (Malek, Naved)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 391 **Article Number:** 123099 **DOI:** 10.1016/j.molliq.2023.123099 **Early Access Date:** OCT 2023 **Part:** A **Published:** DEC 1 2023

Record 719 of 1000

Title: Vibrational and transport phenomenon in Cs₂CdZnCl₆ double perovskite: A DFT study

Author(s): Erum, N (Erum, Nazia); Sharma, R (Sharma, Ramesh); Ullah, H (Ullah, Hamid); Ahmad, Z (Ahmad, Zubair); Alofi, AS (Alofi, Ayman S.); Sfina, N (Sfina, N.)

Source: SOLID STATE IONICS **Volume:** 403 **Article Number:** 116401 **DOI:** 10.1016/j.ssi.2023.116401 **Early Access Date:** NOV 2023 **Published:** DEC 15 2023

Record 720 of 1000

Title: Effect of La-doping on NiO photocatalyst for enhancing photocatalytic degradation performance under visible light irradiation: DFT calculations and degradation mechanism

Author(s): Aejitha, S (Aejitha, S.); Dhanraj, G (Dhanraj, G.); Govindaraj, T (Govindaraj, T.); Kumar, NS (Kumar, N. Senthil); Maiz, F (Maiz, F.); Shkir, M (Shkir, Mohd.); Kim, WK (Kim, Woo Kyoung); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, DH (Kim, Dong Hyo)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 156 **Article Number:** 111172 **DOI:** 10.1016/j.inoche.2023.111172 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 721 of 1000

Title: Impact of Photonic Band Edge Enabled Slow Light Effect on Optical Limiting Activity of Graphene Quantum Dots in All Polymer 1-D Photonic Crystals

Author(s): Edappadikkunnummal, S (Edappadikkunnummal, Shiju); Purayil, NP (Purayil, Nikhil Puthiya); Francis, J (Francis, Jaismon); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Pannipara, M (Pannipara, Mehboobali); Muraleedharan, RT (Muraleedharan, Remya Thundiparambil); Mercy, AS (Mercy, Anitta Sha); Desai, NR (Desai, Narayana Rao)

Source: ACS APPLIED POLYMER MATERIALS **Volume:** 5 **Issue:** 8 **Pages:** 5896-5905 **DOI:** 10.1021/acspam.3c00547 **Early Access Date:** JUL 2023 **Published:** JUL 24 2023

Record 722 of 1000

Title: Implications of Pharmacokinetic Potentials of Pioglitazone Enantiomers in Rat Plasma Mediated through Glucose Uptake Assay

Author(s): Spandana, T (Spandana, Tatineni); Goli, VVN (Goli, Veera Venkata Nishanth); Rahamathulla, M (Rahamathulla, Mohamed); Talath, S (Talath, Sirajunisa); Osmani, RAM (Osmani, Riyaz Ali M.); Ahmed, MM (Ahmed, Mohammed Muqtader); Farhana, SA (Farhana, Syeda Ayesha); Hussain, SM (Hussain, Shalam Mohamed); Gurupadayya, B (Gurupadayya, Bannimath)

Source: MOLECULES **Volume:** 28 **Issue:** 13 **Article Number:** 4911 **DOI:** 10.3390/molecules28134911 **Published:** JUL 2023

Record 723 of 1000

Title: Ruthenium doping: An effective strategy for boosting nitrite electroreduction to ammonia over titanium dioxide nanoribbon array

Author(s): Ren, YC (Ren, Yuchun); Zhou, Q (Zhou, Qiang); Li, J (Li, Jun); He, X (He, Xun); Fan, XY (Fan, Xiaoya); Fu, YS (Fu, Yongsheng); Fang, XD (Fang, Xiaodong); Cai, ZW (Cai, Zhengwei); Sun, SJ (Sun, Shengjun); Hamdy, MS (Hamdy, Mohamed S.); Zhang, J (Zhang, Jing); Gong, F (Gong, Feng); Liu, YQ (Liu, Yiqing); Sun, XP (Sun, Xuping)

Source: JOURNAL OF COLLOID AND INTERFACE SCIENCE **Volume:** 645 **Pages:** 806-812 **DOI:** 10.1016/j.jcis.2023.05.020 **Early Access Date:** MAY 2023 **Published:** SEP 2023

Record 724 of 1000

Title: Decoration of polystyrene with nanoparticles of cobalt hydroxide as new composites for the removal of Fe³⁺ and methylene blue from industrial wastewater

Author(s): Adel, M (Adel, Marzouk); El Naggar, AMA (El Naggar, Ahmed M. A.); Bakry, A (Bakry, Ahmed); Hilal, MH (Hilal, Maher H.); El-Zahhar, AA (El-Zahhar, Adel A.); Taha, MH (Taha, Mohamed H.); Marey, A (Marey, A.)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 36 **Pages:** 25334-25349 **DOI:** 10.1039/d3ra03794k **Published:** AUG 21 2023

Record 725 of 1000

Title: Ultrasound-Assisted Synthesis of Some Novel 1,3-Diarylpyrazolyl α -Aminophosphonates Conjugated with Nitrogen Heterocycles as Antifungal Agents using Cd²⁺ Nanoparticles as an Efficient Catalyst

Author(s): Hussien, M (Hussien, M.); Ali, TE (Ali, T. E.); Sayed, IEE (Sayed, I. E. El); Abdelaleem, AH (Abdelaleem, A. H.); Torkey, HM (Torkey, H. M.); Assiri, MA (Assiri, M. A.); Yahia, IS (Yahia, I. S.)

Source: RUSSIAN JOURNAL OF ORGANIC CHEMISTRY **Volume:** 59 **Issue:** 7 **Pages:** 1214-1223 **DOI:** 10.1134/S1070428023070138 **Published:** JUL 2023

Record 726 of 1000

Title: Enhanced Adsorption of Azoxystrobin from Water by As-Prepared Silica Nanoparticles

Author(s): Malhat, F (Malhat, Farag); Abdallah, OI (Abdallah, Osama I.); Hussien, M (Hussien, Mohamed); Youssef, AM (Youssef, Ahmed M.); Alminderej, FM (Alminderej, Fahad M.); Saleh, SM (Saleh, Sayed M.)

Source: COATINGS **Volume:** 13 **Issue:** 7 **Article Number:** 1286 **DOI:** 10.3390/coatings13071286 **Published:** JUL 2023

Record 727 of 1000

Title: Study of Membranes with Nanotubes to Enhance Osmosis Desalination Efficiency by Using Machine Learning towards Sustainable Water Management

Author(s): Amari, A (Amari, Abdelfattah); Ali, MH (Ali, Mohammed Hasan); Jaber, MM (Jaber, Mustafa Musa); Spalevic, V (Spalevic, Velibor); Novicevic, R (Novicevic, Rajko)

Source: MEMBRANES **Volume:** 13 **Issue:** 1 **Article Number:** 31 **DOI:** 10.3390/membranes13010031 **Published:** JAN 2023

Record 728 of 1000

Title: Long range push-pull based NIR switching and photovoltaic optimization as energetic offset novel study design of novel quinazoline anchoring dyes

Author(s): Hassan, AU (Hassan, Abrar U.); Sumrra, SH (Sumrra, Sajjad H.); Mohyuddin, A (Mohyuddin, Ayesha); Imran, M (Imran, Muhammad)

Source: MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS **Volume:** 299 **Article Number:** 117050 **DOI:** 10.1016/j.mseb.2023.117050 **Early Access Date:** NOV 2023 **Published:** JAN 2024

Record 729 of 1000

Title: Progress in One-Step Conversion of Methane to Ethanol: Recent Techniques, Molecular Insights, Market and Future Perspective

Author(s): Ali, SS (Ali, Syed Saif); Shoeb, MA (Shoeb, Mohammad Ahmad); Ansari, KB (Ansari, Khursheed B.); Mesfer, MK (Mesfer, Mohammed K.); Danish, M (Danish, Mohd); Ansari, MY (Ansari, M. Yusuf)

Source: ENERGY & FUELS **DOI:** 10.1021/acs.energyfuels.3c02828 **Early Access Date:** OCT 2023

Record 730 of 1000

Title: Antiemetic effects of sclareol, possibly through 5-HT₃ and D₂ receptor interaction pathways: *in vivo* and *in silico* studies

Author(s): Bappi, MH (Bappi, Mehedi Hasan); Prottay, AA (Prottay, Abdullah Al Shamsh); Al-Khafaji, K (Al-Khafaji, Khattab); Akbor, MS (Akbor, Md Showkoth); Hossain, MK (Hossain, Muhammad Kamal); Islam, MS (Islam, Md Shahazul); Asha, AI (Asha, Afia Ibnath); Medeiros, CR (Medeiros, Cassio Rocha); Tahim, CM (Tahim, Catarina Martins); Lucetti, ECP (Lucetti, Elaine Cristina Pereira); Coutinho, HDM (Coutinho, Henrique Douglas Melo); Kamli, H (Kamli, Hossam); Islam, MT (Islam, Muhammad Torequl)

Source: FOOD AND CHEMICAL TOXICOLOGY **Volume:** 181 **Article Number:** 114068 **DOI:** 10.1016/j.fct.2023.114068 **Early Access Date:** OCT 2023 **Published:** NOV 2023

Record 731 of 1000

Title: Fe-based dual-center heterogeneous catalyst assisted with reduced graphene oxide for the activation of peroxymonosulfate

Author(s): Shahzad, A (Shahzad, Ajmal); Ali, J (Ali, Jawad); Ullah, MW (Ullah, Muhammad Wajid); Aziz, K (Aziz, Kazim); Javed, MA (Javed, Muhammad Asif); Hussain, F (Hussain, Fida); Manan, S (Manan, Sehrish); Khan, KA (Khan, Khalid Ali); Alomayri, T (Alomayri, Thamer); Raheem, MWA (Raheem, M. Weam Abdul); Yang, G (Yang, Guang)

Source: ADVANCED COMPOSITES AND HYBRID MATERIALS **Volume:** 6 **Issue:** 5 **Article Number:** 185 **DOI:** 10.1007/s42114-023-00757-7 **Published:** OCT 2023

Record 732 of 1000

Title: Preparation of CeO₂-WO₃ binary heterojunction photocatalyst for sustainable tetracycline degradation: Optimization of synthesis and degradation conditions, characterization, transformation pathway, and dominant reactive species

Author(s): Zhang, H (Zhang, Heng); Zhu, YW (Zhu, Yawei); Nutakki, TUK (Nutakki, Tirumala Uday Kumar); Alghassab, MA (Alghassab, Mohammed A.); Alkhalaf, S (Alkhalaf, Salem); Islam, S (Islam, Saiful); Elmasry, Y (Elmasry, Yasser)

Source: SURFACES AND INTERFACES **Volume:** 44 **Article Number:** 103793 **DOI:** 10.1016/j.surfin.2023.103793 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 733 of 1000

Title: Adsorption and removal of the harmful pesticide 2,4-dichlorophenylacetic acid from an aqueous environment via coffee waste biochar: Synthesis, characterization, adsorption study and optimization via Box-Behnken design

Author(s): Almahri, A (Almahri, Albandary); Abou-Melha, KS (Abou-Melha, Khlood S.); Katouah, HA (Katouah, Hanadi A.); Al-bonayan, AM (Al-bonayan, Ameena M.); Saad, FA (Saad, Fawaz A.); El-Desouky, MG (El-Desouky, Mohamed G.); El-Bindary, AA (El-Bindary, Ashraf A.)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1293 **Article Number:** 136238 **DOI:** 10.1016/j.molstruc.2023.136238 **Early Access Date:** JUL 2023 **Published:** DEC 5 2023

Record 734 of 1000

Title: Zinc nanoparticles encapsulated in porous biopolymer beads for reduction of water pollutants and antimicrobial activity

Author(s): Benali, F (Benali, Fadila); Boukoussa, B (Boukoussa, Bouhadjar); Issam, I (Issam, Ismail); Iqbal, J (Iqbal, Jibrán); Mokhtar, A (Mokhtar, Adel); Hachemaoui, M (Hachemaoui, Mohammed); Habeche, F (Habeche, Fatima); Hacini, S (Hacini, Salih); Abboud, M (Abboud, Mohamed)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 248 **Article Number:** 125832 **DOI:** 10.1016/j.ijbiomac.2023.125832 **Early Access Date:** JUL 2023 **Published:** SEP 1 2023

Record 735 of 1000

Title: Human exposures to multiple water sources in the southwestern coastal region of Bangladesh: water quality, pollution sources, and preliminary health risks appraisals

Author(s): Rashid, MB (Rashid, Md Bazlar); Siddique, MA (Abu Bakar Siddique, Md); Khan, R (Khan, Rahat); Habib, MA (Habib, Md Ahsan); Islam, MS (Islam, Md Saiful); Akbor, MA (Akbor, Md Ahedul); Haque, AJME (Haque, A. J. M. Emdadul); Sheik, MR (Sheik, Md Rubel); Kabir, MA (Kabir, Mohammad Alamgir); Sarker, MN (Sarker, Md Nuruddin); Idris, AM (Idris, Abubakr M. M.)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 37 **Pages:** 88132-88154 **DOI:** 10.1007/s11356-023-28108-5 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 736 of 1000

Title: Dual experimental and computational approach for study of optical and nonlinear optical properties of naphthalimide derivatives

Author(s): Kumar, S (Kumar, Santosh); Muhammad, S (Muhammad, Shabbir); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Alarfaji, SS (Alarfaji, Saleh S.); Singh, J (Singh, Jay); Algarni, H (Algarni, H.); Koh, J (Koh, Joonseok)

Source: CHEMICAL PAPERS **Volume:** 77 **Issue:** 8 **Pages:** 4369-4378 **DOI:** 10.1007/s11696-023-02785-5 **Early Access Date:** MAR 2023 **Published:** AUG 2023

Record 737 of 1000

Title: Epigenetic alterations of *miR-155* and global DNA methylation as potential mediators of ochratoxin A cytotoxicity and carcinogenicity in human lung fibroblasts

Author(s): Kharboush, TG (Kharboush, Taghrid G.); Ahmed, IA (Ahmed, Inas A.); Farag, AA (Farag, Amina A.); Kharboush, T (Kharboush, Tayseir); Sayed, AEH (Sayed, Alaa El-Din H.); Abdel-Kareim, AM (Abdel-Kareim, Amal M.); Al Mohaini, M (Al Mohaini, Mohammed); Attia, H (Attia, Hend); Eid, RA (Eid, Refaat A.); Zaki, MSA (Zaki, Mohamed Samir A.); Al-Tabbakh, AM (Al-Tabbakh, Al-Shaimaa M.)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 31 **Issue:** 4 **Pages:** 5473-5483 **DOI:** 10.1007/s11356-023-31283-0 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 738 of 1000

Title: Tailoring porous organic polymers with enhanced capacity, thermal stability and surface area for perfluorooctane sulfonic acid (PFOS) elimination from water environment

Author(s): Elboughdiri, N (Elboughdiri, Nouredine); Amari, A (Amari, Abdelfattah); Harharah, HN (Harharah, Hamed N.); Al-Ansari, N (Al-Ansari, Nadhir); Sammen, SS (Sammen, Saad Sh.)

Source: APPLIED WATER SCIENCE **Volume:** 13 **Issue:** 11 **Article Number:** 211 **DOI:** 10.1007/s13201-023-02014-0 **Published:** NOV 2023

Record 739 of 1000

Title: Design, synthesis, X-ray crystal structures, anticancer, DNA binding, and molecular modelling studies of pyrazole-pyrazoline hybrid derivatives

Author(s): Rana, M (Rana, Manish); Hungyo, H (Hungyo, Hungarla); Parashar, P (Parashar, Palak); Ahmad, S (Ahmad, Shaban); Mehendi, R (Mehendi, Rabiya); Tandon, V (Tandon, Vibha); Raza, K (Raza, Khalid); Assiri, MA (Assiri, Mohammed A.); Ali, TE (Ali, Tarik E.); El-Bahy, ZM (El-Bahy, Zeinhom M.); Rahisuddin (Rahisuddin)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 38 **Pages:** 26766-26779 **DOI:** 10.1039/d3ra04873j **Published:** SEP 4 2023

Record 740 of 1000

Title: The potentials of boron-doped (nitrogen deficient) and nitrogen-doped (boron deficient) BNNT photocatalysts for decontamination of pollutants from water bodies

Author(s): Itas, YS (Itas, Yahaya Saadu); Isah, KA (Isah, Kamaluddeen Abubakar); Nuhu, AH (Nuhu, Awwal Hussain); Razali, R (Razali, Razif); Tata, S (Tata, Salisu); Naseer, KA (Naseer, K. A.); Idris, AM (Idris, Abubakr M. M.); Ullah, MH (Ullah, Md. Habib); Khandaker, MU (Khandaker, Mayeen Uddin)

Record 741 of 1000

Title: Noticeable effect of coating temperature on Co₃O₄ thin films developed through low-cost nebulizer spray pyrolysis for photo-sensing applications

Author(s): Balakarthekeyan, R (Balakarthekeyan, R.); Santhanam, A (Santhanam, A.); Vibha, K (Vibha, K.); Shkir, M (Shkir, Mohd.); Ashraf, IM (Ashraf, I. M.); Kumar, M (Kumar, Mohanraj); Reddy, MRV (Reddy, Minnam Reddy Vasudeva)

Source: SURFACES AND INTERFACES Volume: 38 Article Number: 102849 DOI: 10.1016/j.surfin.2023.102849 Early Access Date: APR 2023 Published: JUN 2023

Record 742 of 1000

Title: Highly enhanced electrocatalytic OER activity of water-coordinated copper complexes: effect of lattice water and bridging ligand

Author(s): Muthukumar, P (Muthukumar, Pandi); Arunkumar, G (Arunkumar, Gunasekaran); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: RSC ADVANCES Volume: 13 Issue: 18 Pages: 12065-12071 DOI: 10.1039/d3ra01186k Published: APR 17 2023

Record 743 of 1000

Title: Structural, morphological and optical properties at various concentration of Ag doped SiO₂-NPs via sol gel method for antibacterial and anticancer activities

Author(s): Munir, T (Munir, Tariq); Mahmood, A (Mahmood, Arslan); Peter, N (Peter, Nigum); Rafaqat, N (Rafaqat, Noman); Imran, M (Imran, Muhammad); Ali, HE (Ali, H. Elhosiny)

Source: SURFACES AND INTERFACES Volume: 38 Article Number: 102759 DOI: 10.1016/j.surfin.2023.102759 Early Access Date: MAR 2023 Published: JUN 2023

Record 744 of 1000

Title: CSRR loaded multiband THz MIMO antenna for nano-communications and bio-sensing applications

Author(s): Saxena, G (Saxena, Gaurav); Alam, M (Alam, Maksud); Roy, M (Roy, Manidipa); Barnawi, AB (Barnawi, Abdulwasa Bakr); Khan, TMY (Khan, T. M. Yunus); Yadava, RL (Yadava, Ram Lal); Chintakindi, S (Chintakindi, Sanjay); Jain, R (Jain, Reena); Singh, H (Singh, Himanshu); Awasthi, YK (Awasthi, Yogendra Kumar)

Source: NANO COMMUNICATION NETWORKS Volume: 38 Article Number: 100481 DOI: 10.1016/j.nancom.2023.100481 Early Access Date: NOV 2023 Published: DEC 2023

Record 745 of 1000

Title: Fabrication and evaluation of anticancer potential of diosgenin incorporated chitosan-silver nanoparticles; *in vitro*, *in silico* and *in vivo* studies

Author(s): Zaib, S (Zaib, Sumera); Shah, HS (Shah, Hamid Saeed); Khan, I (Khan, Imtiaz); Jawad, Z (Jawad, Zobia); Sarfraz, M (Sarfraz, Muhammad); Riaz, H (Riaz, Huma); Asjad, HMM (Asjad, Hafiz Muhammad Mazhar); Ishtiaq, M (Ishtiaq, Memoona); Ogaly, HA (Ogaly, Hanan A.); Othman, G (Othman, Gehan); Ahmed, DA (Ahmed, Dalia Abd El Moneim)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 254 Article Number: 127975 DOI: 10.1016/j.ijbiomac.2023.127975 Early Access Date: NOV 2023 Part: 3 Published: JAN 2024

Record 746 of 1000

Title: Ultra-sensitive pressure sensing capabilities of defective one-dimensional photonic crystal

Author(s): Aly, AH (Aly, Arafa H.); Mohamed, BA (Mohamed, B. A.); Al-Dossari, M (Al-Dossari, M.); Mohamed, D (Mohamed, D.); Awasthi, SK (Awasthi, S. K.); Sillanpää, M (Sillanpää, Mika)

Source: SCIENTIFIC REPORTS Volume: 13 Issue: 1 Article Number: 18876 DOI: 10.1038/s41598-023-45680-5 Published: NOV 1 2023

Record 747 of 1000

Title: Hybrid photonic device based on Graphene Oxide (GO) doped P3HT-PCBM/p-Silicon for photonic applications

Author(s): Demirezen, S (Demirezen, S.); Dere, A (Dere, A.); Çetinkaya, HG (Cetinkaya, H. G.); Al-Sehemi, AG (Al-Sehemi, A. G.); Al-Ghamdi, AA (Al-Ghamdi, A. A.); Yakuphanoglu, F (Yakuphanoglu, F.)

Record 748 of 1000

Title: Mathematical Modelling and Optimization for Facile Synthesis of Structured Activated Carbon (ACs) from Adansonia kilima (Baobab) Wood Chips Integrating Microwave-Assisted Pyrolysis for the Elimination of Lead (II) Cations from Wastewater Effluents

Author(s): Sellamuthu, S (Sellamuthu, Santhana); Chowdhury, ZZ (Chowdhury, Zaira Zaman); Khalid, K (Khalid, Khalisanni); Shibly, SM (Shibly, Shahjalal Mohd.); Rahman, MM (Rahman, Md Mahfujur); Rana, M (Rana, Masud); Badruddin, IA (Badruddin, Irfan Anjum); Khaleed, HMT (Khaleed, H. M. T.); Kamangar, S (Kamangar, Sarfaraz); Bin Johan, MR (Bin Johan, Mohd. Rafie); Hussein, M (Hussein, Mohamed); Mitra, A (Mitra, Ajita); Faisal, A (Faisal, Abu Nasser)

Source: MOLECULES Volume: 28 Issue: 18 Article Number: 6640 DOI: 10.3390/molecules28186640 Published: SEP 2023

Record 749 of 1000

Title: Potential Applications of Microencapsulated Essential Oil Components in Mosquito Repellent Textile Finishes

Author(s): Murtaza, M (Murtaza, Maida); Hussain, AI (Hussain, Abdullah Ijaz); Kamal, GM (Kamal, Ghulam Mustafa); Nazir, S (Nazir, Saima); Chatha, SAS (Chatha, Shahzad Ali Shahid); Asmari, M (Asmari, Mufarreh); Uddin, J (Uddin, Jalal); Murtaza, S (Murtaza, Shahzad)

Source: COATINGS Volume: 13 Issue: 8 Article Number: 1467 DOI: 10.3390/coatings13081467 Published: AUG 2023

Record 750 of 1000

Title: Sulfur adlayer on gold surface for attaining H₂O₂ reduction in alkaline medium: Catalysis, kinetics, and sensing activities

Author(s): Ahsan, M (Ahsan, Mohebul); Dutta, A (Dutta, Anim); Akermi, M (Akermi, Mehdi); Alam, MM (Alam, Mohammad Mahtab); Uddin, SMN (Uddin, S. M. Nizam); Khatun, N (Khatun, Nazia); Hasnat, MA (Hasnat, Mohammad A.)

Source: JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 934 Article Number: 117281 DOI: 10.1016/j.jelechem.2023.117281 Early Access Date: MAR 2023 Published: APR 1 2023

Record 751 of 1000

Title: Investigation of Molecular Structure, Topological and Molecular Docking Studies of a Novel Anticancer Drug Pacritinib

Author(s): Elangovan, N (Elangovan, N.); Alzahrani, AY (Alzahrani, Abdullah Y.); Ajithkumar, G (Ajithkumar, G.); Rajimon, KJ (Rajimon, K. J.); Thomas, R (Thomas, Renjith)

Source: POLYCYCLIC AROMATIC COMPOUNDS Article Number: 2249575 DOI: 10.1080/10406638.2023.2249575 Early Access Date: AUG 2023

Record 752 of 1000

Title: Finite element modeling of dual convection in a Y shaped porous cavity containing viscous fluid

Author(s): Aslam, MA (Aslam, Muhammad Aqib); Yao, HL (Yao, Hailou); Al Mesfer, MK (Al Mesfer, Mohammed K.); Irshad, K (Irshad, Kashif); Chuhan, IS (Chuhan, Imran Shabir); Danish, M (Danish, Mohd); Hassan, AM (Hassan, Ahmed M.); Shahzad, H (Shahzad, Hasan); Eldin, SM (Eldin, Sayed M.)

Source: FRONTIERS IN PHYSICS Volume: 11 Article Number: 1207462 DOI: 10.3389/fphy.2023.1207462 Published: JUL 4 2023

Record 753 of 1000

Title: Synthesis of acrylamide-copper oxide hybrid structure as a novel photocatalyst for visible-light induced desulphurisation of petroleum diesel fuel

Author(s): El Nagggar, AMA (El Nagggar, Ahmed M. A.); Metwally, UA (Metwally, Usama A.); Morshedy, AS (Morshedy, Asmaa S.); Soliman, EA (Soliman, Emad A.); Hashem, AI (Hashem, Ahmed I.); El-Zahhar, AA (El-Zahhar, Adel A.); Abd el-Satar, NEA (Abd el-Satar, Nour E. A.)

Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY DOI: 10.1080/03067319.2023.2226072 Early Access Date: JUN 2023

Record 754 of 1000

Title: Synthesis, Spectroscopic and Nonlinear Optical Properties, and Antimicrobial Activity of Cu(II), Co(II), and Ni(II) Complexes: Experimental and Theoretical Studies

Author(s): Hussain, R (Hussain, Riaz); Rubab, SL (Rubab, Syed Laila); Maryam, A (Maryam, Afifa); Ashraf, T (Ashraf, Tuba); Arshad, M (Arshad, Muhammad); Lal, K (Lal, Kiran); Sumrra, SH (Sumrra, Sajjad H.); Ashraf, S (Ashraf, Shafaq); Ali, B (Ali, Bakhat)

Source: ACS OMEGA **Volume:** 8 **Issue:** 45 **Pages:** 42598-42609 **DOI:** 10.1021/acsomega.3c05322 **Early Access**

Date: NOV 2023 **Published:** NOV 1 2023

Record 755 of 1000

Title: Human exposures to multiple water sources in the southwestern coastal region of Bangladesh: water quality, pollution sources, and preliminary health risks appraisals (vol 30, pg 88132, 2023)

Author(s): Rashid, MB (Rashid, Md Bazlar); Siddique, MA (Siddique, Md Abu Bakar); Khan, R (Khan, Rahat); Habib, MA (Habib, Md Ahsan); Islam, MS (Islam, Md Saiful); Akbor, MA (Akbor, Md Ahedul); Haque, AJME (Haque, A. J. M. Emdadul); Sheik, MR (Sheik, Md Rubel); Kabir, MA (Kabir, Mohammad Alamgir); Sarker, MN (Sarker, Md Nuruddin); Idris, AM (Idris, Abubakr M.)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 41 **Pages:** 95035-95035 **DOI:** 10.1007/s11356-023-29227-9 **Early Access Date:** AUG 2023 **Published:** SEP 2023

Record 756 of 1000

Title: A Hierarchical CuO Nanowire@CoFe-Layered Double Hydroxide Nanosheet Array as a High-Efficiency Seawater Oxidation Electrocatalyst

Author(s): Yang, XY (Yang, Xiya); He, X (He, Xun); He, L (He, Lang); Chen, J (Chen, Jie); Zhang, LC (Zhang, Longcheng); Liu, Q (Liu, Qian); Cai, ZW (Cai, Zhengwei); Yang, CX (Yang, Chaoxin); Sun, SJ (Sun, Shengjun); Zheng, DD (Zheng, Dongdong); Farouk, A (Farouk, Asmaa); Hamdy, MS (Hamdy, Mohamed S. S.); Ren, ZG (Ren, Zhaogang); Sun, XP (Sun, Xuping)

Source: MOLECULES **Volume:** 28 **Issue:** 15 **Article Number:** 5718 **DOI:** 10.3390/molecules28155718 **Published:** AUG 2023

Record 757 of 1000

Title: Acid catalyzed one-pot approach towards the synthesis of curcuminoid systems: unsymmetrical diarylidene cycloalkanones, exploration of their single crystals, optical and nonlinear optical properties

Author(s): Ali, A (Ali, Akbar); Din, ZU (Din, Zia Ud); Ibrahim, M (Ibrahim, Muhammad); Ashfaq, M (Ashfaq, Muhammad); Muhammad, S (Muhammad, Shabbir); Gull, D (Gull, Dania); Tahir, MN (Tahir, Muhammad Nawaz); Rodrigues, E (Rodrigues-Filho, Edson); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Suleman, M (Suleman, Muhammad)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 7 **Pages:** 4476-4494 **DOI:** 10.1039/d2ra07681k **Published:** JAN 31 2023

Record 758 of 1000

Title: Selareol exerts synergistic antidepressant effects with quercetin and caffeine, possibly suppressing GABAergic transmission in chicks

Author(s): Kamli, H (Kamli, Hossam); Shaikh, A (Shaikh, Ahmad); Bappi, MH (Bappi, Mehedi Hasan); Raposo, A (Raposo, Antonio); Ahmad, MF (Ahmad, Md Faruque); Sonia, FA (Sonia, Fatema Akter); Akbor, MS (Akbor, Md. Showkoth); Prottay, AA (Prottay, Abdullah Al Shamsh); Goncalves, SA (Goncalves, Sheila Alves); Araujo, IM (Araujo, Isaac Moura); Coutinho, HDM (Coutinho, Henrique Douglas Melo); Elbendary, EY (Elbendary, Ehab Y.); Lho, LH (Lho, Linda Heejung); Han, HS (Han, Heesup); Islam, MT (Islam, Muhammad Torequl)

Source: BIOMEDICINE & PHARMACOTHERAPY **Volume:** 168 **Article Number:** 115768 **DOI:** 10.1016/j.biopha.2023.115768 **Early Access Date:** OCT 2023 **Published:** DEC 2023

Record 759 of 1000

Title: Increase the Efficient Use of Phosphorus Fertilizer for Maize in the Calcareous Soils

Author(s): Islam, MS (Islam, Md. Saiful); Islam, MT (Islam, Md. Towhidul); Ahmed, S (Ahmed, Suzat); Bakky, AA (Bakky, Abdullah Al); Ismail, Z (Ismail, Zuhlilmi); Ibrahim, KA (Ibrahim, Khalid A.); Idris, AM (Idris, Abubakr M.)

Source: COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS **Volume:** 55 **Issue:** 3 **Pages:** 425-440 **DOI:** 10.1080/00103624.2023.2269206 **Early Access Date:** OCT 2023 **Published:** FEB 4 2024

Record 760 of 1000

Title: An integrated overview of metals contamination, source-specific risks investigation in coal mining vicinity soils

Author(s): Chandra, K (Chandra, Krishno); Proshad, R (Proshad, Ram); Islam, M (Islam, Maksudul); Idris, AM (Idris, Abubakr M.)

Source: ENVIRONMENTAL GEOCHEMISTRY AND HEALTH **Volume:** 45 **Issue:** 11 **Pages:** 7425-7458 **DOI:** 10.1007/s10653-023-01672-y **Early Access Date:** JUL 2023 **Published:** NOV 2023

Record 761 of 1000

Title: Comparison of the ameliorative roles of crab chitosan nanoparticles and mesenchymal stem cells against cisplatin-triggered nephrotoxicity

Author(s): Shati, AA (Shati, Ali A.); Alkabli, J (Alkabli, J.); Alfaifi, MY (Alfaifi, Mohammad Y.); Elbehairi, SEI (Elbehairi, Serag Eldin I.); Elshaarawy, RFM (Elshaarawy, Reda F. M.); Serag, WM (Serag, Waleed M.); Hassan, YA (Hassan, Yasser A.)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 242 **Article Number:** 124985 **DOI:** 10.1016/j.ijbiomac.2023.124985 **Early Access Date:** JUN 2023 **Part:** 4 **Published:** JUL 1 2023

Record 762 of 1000

Title: Unraveling Extremely Damaging IRAK4 Variants and Their Potential Implications for IRAK4 Inhibitor Efficacy

Author(s): Behairy, MY (Behairy, Mohammed Y.); Eid, RA (Eid, Refaat A.); Otifi, HM (Otifi, Hassan M.); Mohammed, HM (Mohammed, Heitham M.); Alshehri, MA (Alshehri, Mohammed A.); Asiri, A (Asiri, Ashwag); Aldehri, M (Aldehri, Majed); Zaki, MSA (Zaki, Mohamed Samir A.); Darwish, KM (Darwish, Khaled M.); Elhady, SS (Elhady, Sameh S.); El-Shaer, NH (El-Shaer, Nahla H.); Eldeen, MA (Eldeen, Muhammad Alaa); Yang, SF (Yang, Shun-Fa); Su, SC (Su, Shih-Chi)

Source: JOURNAL OF PERSONALIZED MEDICINE **Volume:** 13 **Issue:** 12 **Article Number:** 1648 **DOI:** 10.3390/jpm13121648 **Published:** DEC 2023

Record 763 of 1000

Title: Synthesis of magnetic ruthenium metal-organic frameworks for efficient removal of 2,4-dichlorophenylacetic pesticide from aqueous solutions: Batch adsorption, Box-Behnken design optimization and reusability

Author(s): Al-Ahmed, ZA (Al-Ahmed, Zehbah A.); Aljohani, MM (Aljohani, Meshari M.); Sallam, S (Sallam, Sahar); Alkhatib, FM (Alkhatib, Fatmah M.); Alaysuy, O (Alaysuy, Omaymah); Alsharief, HH (Alsharief, Hatun H.); Shah, RM (Shah, Reem); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: JOURNAL OF WATER PROCESS ENGINEERING **Volume:** 56 **Article Number:** 104444 **DOI:** 10.1016/j.jwpe.2023.104444 **Early Access Date:** OCT 2023 **Published:** DEC 2023

Record 764 of 1000

Title: Third-order NLO properties and optical limiting behavior of p-toluidinium 2,4-dichlorobenzoate organic single crystal

Author(s): Devi, VK (Devi, V. Kousalya); Kousi, F (Kousi, F.); Alam, MM (Alam, M. Mujahid); Sambasivam, S (Sambasivam, S.); Ramalingam, G (Ramalingam, G.); Abith, M (Abith, M.); Girisun, TCS (Girisun, T. C. Sabari); Sudhahar, S (Sudhahar, S.)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 305 **Article Number:** 123527 **DOI:** 10.1016/j.saa.2023.123527 **Early Access Date:** OCT 2023 **Published:** JAN 15 2024

Record 765 of 1000

Title: State, synthesis, perspective applications, and challenges of Graphdiyne and its analogues: A review of recent research

Author(s): Hayat, A (Hayat, Asif); Sohail, M (Sohail, Muhammad); Ben Moussa, S (Ben Moussa, Sana); Al-Muhanna, MK (Al-Muhanna, Muhanna K.); Iqbal, W (Iqbal, Waseem); Ajmal, Z (Ajmal, Zeeshan); Raza, S (Raza, Saleem); Al-Hadeethi, Y (Al-Hadeethi, Yas); Orooji, Y (Orooji, Yasin)

Source: ADVANCES IN COLLOID AND INTERFACE SCIENCE **Volume:** 319 **Article Number:** 102969 **DOI:** 10.1016/j.cis.2023.102969 **Early Access Date:** AUG 2023 **Published:** SEP 2023

Record 766 of 1000

Title: Facile cubic Nd doped MnO nanostructure synthesis as effective electrocatalyst for oxygen evolution reaction

Author(s): Nisa, MU (Nisa, Mehar Un); Jabbour, K (Jabbour, Karam); Manzoor, S (Manzoor, Sumaira); Fawy, KF (Fawy, Khaled Fahmi); Abid, AG (Abid, Abdul Ghafoor); Hussain, F (Hussain, Fayyaz); Abdelmohsen, SAM (Abdelmohsen, Shaimaa A. M.); Alanazi, MM (Alanazi, Meznah M.); Ashiq, MN (Ashiq, Muhammad Naem)

Source: JOURNAL OF ELECTROANALYTICAL CHEMISTRY **Volume:** 945 **Article Number:** 117705 **DOI:** 10.1016/j.jelechem.2023.117705 **Early Access Date:** AUG 2023 **Published:** SEP 15 2023

Record 767 of 1000

Title: Exploring Ni-doped boron carbide nanotubes: Structural and electronic properties for proton-exchange membrane fuel cells

Author(s): Duhduh, AA (Duhduh, Alaauldeen A.); Saraswat, SK (Saraswat, Shelesh Krishna); Lagum, AA (Lagum, Abdelmajeed Adam); Al-Ma'abreh, AM (Al-Ma'abreh, Alaa M.); Alawideh, S (Alawideh, Samer); Alamri, S (Alamri, Sagr); Rajhi, AA (Rajhi, Ali A.); Kadhim, MM (Kadhim, Mustafa M.)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 155 **Article Number:** 111110 **DOI:** 10.1016/j.inoche.2023.111110 **Early Access Date:** JUL 2023 **Published:** SEP 2023

Record 768 of 1000

Title: Adaptive Self-Organizing Map Using Optimal Control

Author(s): Alkawaz, AN (Alkawaz, Ali Najem); Kanesan, J (Kanesan, Jeevan); Badruddin, IA (Badruddin, Irfan Anjum); Kamangar, S (Kamangar, Sarfaraz); Hussien, M (Hussien, Mohamed); Baig, MAA (Baig, Maughal Ahmed Ali); Ahammad, NA (Ahammad, N. Ameer)

Source: MATHEMATICS **Volume:** 11 **Issue:** 9 **Article Number:** 1995 **DOI:** 10.3390/math11091995 **Published:** APR 23 2023

Record 769 of 1000

Title: Experimental Demonstration of Compact Polymer Mass Transfer Device Manufactured by Additive Manufacturing with Hydrogel Integration to Bio-Mimic the Liver Functions

Author(s): Narendran, G (Narendran, Ganesan); Walunj, A (Walunj, Avdhoot); Kumar, AM (Kumar, A. Mohan); Jeyachandran, P (Jeyachandran, Praveen); Awwad, NS (Awwad, Nasser S. S.); Ibrahim, HA (Ibrahim, Hala A. A.); Gorji, MR (Gorji, M. R.); Perumal, DA (Perumal, D. Arumuga)

Source: BIOENGINEERING-BASEL **Volume:** 10 **Issue:** 4 **Article Number:** 416 **DOI:** 10.3390/bioengineering10040416 **Published:** APR 2023

Record 770 of 1000

Title: Sustainable hydrogen production via microalgae: Technological advancements, economic indicators, environmental aspects, challenges, and policy implications

Author(s): Ayub, HMU (Ayub, Hafiz Muhammad Uzair); Nizami, M (Nizami, Muhammad); Qyyum, MA (Qyyum, Muhammad Abdul); Iqbal, N (Iqbal, Noman); Al-Muhtaseb, AH (Al-Muhtaseb, Ala'a. H.); Hasan, M (Hasan, Mudassir)

Source: ENVIRONMENTAL RESEARCH **Volume:** 244 **Article Number:** 117815 **DOI:** 10.1016/j.envres.2023.117815 **Early Access Date:** DEC 2023 **Published:** MAR 1 2024

Record 771 of 1000

Title: A novel selenization-free chalcopyrite CIGSSe formation in a heat-treated Cu₂Se/S/Ga₃Se₂/S/In₃Se₂ multilayer thin film (ML) and ML/n-Si heterojunction characteristics

Author(s): Nelson, PI (Nelson, P. Issac); Mohan, A (Mohan, A.); Kannan, RR (Kannan, R. Rathes); Vidhya, B (Vidhya, B.); Kumari, P (Kumari, Peula); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung); Ashraf, IM (Ashraf, I. M.); Shkir, M (Shkir, Mohd)

Source: SURFACES AND INTERFACES **Volume:** 41 **Article Number:** 103246 **DOI:** 10.1016/j.surfin.2023.103246 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 772 of 1000

Title: Synthesis, Biological Evaluation, and in-Silico Molecular Docking Studies of Multifunctional Thiazolidine Derivatives

Author(s): Bin Muhsinah, A (Bin Muhsinah, Abdullatif); Annadurai, S (Annadurai, Sivakumar); Alharbi, MM (Alharbi, Mohammed M.); Mahnashi, M (Mahnashi, Mater); Abou-Salim, MA (Abou-Salim, Mahrous A.); Hassan, MZ (Hassan, Mohd. Zaheen); Mabkhot, YN (Mabkhot, Yahia N.)

Source: POLYCYCLIC AROMATIC COMPOUNDS **DOI:** 10.1080/10406638.2023.2242556 **Early Access Date:** AUG 2023

Record 773 of 1000

Title: Giant NLO response and deep ultraviolet transparency of dual (alkali/alkaline earth) metals doped C₆O₆Li₆ electrides

Author(s): Kosar, N (Kosar, Naveen); Wajid, S (Wajid, Sunaina); Ayub, K (Ayub, Khurshid); Gilani, MA (Gilani, Mazhar Amjad); Arfan, NHBZ (Arfan, Nur Hazimah Binti Zainal); Hamid, MHSA (Hamid, Malai Haniti Sheikh Abdul); Imran, M (Imran, Muhammad); Sheikh, NS (Sheikh, Nadeem S.); Mahmood, T (Mahmood, Tariq)

Source: HELIYON **Volume:** 9 **Issue:** 8 **Article Number:** e18264 **DOI:** 10.1016/j.heliyon.2023.e18264 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 774 of 1000

Title: Utilization of Loaded Cobalt onto MCM-48 Mesoporous Catalyst as a Heterogeneous Reaction in a Fixed Bed Membrane Reactor to Produce Isomerization Product from *n*-Heptane

Author(s): Ali, NS (Ali, Nisreen S.); Salih, IK (Salih, Issam K.); Harharah, HN (Harharah, Hamed N.); Majdi, HS (Majdi, Hasan Sh.); Salih, HG (Salih, Hussein G.); Kalash, KR (Kalash, Khairi R.); Al-Shathr, A (Al-Shathr, Ali); Al-Sudani, FT (Al-Sudani, Farah T.); Abdulrahman, MA (Abdulrahman, Mahir A.); Alrubaye, JM (Alrubaye, Jamal M.); Albayati, TM (Albayati, Talib M.); Saady, NM (Saady, Noori M.); Zendejboudi, S (Zendejboudi, Sohrab)

Source: CATALYSTS **Volume:** 13 **Issue:** 7 **Article Number:** 1138 **DOI:** 10.3390/catal13071138 **Published:** JUL 2023

Record 775 of 1000

Title: Neurodegenerative Diseases: Their Onset, Epidemiology, Causes and Treatment

Author(s): Zaib, S (Zaib, Sumera); Javed, H (Javed, Hira); Khan, I (Khan, Imtiaz); Jaber, F (Jaber, Fadi); Sohail, A (Sohail, Ali); Zaib, Z (Zaib, Zainab); Mehboob, T (Mehboob, Tooba); Tabassam, N (Tabassam, Naila); Ogaly, HA (Ogaly, Hanan A.)

Source: CHEMISTRYSELECT **Volume:** 8 **Issue:** 20 **Article Number:** e202300225 **DOI:** 10.1002/slct.202300225 **Published:** MAY 25 2023

Record 776 of 1000

Title: Beneficial effects of Naringin against lopinavir/ ritonavir-induced hyperlipidemia and reproductive toxicity in male albino rats

Author(s): Krishnaraju, V (Krishnaraju, V.); Alghazwani, Y (Alghazwani, Y.); Durgaramani, S (Durgaramani, S.); Asiri, YI (Asiri, Y. I.); Prabahar, K (Prabahar, K.); Kalpana, K (Kalpana, K.); Rajalakshimi, V (Rajalakshimi, V.); Noohu, AK (Noohu, A. K.); Premalatha, P (Premalatha, P.); Sirajudeen, SA (Sirajudeen, S. A.); Kumar, V (Kumar, V.); Prabhu, VV (Prabhu, V. Vinoth)

Source: EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES **Volume:** 27 **Issue:** 9 **Pages:** 4221-4231 **Published:** 2023

Record 777 of 1000

Title: Discovery of druggable potent inhibitors of serine proteases and farnesoid X receptor by ligand-based virtual screening to obstruct SARS-CoV-2

Author(s): Zaib, S (Zaib, Sumera); Rana, N (Rana, Nehal); Ali, HS (Ali, Hafiz Saqib); Hussain, N (Hussain, Nadia); Areeba (Areeba, Hanan A.); Ogaly, HA (Ogaly, Hanan A.); Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); Khan, I (Khan, Imtiaz)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 253 **Article Number:** 127379 **DOI:** 10.1016/j.ijbiomac.2023.127379 **Early Access Date:** OCT 2023 **Part:** 7 **Published:** DEC 31 2023

Record 778 of 1000

Title: Novel 4-(2-arylidenehydrazineyl)thienopyrimidine derivatives as anticancer EGFR inhibitors: Design, synthesis, biological evaluation, kinome selectivity and in silico insights

Author(s): Elsebaie, HA (Elsebaie, Heba A.); El-Bastawissy, EA (El-Bastawissy, Eman A.); Elberembally, KM (Elberembally, Kamel M.); Khaleel, EF (Khaleel, Eman F.); Badi, RM (Badi, Rehab Mustafa); Shaldam, MA (Shaldam, Moataz A.); Eldehna, WM (Eldehna, Wagdy M.); Tawfik, HO (Tawfik, Haytham O.); El-Moselhy, TF (El-Moselhy, Tarek F.)

Source: BIOORGANIC CHEMISTRY **Volume:** 140 **Article Number:** 106799 **DOI:** 10.1016/j.bioorg.2023.106799 **Early Access Date:** AUG 2023 **Published:** NOV 2023

Record 779 of 1000

Title: Evaluating the inhibitory effect of resveratrol on the multiplication of several *Babesia* species and *Theileria equi* on *in vitro* cultures, and *Babesia microti* in mice

Author(s): El-Sayed, SA (El-Sayed, Shima Abd El-Salam); El-Alfy, E (El-Alfy, El-Sayed); Sayed-Ahmed, MZ (Sayed-Ahmed, Mohamed Z.); Mohanta, UK (Mohanta, Uday Kumar); Alqahtani, SS (Alqahtani, Saad S.); Alam, N (Alam,

Nawazish); Ahmad, S (Ahmad, Sarfaraz); Ali, MS (Ali, Md Sajid); Igarashi, I (Igarashi, Ikuo); Rizk, MA (Rizk, Mohamed Abdo)

Source: FRONTIERS IN PHARMACOLOGY **Volume:** 14 **Article Number:** 1192999 **DOI:** 10.3389/fphar.2023.1192999 **Published:** MAY 30 2023

Record 780 of 1000

Title: Synthesis of Pyrimido[4, 5-*b*]quinolones from 6-Aminopyrimidin-4-(thi)one Derivatives (Part I)

Author(s): Gouda, MA (Gouda, Moustafa A. A.); Abu-Hashem, AA (Abu-Hashem, Ameen A. A.); Ameen, TA (Ameen, Tahah A. A.); Salem, MA (Salem, Mohammed A. A.)

Source: MINI-REVIEWS IN ORGANIC CHEMISTRY **Volume:** 20 **Issue:** 6 **Pages:** 622-641 **DOI:** 10.2174/1570193X20666221104110606 **Published:** 2023

Record 781 of 1000

Title: Structural, mechanical, electronic and optical properties of N-decorated single-walled silicon carbide nanotube photocatalyst for hydrogen evolution via water splitting: a DFT study

Author(s): Itas, YS (Itas, Yahaya Saadu); Razali, R (Razali, Razif); Tata, S (Tata, Salisu); Kolo, M (Kolo, Mohammed); Osman, H (Osman, Hamid); Idris, AM (Idris, Abubakr M.); Khandaker, MU (Khandaker, Mayeen Uddin)

Source: SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS **Volume:** 24 **Issue:** 1 **Article Number:** 2271912 **DOI:** 10.1080/14686996.2023.2271912 **Published:** DEC 31 2023

Record 782 of 1000

Title: MoS₂ modified g-C₃N₄ composite: A potential candidate for photocatalytic applications

Author(s): Senthilnathan, S (Senthilnathan, S.); Kumar, KG (Kumar, K. Ganesh); Sugunraj, S (Sugunraj, S.); Dhanalakshmi, MA (Dhanalakshmi, M. Ammal); Rajendraprasad, M (Rajendraprasad, M.); Suganthi, M (Suganthi, M.); Kesavan, KS (Kesavan, K. Shree); Sasikumar, P (Sasikumar, P.); Abbas, M (Abbas, Mohamed); Dator, WLT (Dator, Wireen Leila T.)

Source: JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 27 **Issue:** 5 **Article Number:** 101717 **DOI:** 10.1016/j.jscs.2023.101717 **Early Access Date:** SEP 2023 **Published:** SEP 2023

Record 783 of 1000

Title: Studying molecular interactions via capillary electrophoresis and microscale thermophoresis: A review

Author(s): Asmari, M (Asmari, Mufarreh); Michalcová, L (Michalcova, Lenka); Ibrahim, AE (Ibrahim, Adel Ehab); Glatz, Z (Glatz, Zdenek); Wätzig, H (Waetzig, Hermann); El Deeb, S (El Deeb, Sami)

Source: ELECTROPHORESIS **Volume:** 44 **Issue:** 13-14 **Pages:** 1114-1142 **DOI:** 10.1002/elps.202200275 **Early Access Date:** APR 2023 **Published:** JUL 2023

Record 784 of 1000

Title: Synthesis, Characterizations, and Quantum Chemical Investigations on Imidazo[1,2-*a*]pyrimidine-Schiff Base Derivative: (*E*)-2-Phenyl-*N*-(thiophen-2-ylmethylene)imidazo[1,2-*a*]pyrimidin-3-amine

Author(s): Azzouzi, M (Azzouzi, Mohamed); Azougagh, O (Azougagh, Omar); Ouchaoui, AA (Ouchaoui, Abderrahim Ait); El Hadad, SE (El Hadad, Salah eddine); Mazières, S (Mazieres, Stephane); Barkany, SE (Barkany, Soufian El); Abboud, M (Abboud, Mohamed); Oussaid, A (Oussaid, Adyl)

Source: ACS OMEGA **Volume:** 9 **Issue:** 1 **Pages:** 837-857 **DOI:** 10.1021/acsomega.3c06841 **Published:** DEC 15 2023

Record 785 of 1000

Title: Ruthenium decorated V@WO₃ nanocomposites heterostructures for selective detection of sulfonamide in honey samples

Author(s): Ikram, M (Ikram, Muhammad); Munawar, A (Munawar, Anam); Kalyar, AA (Kalyar, Amina Akbar); Shad, NA (Shad, Naveed Akhtar); Imran, M (Imran, Muhammad)

Source: JOURNAL OF FOOD COMPOSITION AND ANALYSIS **Volume:** 126 **Article Number:** 105842 **DOI:** 10.1016/j.jfca.2023.105842 **Early Access Date:** NOV 2023 **Published:** FEB 2024

Record 786 of 1000

Title: Hepatoprotective potential of *Anagallis arvensis* (L.) extract against carbon tetrachloride (CCl₄)-induced hepatic injury and oxidative stress in rabbits

Author(s): Ahsan, H (Ahsan, Haseeb); Qaisar, MN (Qaisar, Muhammad Naeem); Fu, DG (Fu, Denggang); Imran, M (Imran, Muhammad); Tahir, MA (Tahir, Muhammad Azam); Ashfaq, K (Ashfaq, Khuram); Naqvi, F (Naqvi, Farwa); Manan, M (Manan, Maria)

Source: PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES **Volume:** 36 **Issue:** 4 **Pages:** 1227-1232 **DOI:** 10.36721/PJPS.2023.36.4.REG.1227-1232.1 **Published:** JUL 2023

Record 787 of 1000

Title: Analytical Study of (Ag-Graphene)/Blood Hybrid Nanofluid Influenced by (Platelets-Cylindrical) _{nanoparticles} and Joule Heating via VIM

Author(s): AL-Zahrani, AA (AL-Zahrani, Asla A.); Adnan (Adnan); Mahmood, I (Mahmood, Ishtiaque); Rahman, KU (Rahman, Khaleeq Ur); Bani-Fwaz, MZ (Bani-Fwaz, Mutasem); Tag-Eldin, E (Tag-Eldin, Elsayed)

Source: ACS OMEGA **Volume:** 8 **Issue:** 22 **Pages:** 19926-19938 **DOI:** 10.1021/acsomega.3c01903 **Early Access Date:** MAY 2023 **Published:** MAY 19 2023

Record 788 of 1000

Title: Green Synthesized Silver Nanoparticles Incorporated Graphene Oxide: Investigation of Its Catalytic Activity, Antioxidant and Potential Activity Against Colorectal Cancer Cells

Author(s): Zi, W (Zi, Wei); Karmakar, B (Karmakar, Bikash); El-kott, AF (El-kott, Attalla F.); Al-Saeed, FA (Al-Saeed, Fatimah A.); Negm, S (Negm, Sally); Salem, ET (Salem, Eman T.)

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **Volume:** 33 **Issue:** 6 **Pages:** 1693-1703 **DOI:** 10.1007/s10904-023-02600-4 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 789 of 1000

Title: Palladium Nanoparticles Incorporated Fumed Silica as an Efficient Catalyst for Nitroarenes Reduction via Thermal and Microwave Heating

Author(s): Khormi, AY (Khormi, Afaf Y.); Al-Shehri, BM (Al-Shehri, Badria M.); Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); Hamdy, MS (Hamdy, Mohamed S.); Fouda, A (Fouda, Amr); Shaaban, MR (Shaaban, Mohamed R.)

Source: CATALYSTS **Volume:** 13 **Issue:** 2 **Article Number:** 445 **DOI:** 10.3390/catal13020445 **Published:** FEB 2023

Record 790 of 1000

Title: Emerging trends in metal-organic framework (MOFs) photocatalysts for hydrogen energy using water splitting: A state-of-the-art review

Author(s): Samia (Samia); Saeed, F (Saeed, Faiq); Jia, L (Jia, Li); Arain, M (Arain, Musfira); Ahmed, A (Ahmed, Aneela); Fu, YK (Fu, Yikai); Chen, ZD (Chen, Zhenda); Hussain, I (Hussain, Ijaz); Ashraf, GA (Ashraf, Ghulam Abbas); Ben Ahmed, S (Ben Ahmed, Samia); Dai, HT (Dai, Haitao)

Source: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY **Volume:** 131 **Pages:** 54-135 **DOI:** 10.1016/j.jiec.2023.10.055 **Early Access Date:** DEC 2023 **Published:** MAR 25 2024

Record 791 of 1000

Title: Biochemical profiling of berberine-enriched extract in aluminum chloride induced oxidative damage and neuroinflammation

Author(s): Akash, MSH (Akash, Muhammad Sajid Hamid); Akbar, M (Akbar, Moazzama); Rehman, K (Rehman, Kanwal); Shah, MA (Shah, Muhammad Ajmal); Panichayupakaranant, P (Panichayupakaranant, Pharkphoom); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Mohammed A.)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 36 **Pages:** 85263-85275 **DOI:** 10.1007/s11356-023-28392-1 **Early Access Date:** JUN 2023 **Published:** AUG 2023

Record 792 of 1000

Title: A facile green approach to the synthesis of Bi₂WO₆@V₂O₅ heterostructure and their photocatalytic activity evaluation under visible light irradiation for RhB dye removal

Author(s): Kanwal, S (Kanwal, Shamsa); Khan, MI (Khan, M. I.); Uzair, M (Uzair, Muhammad); Fatima, M (Fatima, Mahvish); Bukhari, MA (Bukhari, M. A.); Saman, Z (Saman, Zahra); Elsaedy, HI (Elsaedy, H. I.); Shahzad, U (Shahzad, Urram); Elqahtani, ZM (Elqahtani, Zainab Mufarreh); Alwadai, N (Alwadai, Nourah)

Source: ARABIAN JOURNAL OF CHEMISTRY **Volume:** 16 **Issue:** 5 **Article Number:** 104685 **DOI:** 10.1016/j.arabjc.2023.104685 **Early Access Date:** FEB 2023 **Published:** MAY 2023

Record 793 of 1000

Title: An Exhaustive Compilation on the Synthesis of Heterocycles Pendant on the Fatty Acid Alkyl Chains

Author(s): Khormi, AY (Khormi, Afaf Y.); El-Sayed, R (El-Sayed, Refat); Farghaly, TA (Farghaly, Thoraya A.); Shaaban, MR (Shaaban, Mohamed R.); Farag, AM (Farag, Ahmad M.)

Source: CURRENT ORGANIC SYNTHESIS **Volume:** 20 **Issue:** 4 **Pages:** 395-457 **DOI:** 10.2174/1570179419666220526104154 **Published:** 2023

Record 794 of 1000

Title: Exergy-economic analysis of a hybrid combined supercritical Brayton cycle-organic Rankine cycle using biogas and solar PTC system as energy sources

Author(s): Alghamdi, A (Alghamdi, Ahmed); Ponnore, JJ (Ponnore, Joffin Jose); Hassan, AM (Hassan, Ahmed M.); Alqahtani, S (Alqahtani, Sultan); Alshehery, S (Alshehery, Sultan); Anqi, AE (Anqi, Ali E.)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 50 **Article Number:** 103484 **DOI:** 10.1016/j.csite.2023.103484 **Early Access Date:** SEP 2023 **Published:** OCT 2023

Record 795 of 1000

Title: Deep insights into morphological, structural and dielectric properties of BaTi_{0.5}(Cr_{0.33}Mo_{0.17})O₃ ceramics

Author(s): Bouzidi, S (Bouzidi, Souhir); Rhimi, N (Rhimi, Najah); Dhahri, A (Dhahri, Ahmed); Kallekh, A (Kallekh, Afef); Rayssi, C (Rayssi, Ch); Abdulaziz, F (Abdulaziz, Fahad); Alsehli, AH (Alsehli, Amal H.); Alsowayigh, MM (Alsowayigh, Marwah M.)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 24 **Pages:** 39935-39944 **DOI:** 10.1016/j.ceramint.2023.09.277 **Early Access Date:** NOV 2023 **Part:** A **Published:** DEC 15 2023

Record 796 of 1000

Title: Insights into the Corrosion Inhibition Performance of Isonicotinohydrazide Derivatives for N80 Steel in 15% HCl Medium: An Experimental and Molecular Level Characterization

Author(s): Mansour, AA (Mansour, Abdelkarim Ait); El-Haitout, B (El-Haitout, Badr); Adnin, RJ (Adnin, Raihana Jannat); Lgaz, H (Lgaz, Hassane); Salghi, R (Salghi, Rachid); Lee, HS (Lee, Han-seung); Alhadeethi, MR (Alhadeethi, Mustafa R.); Messali, M (Messali, Mouslim); Haboubi, K (Haboubi, Khadija); Ali, IH (Ali, Ismat H.)

Source: METALS **Volume:** 13 **Issue:** 4 **Article Number:** 797 **DOI:** 10.3390/met13040797 **Published:** APR 2023

Record 797 of 1000

Title: Nanomaterials-Based Novel Immune Strategies in Clinical Translation for Cancer Therapy

Author(s): Wahab, S (Wahab, Shadma); Ghazwani, M (Ghazwani, Mohammed); Hani, U (Hani, Umme); Hakami, AR (Hakami, Abdulrahim R.); Almehezia, AA (Almehezia, Abdulrahman A.); Ahmad, W (Ahmad, Wasim); Ahmad, MZ (Ahmad, Mohammad Zaki); Alam, P (Alam, Prawez); Annadurai, S (Annadurai, Sivakumar)

Source: MOLECULES **Volume:** 28 **Issue:** 3 **Article Number:** 1216 **DOI:** 10.3390/molecules28031216 **Published:** FEB 2023

Record 798 of 1000

Title: Identification of potential inhibitors targeting yellow fever virus helicase through ligand and structure-based computational studies

Author(s): Zaib, S (Zaib, Sumera); Rana, N (Rana, Nehal); Ali, HS (Ali, Hafiz Saqib); Rehman, MU (Rehman, Mujeeb Ur); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.); Khan, I (Khan, Imtiaz)

Source: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS **DOI:** 10.1080/07391102.2023.2294839 **Early Access Date:** DEC 2023

Record 799 of 1000

Title: Silver-integrated cobalt hydroxide hybrid nanostructured materials for improved electrocatalytic oxygen evolution reaction

Author(s): Arunkumar, G (Arunkumar, Gunasekaran); Muthukumar, P (Muthukumar, Pandi); Deviga, G (Deviga, Govindan); Mariappan, M (Mariappan, Mariappan); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Anthony, SP (Anthony, Savarimuthu Philip)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 48 **Issue:** 4 **Pages:** 1671-1677 **DOI:** 10.1039/d3nj05268k **Early Access Date:** DEC 2023 **Published:** JAN 22 2024

Record 800 of 1000

Title: Exploration of high-performance triptycene-based thermally activated delayed fluorescence materials via structural alteration of donor fragment

Author(s): Hussain, A (Hussain, Aftab); Irfan, A (Irfan, Ahmad); Kanwal, F (Kanwal, Farah); Hussien, M (Hussien, Mohamed); Hassan, M (Hassan, Mehboob); Daifallah, SY (Daifallah, Saifedin Y.); Jing, W (Jing, Wang); Qayyum, MA (Qayyum, Muhammad Abdul); Bibi, S (Bibi, Shamsa); Chaudhry, AR (Chaudhry, Aijaz Rasool); Zhang, JP (Zhang, Jingping)

Source: HELIYON **Volume:** 9 **Issue:** 12 **Article Number:** e21571 **DOI:** 10.1016/j.heliyon.2023.e21571 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 801 of 1000

Title: Development of green and sustainable corrosion inhibitor for steel rebar in chloride-polluted simulated concrete pore solution using seed extract of *Psoralea corylifolia* (Badranj Boya)

Author(s): Singh, A (Singh, Ambrish); Ansari, KR (Ansari, Kashif R.); Ali, IH (Ali, Ismat H.); Alanazi, AK (Alanazi, Abdullah K.); Lin, YH (Lin, Yuanhua); Al-Moubaraki, AH (Al-Moubaraki, Aisha H.)

Source: ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS **Volume:** 237 **Issue:** 11 **Pages:** 1849-1862 **DOI:** 10.1515/zpch-2023-0328 **Early Access Date:** OCT 2023 **Published:** NOV 27 2023

Record 802 of 1000

Title: Optimization of oil industry wastewater treatment system and proposing empirical correlations for chemical oxygen demand removal using electrocoagulation and predicting the system's performance by artificial neural network

Author(s): El Jery, A (El Jery, Atef); Salman, HM (Salman, Hayder Mahmood); Al-Ansari, N (Al-Ansari, Nadhir); Sammen, SS (Sammen, Saad Sh.); Maktoof, MAJ (Maktoof, Mohammed Abdul Jaleel); AL-bonsrulah, HAZ (AL-bonsrulah, Hussein A. Z.)

Source: PEERJ **Volume:** 11 **Article Number:** e15852 **DOI:** 10.7717/peerj.15852 **Published:** SEP 25 2023

Record 803 of 1000

Title: Reducing Herbicide Dependency: Impact of *Murraya koenigii* Leaf Extract on Weed Control and Growth of Wheat (*Triticum aestivum*) and Chickpea (*Cicer arietinum*)

Author(s): Vashishth, DS (Vashishth, Deepti Singh); Bachheti, A (Bachheti, Archana); Bachheti, RK (Bachheti, Rakesh Kumar); Alhag, SK (Alhag, Sadeq K.); Al-Shuraym, LA (Al-Shuraym, Laila A.); Kumar, P (Kumar, Pankaj); Husen, A (Husen, Azamal)

Source: AGRICULTURE-BASEL **Volume:** 13 **Issue:** 9 **Article Number:** 1678 **DOI:** 10.3390/agriculture13091678 **Published:** SEP 2023

Record 804 of 1000

Title: Catalytic evaluation and *in vitro* bacterial inactivation of graphitic carbon nitride/carbon sphere doped bismuth oxide quantum dots with evidential *in silico* analysis

Author(s): Ikram, M (Ikram, Muhammad); Shazaib, M (Shazaib, Muhammad); Haider, A (Haider, Ali); Shahzadi, A (Shahzadi, Anum); Baz, S (Baz, Shair); Algaradah, MM (Algaradah, Mohammed M.); Ul-Hamid, A (Ul-Hamid, Anwar); Nabgan, W (Nabgan, Walid); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.); Ali, S (Ali, Salamat)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 36 **Pages:** 25305-25315 **DOI:** 10.1039/d3ra04664h **Published:** AUG 21 2023

Record 805 of 1000

Title: Perovskite Solar Cells with Dual Light Absorber Layers for Performance Efficiency Exceeding 30%

Author(s): Bhattarai, S (Bhattarai, Sagar); Hossain, MK (Hossain, M. Khalid); Pandey, R (Pandey, Rahul); Madan, J (Madan, Jaya); Samajdar, DP (Samajdar, D. P.); Rahman, MF (Rahman, Md. Ferdous); Ansari, MZ (Ansari, Mohd Zahid); Amami, M (Amami, Mongi)

Source: ENERGY & FUELS **Volume:** 37 **Issue:** 14 **Pages:** 10631-10641 **DOI:** 10.1021/acs.energyfuels.3c01659 **Early Access Date:** JUL 2023 **Published:** JUL 3 2023

Record 806 of 1000

Title: 700 keV Au ions beam effect on the structural, optical and photovoltaic properties of MAPbI₃ solar cells

Author(s): Khan, MI (Khan, M. I.); Abdulmani, SA (Abdulmani, Sharah A.); Nadeem, MA (Nadeem, M. Arslan); Hussain, S (Hussain, Saddam); Subhani, WS (Subhani, Waqas Siddique); Saleem, M (Saleem, Muhammad); Fatima, M (Fatima, Mahvish); Mehmood, B (Mehmood, Bilal); BaQais, A (BaQais, Amal); Alissa, SA (Alissa, Siham A.)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 5 **Pages:** 8546-8553 **DOI:** 10.1016/j.ceramint.2022.11.017 **Early Access Date:** FEB 2023 **Published:** MAR 1 2023

Record 807 of 1000

Title: Breaking free from free radicals: harnessing the power of natural antioxidants for health and disease prevention

Author(s): Chaudhary, P (Chaudhary, Priya); Janmeda, P (Janmeda, Pracheta); Setzer, WN (Setzer, William N.); Aldahish, AA (Aldahish, Afaf Ahmed); Sharifi-Rad, J (Sharifi-Rad, Javad); Calina, D (Calina, Daniela)

Source: CHEMICAL PAPERS **DOI:** 10.1007/s11696-023-03197-1 **Early Access Date:** NOV 2023

Record 808 of 1000

Title: Contamination and ecological risk assessment of Cr, As, Cd and Pb in water and sediment of the southeastern Bay of Bengal coast in a developing country

Author(s): Islam, MS (Islam, Md Saiful); Islam, MT (Islam, M. Towhidul); Antu, UB (Antu, Uttam Biswas); Saikat, MSM (Saikat, Md. Sadik Mahmud); Ismail, Z (Ismail, Zuhilmi); Shahid, S (Shahid, Shamsuddin); Islam, ARMT (Islam, Abu Reza Md Towfiqul); Islam, T (Islam, Towfiqul); Ali, MM (Ali, Mir Mohammad); Al Bakky, A (Al Bakky, Abdullah); Ahmed, S (Ahmed, Sujat); Ibrahim, KA (Ibrahim, Khalid A.); Al-Qthanin, RN (Al-Qthanin, Rahmah N.); Idris, AM (Idris, Abubakr M.)

Source: MARINE POLLUTION BULLETIN **Volume:** 197 **Article Number:** 115720 **DOI:** 10.1016/j.marpolbul.2023.115720 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 809 of 1000

Title: Towards nanotube-based sensors for discrimination of drug molecules

Author(s): Algharagholy, LA (Algharagholy, Laith A.); García-Suárez, VM (Garcia-Suarez, Victor M.); Albeydani, OA (Albeydani, Ohood Abdullah); Alqahtani, J (Alqahtani, Jehan)

Source: PHYSICAL CHEMISTRY CHEMICAL PHYSICS **Volume:** 25 **Issue:** 39 **Pages:** 26613-26622 **DOI:** 10.1039/d3cp03726f **Early Access Date:** SEP 2023 **Published:** OCT 11 2023

Record 810 of 1000

Title: White light emissive organic fluorophores and halogen atom-controlled tunable and stimuli-induced reversible fluorescence switching

Author(s): Gayathri, P (Gayathri, Parthasarathy); Ravi, S (Ravi, Sasikala); Karthikeyan, S (Karthikeyan, Subramanian); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Almalki, HD (Almalki, Hussain D.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: JOURNAL OF LUMINESCENCE **Volume:** 257 **Article Number:** 119715 **DOI:** 10.1016/j.jlum.2023.119715 **Early Access Date:** JAN 2023 **Published:** MAY 2023

Record 811 of 1000

Title: Design, synthesis and cytotoxic evaluation of novel bis-thiazole derivatives as preferential Pim1 kinase inhibitors with *in vivo* and *in silico* study

Author(s): Al-Sanea, MM (Al-Sanea, Mohammad M.); Nasr, TM (Nasr, Tamer M.); Bondock, S (Bondock, Samir); Gawish, AY (Gawish, Aya Y.); Mohamed, NM (Mohamed, Nada M.)

Source: JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY **Volume:** 38 **Issue:** 1 **Article Number:** 2166936 **DOI:** 10.1080/14756366.2023.2166936 **Published:** DEC 31 2023

Record 812 of 1000

Title: Identification and diversity assessment of Ziziphus species using DNA barcoding

Author(s): Uddin, N (Uddin, Nisar); Li, X (Li, Xia); Muhammad, N (Muhammad, Noor); Ullah, R (Ullah, Riaz); Bari, A (Bari, Ahmed); Khan, KA (Khan, Khalid Ali); Ali, N (Ali, Niaz); Zhu, DC (Zhu, Daochen)

Source: SCIENTIA HORTICULTURAE **Volume:** 323 **Article Number:** 112544 **DOI:** 10.1016/j.scienta.2023.112544 **Early Access Date:** OCT 2023 **Published:** JAN 1 2024

Record 813 of 1000

Title: Preparation, Crystal Structure, Supramolecular Assembly, and DFT Studies of Two Organic Salts Bearing Pyridine and Pyrimidine

Author(s): Malik, AN (Malik, Abida Naseem); Tahir, MN (Tahir, Muhammad Nawaz); Ali, A (Ali, Akbar); Ashfaq, M (Ashfaq, Muhammad); Ibrahim, M (Ibrahim, Muhammad); Kuznetsov, AE (Kuznetsov, Aleksey E.); Assiri, MA (Assiri, Mohammed A.); Sameeh, MY (Sameeh, Manal Y.)

Record 814 of 1000

Title: The impact of titanium doping upon the sensing capability of ZnO nanosheets in detecting phosgene

Author(s): Hsu, CY (Hsu, Chou-Yi); Lagum, AA (Lagum, Abdelmajeed Adam); Al-Ma'Abreh, AM (Al-Ma'Abreh, Alaa M.); Saraswat, SK (Saraswat, Shelesh Krishna); Salman, NA (Abd Alkhudhur Salman, Noor); Bahir, H (Bahir, Hala); Aziz, QH (Aziz, Qusay Husam); Islam, S (Islam, Saiful)

Source: INORGANIC CHEMISTRY COMMUNICATIONS Volume: 156 Article Number: 111216 DOI: 10.1016/j.inoche.2023.111216 Early Access Date: AUG 2023 Published: OCT 2023

Record 815 of 1000

Title: Experimental investigation and crashworthiness analysis of 3D printed carbon PA automobile bumper to improve energy absorption by using LS-DYNA

Author(s): Yeshanew, ES (Yeshanew, Eyob Sisay); Ahmed, GMS (Ahmed, Gulam Mohammed Sayeed); Sinha, DK (Sinha, Devendra Kumar); Badruddin, IA (Badruddin, Irfan Anjum); Kamangar, S (Kamangar, Sarfaraz); Alarifi, IM (Alarifi, Ibrahim M.); Hadidi, HM (Hadidi, Haitham M.)

Source: ADVANCES IN MECHANICAL ENGINEERING Volume: 15 Issue: 6 Article Number: 16878132231181058 DOI: 10.1177/16878132231181058 Published: JUN 2023

Record 816 of 1000

Title: Lignocellulosic *Moringa oleifera* bark enabled biofabrication of MgO nanocatalyst: Application in developing temperature tolerance fungal cellulase cocktail

Author(s): Srivastava, N (Srivastava, Neha); Singh, R (Singh, Rajeev); Ahmad, I (Ahmad, Irfan); Suliman, M (Suliman, Muath); Tripathi, SC (Tripathi, Subhash C.); Rai, AK (Rai, Ashutosh Kumar); Gupta, VK (Gupta, Vijai Kumar)

Source: INDUSTRIAL CROPS AND PRODUCTS Volume: 207 Article Number: 117718 DOI: 10.1016/j.indcrop.2023.117718 Early Access Date: NOV 2023 Part: 1 Published: JAN 2024

Record 817 of 1000

Title: Quantum Junction Solar Cells: Development and Prospects

Author(s): Aftab, S (Aftab, Sikandar); Iqbal, MZ (Iqbal, Muhammad Zahir); Hussain, S (Hussain, Sajjad); Kabir, F (Kabir, Fahmid); Al-Kahtani, AA (Al-Kahtani, Abdullah A.); Hegazy, HH (Hegazy, Hosameldin Helmy)

Source: ADVANCED FUNCTIONAL MATERIALS Volume: 33 Issue: 38 DOI: 10.1002/adfm.202303449 Early Access Date: JUN 2023 Published: SEP 2023

Record 818 of 1000

Title: Development of glow-in-the-dark and color-tunable poly(methyl methacrylate) plastic concrete immobilized with rare-earth aluminate

Author(s): -Ahmed, ZAA (-Ahmed, Zehbah A. Al); Alatawi, NM (Alatawi, Nada M.); Alkhamis, K (Alkhamis, Kholood); Alkathami, ND (Alkathami, Nada D.); Binyaseen, AM (Binyaseen, Adel M.); Abumelha, HM (Abumelha, Hana M.); El-Metwaly, NM (El-Metwaly, Nashwa M.)

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 444 Article Number: 114959 DOI: 10.1016/j.jphotochem.2023.114959 Early Access Date: JUN 2023 Published: OCT 1 2023

Record 819 of 1000

Title: Synthesis and characterization of phenothiazine sensor for spectrophotometric and fluorescence detection of cyanide

Author(s): Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); Al-Ghamdi, HA (Al-Ghamdi, Huda A. A.); Abdel-Lateef, MA (Abdel-Lateef, Mohamed A. A.); El-Shishtawy, RM (El-Shishtawy, Reda M. M.)

Source: LUMINESCENCE Volume: 38 Issue: 4 Pages: 477-486 DOI: 10.1002/bio.4472 Early Access Date: MAR 2023 Published: APR 2023

Record 820 of 1000

Title: Design, synthesis, and unraveling the antibacterial and antibiofilm potential of 2-azidobenzothiazoles: insights from a comprehensive *in vitro* study

Author(s): Qadir, T (Qadir, Tanzeela); Kanth, SA (Kanth, Saadat A.); Aasif, M (Aasif, Mohammad); Fadul, AN (Fadul, Abdalla N.); Yatoo, GN (Yatoo, Gulam N.); Jangid, K (Jangid, Kailash); Mir, MA (Mir, Mushtaq A.); Shah, WA (Shah, Wajahat A.); Sharma, PK (Sharma, Praveen K.)

Source: FRONTIERS IN CHEMISTRY **Volume:** 11 **Article Number:** 1264747 **DOI:** 10.3389/fchem.2023.1264747 **Published:** SEP 7 2023

Record 821 of 1000

Title: New Natural Eugenol Derivatives as Antiproliferative Agents: Synthesis, Biological Evaluation, and Computational Studies

Author(s): Nazreen, S (Nazreen, Syed); Elbehairi, SEI (Elbehairi, Serag Eldin I.); Malebari, AM (Malebari, Azizah M.); Alghamdi, N (Alghamdi, Nuha); Alshehri, RF (Alshehri, Reem F.); Shati, AA (Shati, Ali A.); Ali, NM (Ali, Nada M.); Alfaifi, MY (Alfaifi, Mohammad Y.); Elhenawy, AA (Elhenawy, Ahmed A.); Alam, MM (Alam, Mohammad Mahboob)

Source: ACS OMEGA **Volume:** 8 **Issue:** 21 **Pages:** 18811-18822 **DOI:** 10.1021/acsomega.3c00933 **Published:** MAY 15 2023

Record 822 of 1000

Title: Novel π - π solar switches with a D- π -D-A framework of the thiophene core: computed absorbance/fluorescence ability with device parameters

Author(s): Hassan, AU (Hassan, Abrar U.); Sumrra, SH (Sumrra, Sajjad H.); Mustafa, G (Mustafa, Ghulam); Mohyuddin, A (Mohyuddin, Ayesha); Imran, M (Imran, Muhammad); Mehmood, RF (Mehmood, Rana F.); Mohyuddin, A (Mohyuddin, Abrar)

Source: STRUCTURAL CHEMISTRY **Volume:** 35 **Issue:** 1 **Pages:** 47-64 **DOI:** 10.1007/s11224-023-02172-6 **Early Access Date:** APR 2023 **Published:** FEB 2024

Record 823 of 1000

Title: Photocatalytic activities of Mg doped NiO NPs for degradation of Methylene blue dye for harmful contaminants: A kinetics, mechanism and recyclability

Author(s): Chandekar, KV (Chandekar, Kamlesh V.); Palanivel, B (Palanivel, Baskaran); Alkallas, FH (Alkallas, Fatemah H.); Trabelsi, AB (Trabelsi, Amira Ben Gouider); Khan, A (Khan, Aslam); Ashraf, IM (Ashraf, I. M.); AlFaify, S (AlFaify, S.); Shkir, M (Shkir, Mohd.)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 178 **Article Number:** 111345 **DOI:** 10.1016/j.jpcs.2023.111345 **Early Access Date:** MAR 2023 **Published:** JUL 2023

Record 824 of 1000

Title: Lead-free novel perovskite Ba₃AsI₃: First-principles insights into its electrical, optical, and mechanical properties

Author(s): Barman, P (Barman, Pobitra); Rahman, MF (Rahman, Md. Ferdous); Islam, MR (Islam, Md. Rasidul); Hasan, M (Hasan, Mehedi); Chowdhury, M (Chowdhury, Mithun); Hossain, MK (Hossain, M. Khalid); Modak, JK (Modak, Jibon Krishna); Ezzine, S (Ezzine, Safa); Amami, M (Amami, Mongi)

Source: HELIYON **Volume:** 9 **Issue:** 11 **Article Number:** e21675 **DOI:** 10.1016/j.heliyon.2023.e21675 **Early Access Date:** NOV 2023 **Published:** NOV 2023

Record 825 of 1000

Title: Substrate-like novel inhibitors of prolyl specific oligo peptidase for neurodegenerative disorders

Author(s): Khan, M (Khan, Majid); Halim, SA (Halim, Sobia Ahsan); Waqas, M (Waqas, Muhammad); Golmohammadi, F (Golmohammadi, Farhad); Balalaie, S (Balalaie, Saeed); Csuk, R (Csuk, Rene); Uddin, J (Uddin, Jalal); Khan, A (Khan, Ajmal); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS **DOI:** 10.1080/07391102.2023.2246577 **Early Access Date:** AUG 2023

Record 826 of 1000

Title: Amplifying the photovoltaic properties of phenylene dithiophene core based non-fused ring by engineering the terminal acceptors modification to enhance the efficiency of organic solar cells

Author(s): Raza, A (Raza, Ahmad); Mehmood, RF (Mehmood, Rana Farhat); Rashid, EU (Rashid, Ehsan Ullah); Nasr, S (Nasr, Samia); Yahia, IS (Yahia, I. S.); Iqbal, J (Iqbal, Javed); Alatawi, NS (Alatawi, Naifa S.); Khera, RA (Khera, Rasheed Ahmad)

Source: JOURNAL OF MOLECULAR GRAPHICS & MODELLING **Volume:** 124 **Article Number:** 108563 **DOI:** 10.1016/j.jmgm.2023.108563 **Early Access Date:** JUL 2023 **Published:** NOV 2023

Record 827 of 1000

Title: A new alkali-activated binder prepared from dolomite waste and diatom frustules: Insights into the mechanical performance and Mn(VII) treatment

Author(s): Elshimy, AS (Elshimy, Ahmed S.); Abdel-Gawwad, HA (Abdel-Gawwad, Hamdy A.); Abu Sharib, AAA (Abu Sharib, A. A. A.); Abd EL-Gawaad, NS (Abd EL-Gawaad, N. S.); Al-Ahmed, ZAM (Al-Ahmed, Zehbah Ali Mohammed); Bonilla-Petriciolet, A (Bonilla-Petriciolet, Adrian); Li, ZC (Li, Zichao); Mobarak, M (Mobarak, Mohamed); Selim, AQ (Selim, Ali Q.); Seliem, MK (Seliem, Moaaz K.)

Source: JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING **Volume:** 11 **Issue:** 5 **Article Number:** 110392 **DOI:** 10.1016/j.jece.2023.110392 **Early Access Date:** JUN 2023 **Published:** OCT 2023

Record 828 of 1000

Title: Experimental and computational study of binary transition metal oxides $\text{NaNi}_{1/2}\text{X}_{1/2}\text{O}_2$ (X=Cr, Fe, Co and Cu) for energy storage applications

Author(s): Tahir, S (Tahir, Shaista); Murtaza, G (Murtaza, G.); Alhummiyany, H (Alhummiyany, Haya); Hassan, M (Hassan, M.); Albalawi, H (Albalawi, Hind); Aljameel, AI (Aljameel, A. I.); Hussein, KI (Hussein, Khaild I.); Mahmood, Q (Mahmood, Q.)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 306 **Article Number:** 128093 **DOI:** 10.1016/j.matchemphys.2023.128093 **Early Access Date:** JUN 2023 **Published:** SEP 15 2023

Record 829 of 1000

Title: Enhancing plant growth promoting rhizobacterial activities through consortium exposure: A review

Author(s): Singh, A (Singh, Anamika); Yadav, VK (Yadav, Virendra Kumar); Chundawat, RS (Chundawat, Rajendra Singh); Soltane, R (Soltane, Raya); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.); Yadav, KK (Yadav, Krishna Kumar); Vicas, SI (Vicas, Simona Ioana)

Source: FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY **Volume:** 11 **Article Number:** 1099999 **DOI:** 10.3389/fbioe.2023.1099999 **Published:** FEB 10 2023

Record 830 of 1000

Title: Investigating the adsorption, electronic properties, and gas-sensing responses of NH_3 on the B_2S_3 monolayer

Author(s): Saadh, MJ (Saadh, Mohamed J.); Mohealdeen, SM (Mohealdeen, Sura Mohammad); Tapia, NEF (Flores Tapia, Nelly Esther); Saraswat, SK (Saraswat, Shelesh Krishna); Oviedo, BSR (Rojas Oviedo, Byron Stalin); Fiallos, LMF (Flores Fiallos, Linda Mariuxi); Escobar, M (Escobar, Miguel); Elmasry, Y (Elmasry, Yasser)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 158 **Article Number:** 111524 **DOI:** 10.1016/j.inoche.2023.111524 **Early Access Date:** SEP 2023 **Part:** 1 **Published:** DEC 2023

Record 831 of 1000

Title: Applications of Carbon-Based Materials for Improving the Performance and Stability of Perovskite Solar Cells

Author(s): Patel, K (Patel, Krina); Prochowicz, D (Prochowicz, Daniel); Akin, S (Akin, Seckin); Kalam, A (Kalam, Abul); Tavakoli, MM (Tavakoli, Mohammad Mahdi); Yadav, P (Yadav, Pankaj)

Source: ENERGY TECHNOLOGY **Volume:** 11 **Issue:** 10 **Article Number:** 2300228 **DOI:** 10.1002/ente.202300228 **Early Access Date:** JUL 2023 **Published:** OCT 2023

Record 832 of 1000

Title: Recent Advance in Heterogenous Electrocatalysts for Highly Selective Nitrite Reduction to Ammonia Under Ambient Condition

Author(s): Yue, LC (Yue, Luchao); Song, W (Song, Wei); Zhang, LX (Zhang, Lixin); Luo, YL (Luo, Yonglan); Wang, Y (Wang, Yan); Li, TS (Li, Tingshuai); Ying, BW (Ying, Binwu); Sun, SJ (Sun, Shengjun); Zheng, DD (Zheng, Dongdong); Liu, Q (Liu, Qian); Farouk, A (Farouk, Asmaa); Hamdy, MS (Hamdy, Mohamed S.); Alfaifi, S (Alfaifi, Sulaiman); Sun, XP (Sun, Xuping)

Source: SMALL STRUCTURES **Volume:** 4 **Issue:** 11 **DOI:** 10.1002/sstr.202300168 **Early Access Date:** JUL 2023 **Published:** NOV 2023

Record 833 of 1000

Title: Investigation of Elastic Moduli and Gamma-Ray Shielding Parameters of P_2O_5 - SiO_2 - BaO Glasses Doped with Varying WO_3

Author(s): Sayed, MA (Sayed, M. A.); Basha, B (Basha, Beriham); Al-Harbi, N (Al-Harbi, Nuha); Shaaban, KS (Shaaban, Kh. S.)

Source: SILICON **DOI:** 10.1007/s12633-023-02537-w **Early Access Date:** MAY 2023

Record 834 of 1000

Title: Bandgap tuning by controlled growth of Mo doped NiO nanoparticles and their functional role as excellent photocatalytic degradation agent

Author(s): Nabi, G (Nabi, Ghulam); Atiq, B (Atiq, Bushra); Elsaedy, HI (Elsaedy, H. I.); Tanveer, M (Tanveer, Muhammad); Ali, W (Ali, Wajid); Riaz, A (Riaz, Asma)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 157 **Article Number:** 111448 **DOI:** 10.1016/j.inoche.2023.111448 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 835 of 1000

Title: Modification of the drug resistance of emerging milk-borne pathogens through sodium alginate-based antibiotics and nanoparticles

Author(s): Manan, A (Manan, Abdul); Aqib, AI (Aqib, Amjad Islam); Shahbaz, A (Shahbaz, Ansa); Khan, SR (Khan, Shanza Rauf); Akram, K (Akram, Kashif); Majeed, H (Majeed, Hamid); Muneer, A (Muneer, Afshan); Murtaza, M (Murtaza, Maheen); Afrasiab, M (Afrasiab, Muhammad); Merola, C (Merola, Carmine); Niaz, K (Niaz, Kamal); Ahmad, I (Ahmad, Irfan); Saeed, M (Saeed, Mohd)

Source: FRONTIERS IN VETERINARY SCIENCE **Volume:** 10 **Article Number:** 1130130 **DOI:** 10.3389/fvets.2023.1130130 **Published:** APR 17 2023

Record 836 of 1000

Title: A Brief Review of Transparent Conducting Oxides (TCO): The Influence of Different Deposition Techniques on the Efficiency of Solar Cells

Author(s): Chavan, GT (Chavan, Ganesh T.); Kim, Y (Kim, Youngkuk); Khokhar, MQ (Khokhar, Muhammad Quddamah); Hussain, SQ (Hussain, Shahzada Qamar); Cho, EC (Cho, Eun-Chel); Yi, JS (Yi, Junsin); Ahmad, Z (Ahmad, Zubair); Rosaiah, P (Rosaiah, Pitcheri); Jeon, CW (Jeon, Chan-Wook)

Source: NANOMATERIALS **Volume:** 13 **Issue:** 7 **Article Number:** 1226 **DOI:** 10.3390/nano13071226 **Published:** APR 2023

Record 837 of 1000

Title: Controlled supramolecular interactions for targeted release of Amiodarone drug through Graphyne to treat cardiovascular diseases: An in silico study

Author(s): Perveen, M (Perveen, Mehvish); Hadia, NMA (Hadia, N. M. A.); Noreen, A (Noreen, Asima); Mehmood, RF (Mehmood, Rana Farhat); Nasr, S (Nasr, Samia); Yahia, IS (Yahia, I. S.); Khera, RA (Khera, Rasheed Ahmad); Iqbal, J (Iqbal, Javed)

Source: JOURNAL OF MOLECULAR GRAPHICS & MODELLING **Volume:** 121 **Article Number:** 108452 **DOI:** 10.1016/j.jmgm.2023.108452 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 838 of 1000

Title: Biologically derived copper oxide-based nanocatalyst using *Moringa oleifera* leaves and its applications in hydrolytic enzymes and biohydrogen production

Author(s): Srivastava, N (Srivastava, Neha); Singh, R (Singh, Rajeev); Ahmad, I (Ahmad, Irfan); Asiri, M (Asiri, Mohammed); Tripathi, SC (Tripathi, Subhash C.); Rai, AK (Rai, Ashutosh Kumar); Mishra, PK (Mishra, P. K.); Gupta, VK (Gupta, Vijai Kumar)

Source: BIORESOURCE TECHNOLOGY **Volume:** 376 **Article Number:** 128847 **DOI:** 10.1016/j.biortech.2023.128847 **Early Access Date:** MAR 2023 **Published:** MAY 2023

Record 839 of 1000

Title: Future Perspectives on Zeolite/Graphene Oxide Composite Synthesis and Applications

Author(s): Subramanian, N (Subramanian, Narayanan); Perumal, T (Perumal, Tamizhdurai); Mangesh, VL (Mangesh, V. L.); Chinnadurai, R (Chinnadurai, Ragupathi); Sakthinathan, S (Sakthinathan, Subramanian); Chiu, T (Chiu, Te-Wei); Selvaraj, M (Selvaraj, Manickam); Madhavan, J (Madhavan, Jagannathan)

Source: ENERGY & FUELS **DOI:** 10.1021/acs.energyfuels.3c02546 **Early Access Date:** OCT 2023

Record 840 of 1000

Title: Growth of TiO₂-CdO coated films: A brief study for optoelectronic applications

Author(s): Zargar, RA (Zargar, Rayees Ahmad); Arora, M (Arora, Manju); Bhat, SA (Bhat, Shabir Ahmad); Mearaj, T (Mearaj, Tuiba); Manthrammel, MA (Manthrammel, M. Aslam); Shkir, M (Shkir, Mohd)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 179 **Article Number:** 111390 **DOI:** 10.1016/j.jpics.2023.111390 **Early Access Date:** APR 2023 **Published:** AUG 2023

Record 841 of 1000

Title: Bio-oriented synthesis of ibuprofen derivatives for enhancement efficacy in post-operative and chronic inflammatory pain models

Author(s): Shah, NZ (Shah, Nisar Zamin); Avula, SK (Avula, Satya Kumar); Karim, N (Karim, Nasiara); Ul Islam, N (Ul Islam, Nazar); Batiha, GE (Batiha, Gaber El-Saber); Muhsinah, AB (Muhsinah, Abdullatif Bin); Khan, A (Khan, Ajmal); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 18 **Pages:** 12518-12528 **DOI:** 10.1039/d3ra01385e **Published:** APR 17 2023

Record 842 of 1000

Title: Construction of hierarchical MnMoO₄ nanostructures on Ni foam for high-performance asymmetric supercapacitors

Author(s): Prabakaran, P (Prabakaran, Periyasami); Arumugam, G (Arumugam, Gowdhaman); Ramu, P (Ramu, Perumal); Selvaraj, M (Selvaraj, Manickam); Assiri, MA (Assiri, Mohammed A.); Rokhum, SL (Rokhum, Samuel Lalthazuala); Arjunan, S (Arjunan, Silambarasan); Rajendran, R (Rajendran, Ramesh)

Source: SURFACES AND INTERFACES **Volume:** 40 **Article Number:** 103086 **DOI:** 10.1016/j.surfin.2023.103086 **Early Access Date:** JUN 2023 **Published:** AUG 2023

Record 843 of 1000

Title: Multicomponent synthesis of pyrido[2,3-*b*]pyrazine derivatives: electrochemical DNA sensing, nonlinear optical properties and biological activity

Author(s): Rashid, M (Rashid, Muhammad); Khalid, M (Khalid, Muhammad); Ashraf, A (Ashraf, Abida); Saleem, T (Saleem, Tahira); Shafiq, I (Shafiq, Iqra); Shakil, MA (Shakil, Muhammad Azeem); Zainab, B (Zainab, Briha); El-kott, AF (El-kott, Attalla F.); Yaqub, M (Yaqub, Muhammad); Shafiq, Z (Shafiq, Zahid)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 46 **Pages:** 32160-32174 **DOI:** 10.1039/d3ra05365b **Published:** OCT 31 2023

Record 844 of 1000

Title: Application of membrane technology in the treatment of waste liquid containing radioactive materials

Author(s): Rahman, IU (Rahman, Ihsan Ur); Mohammed, HJ (Mohammed, Hamin Jafaar); Siddique, MF (Siddique, Muhammad Farooq); Ullah, M (Ullah, Misbah); Bamasag, A (Bamasag, Ahmad); Alqahtani, T (Alqahtani, Talal); Algarni, S (Algarni, Salem)

Source: JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY **Volume:** 332 **Issue:** 11 **Pages:** 4363-4376 **DOI:** 10.1007/s10967-023-09169-9 **Early Access Date:** OCT 2023 **Published:** NOV 2023

Record 845 of 1000

Title: Carbon nanostructure derived from tea spent waste and its dosage dependent application on elevated bacterial hydrolytic enzymes production and thermostability

Author(s): Singh, T (Singh, Tripti); Mohammad, A (Mohammad, Akbar); Rai, AK (Rai, Ashutosh Kumar); Lal, B (Lal, Basant); Singh, R (Singh, Rajeev); Ahmad, I (Ahmad, Irfan); Asir, IAO (Asir, Ibrahim Ali Othman); Sharma, M (Sharma, Minaxi)

Source: INDUSTRIAL CROPS AND PRODUCTS **Volume:** 202 **Article Number:** 116972 **DOI:** 10.1016/j.indcrop.2023.116972 **Early Access Date:** JUN 2023 **Published:** OCT 15 2023

Record 846 of 1000

Title: Optimization of tetracycline antibiotic photocatalytic degradation from wastewater using a novel type-II α -Fe₂O₃-CeO₂-SiO₂ heterojunction photocatalyst: Performance, pathways, mechanism insights, reaction kinetics and toxicity assessment

Author(s): Zhu, YW (Zhu, Yawei); Qian, HF (Qian, Haifeng); Alnuqaydan, AM (Alnuqaydan, Abdullah M.); Siddeeg, SM (Siddeeg, Saifeldin M.); Abdullaeva, BS (Abdullaeva, Barno Sayfutdinovna); Shawabkeh, A (Shawabkeh, Ali)

Source: JOURNAL OF WATER PROCESS ENGINEERING **Volume:** 57 **Article Number:** 104703 **DOI:** 10.1016/j.jwpe.2023.104703 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 847 of 1000

Title: Synthesis of AgBiS₂/gC₃N₄ and its application in the photocatalytic reduction of Pb(II) in the matrix of methyl orange, crystal violet, and methylene blue dyes

Author(s): Ajiboye, TO (Ajiboye, Timothy O.); Oyewo, OA (Oyewo, Opeyemi A.); Marzouki, R (Marzouki, Riadh); Brahmia, A (Brahmia, Ameni); Onwudiwe, DC (Onwudiwe, Damian C.)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 4 **Pages:** 6149-6163 **DOI:** 10.1016/j.ceramint.2022.10.187 **Early Access Date:** JAN 2023 **Published:** FEB 15 2023

Record 848 of 1000

Title: Nanomaterials-Based Field-Effect Transistor for Protein Sensing: New Advances

Author(s): Aftab, S (Aftab, Sikandar); Li, X (Li, Xin); Hussain, S (Hussain, Sajjad); Aslam, M (Aslam, Muhammad); Hegazy, HH (Hegazy, Hosameldin Helmy); Abd-Rabboh, HSM (Abd-Rabboh, Hisham S. M.); Koyyada, G (Koyyada, Ganesh); Kim, JH (Kim, Jae Hong)

Source: ACS SENSORS **Volume:** 9 **Issue:** 1 **Pages:** 9-22 **DOI:** 10.1021/acssensors.3c01728 **Published:** DEC 29 2023

Record 849 of 1000

Title: Supercritical CO₂ mediated construction of aluminium waste recovered γ -Al₂O₃ impregnated *Dracaena trifasciata* biomass-derived carbon composite: A robust electrocatalyst for mutagenic pollutant detection

Author(s): Pandiyarajan, S (Pandiyarajan, Sabarison); Manickaraj, SSM (Manickaraj, Shobana Sebastin Mary); Liao, AH (Liao, Ai-Ho); Baskaran, G (Baskaran, Gopinath); Selvaraj, M (Selvaraj, Manickam); Assiri, MA (Assiri, Mohammed A.); Zhou, H (Zhou, Hong); Chuang, HC (Chuang, Ho-Chiao)

Source: JOURNAL OF COLLOID AND INTERFACE SCIENCE **Volume:** 659 **Pages:** 71-81 **DOI:** 10.1016/j.jcis.2023.12.117 **Early Access Date:** DEC 2023 **Published:** APR 2024

Record 850 of 1000

Title: Theoretical and experimental assessment of thermal stability of novel bio-waste Habesha eggshell particles reinforced epoxy composite

Author(s): Kanaginahal, G (Kanaginahal, Gangadhar); Shahapurkar, K (Shahapurkar, Kiran); Chenrayan, V (Chenrayan, Venkatesh); Manivannan, C (Manivannan, Chandru); Tirth, V (Tirth, Vineet); Algahtani, A (Algahtani, Ali); Al-Mughanam, T (Al-Mughanam, Tawfiq); Alghtani, AH (Alghtani, Abdulaziz H. H.)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-04704-w **Early Access Date:** AUG 2023

Record 851 of 1000

Title: Synthesis of gold Nanoparticles Encapsulated Chitosan/Gelatin Polymers for the Treatment of Several Types of Leukemia

Author(s): Ma, YM (Ma, Yanmei); He, FX (He, Fuxiang); El-kott, AF (El-kott, Attalla F.); Alshehri, AS (Alshehri, Ali S.); Zein, MA (Zein, Mohamed Abdellatif); Eldib, AM (Eldib, Ali M.)

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **Volume:** 34 **Issue:** 1 **Pages:** 100-109 **DOI:** 10.1007/s10904-023-02751-4 **Early Access Date:** JUL 2023 **Published:** JAN 2024

Record 852 of 1000

Title: Tellurium/polymers for flexible thermoelectrics: status and challenges

Author(s): Jin, LH (Jin, Linghua); Hao, YB (Hao, Yabin); Tareen, AK (Tareen, Ayesha Khan); Khan, K (Khan, Karim); Wageh, S (Wageh, Swelm); Al-Hartomy, OA (Al-Hartomy, Omar A.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Zhang, H (Zhang, Han); Zhang, Y (Zhang, Ye)

Source: JOURNAL OF MATERIALS CHEMISTRY A **Volume:** 11 **Issue:** 8 **Pages:** 3771-3788 **DOI:** 10.1039/d2ta09517c **Early Access Date:** JAN 2023 **Published:** FEB 21 2023

Record 853 of 1000

Title: Modeling of structural, electronic, optical, and thermoelectric properties of CsPb(I1-xBrx)₃ (x=0, 1, 2, 3) solid solutions by first principle approach

Author(s): Sharma, R (Sharma, Ramesh); Dar, SA (Dar, Sajad Ahmad); Albalawi, H (Albalawi, Hind); Alqahtani, MS (Alqahtani, Mohammed S.); Srivastava, V (Srivastava, Vipul)

Source: CHINESE JOURNAL OF PHYSICS **Volume:** 85 **Pages:** 264-276 **DOI:** 10.1016/j.cjph.2023.07.013 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 854 of 1000

Title: MXenes and their interfaces for the taming of carbon dioxide & nitrate: A critical review

Author(s): Ajmal, S (Ajmal, Saira); Kumar, A (Kumar, Anuj); Selvaraj, M (Selvaraj, Manickam); Alam, MM (Alam, Mohammed Mujahid); Yang, Y (Yang, Yang); Das, DK (Das, Dipak K.); Gupta, RK (Gupta, Ram K.); Yasin, G (Yasin,

Ghulam)

Source: COORDINATION CHEMISTRY REVIEWS **Volume:** 483 **Article Number:** 215094 **DOI:** 10.1016/j.ccr.2023.215094 **Early Access Date:** MAR 2023 **Published:** MAY 15 2023

Record 855 of 1000

Title: An ultrafast oxygen evolution reaction catalyzed by an amorphous Nickel-Dysprosium-based electrocatalyst with extraordinary spatial morphology

Author(s): Aman, S (Aman, Salma); Alanazi, MM (Alanazi, Meznah M.); Abdelmohsen, SAM (Abdelmohsen, Shaimaa A. M.); Abid, AG (Abid, Abdul Ghafoor); Khosa, RY (Khosa, Rabia Yasmin); Manzoor, S (Manzoor, Sumaira); Nisa, MU (Nisa, Mehar Un); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Farid, HMT (Farid, Hafiz Muhammad Tahir)

Source: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY **Volume:** 106 **Issue:** 1 **Pages:** 226-235 **DOI:** 10.1007/s10971-023-06058-1 **Early Access Date:** FEB 2023 **Published:** APR 2023

Record 856 of 1000

Title: Synthesis of 9-Hydroxy-1*H*-Benzo[*f*]chromene Derivatives with Effective Cytotoxic Activity on MCF7/ADR, *P*-Glycoprotein Inhibitors, Cell Cycle Arrest and Apoptosis Effects

Author(s): Albalawi, FF (Albalawi, Fawzia F.); El-Nassag, MAA (El-Nassag, Mohammed A. A.); El-Eisawy, RA (El-Eisawy, Raafat A.); Mohamed, MBI (Mohamed, Mahmoud Basseem I.); Fouda, AM (Fouda, Ahmed M.); Afifi, TH (Afifi, Tarek H.); Elhenawy, AA (Elhenawy, Ahmed A.); Mora, A (Mora, Ahmed); El-Agrody, AM (El-Agrody, Ahmed M.); El-Mawgoud, HKA (El-Mawgoud, Heba K. A.)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 24 **Issue:** 1 **Article Number:** 49 **DOI:** 10.3390/ijms24010049 **Published:** JAN 2023

Record 857 of 1000

Title: Recent Advances in Self-Supported Transition-Metal-Based Electrocatalysts for Seawater Oxidation

Author(s): Wu, Q (Wu, Qian); Gao, QP (Gao, Qingping); Shan, B (Shan, Bin); Wang, WZ (Wang, Wenzheng); Qi, YP (Qi, Yuping); Tai, XS (Tai, Xishi); Wang, X (Wang, Xia); Zheng, DD (Zheng, Dongdong); Yan, H (Yan, Hong); Ying, BW (Ying, Binwu); Luo, YS (Luo, Yongsong); Sun, SJ (Sun, Shengjun); Liu, Q (Liu, Qian); Hamdy, MS (Hamdy, Mohamed S.); Sun, XP (Sun, Xuping)

Source: ACTA PHYSICO-CHEMICA SINICA **Volume:** 39 **Issue:** 12 **Article Number:** 2303012 **DOI:** 10.3866/PKU.WHXB202303012 **Published:** JUL 31 2023

Record 858 of 1000

Title: Hybrids of porous NiMoO₄@Reduced graphene oxide composites for asymmetric supercapacitor applications

Author(s): Beemaroo, M (Beemaroo, M.); Kanagambal, P (Kanagambal, P.); Ravichandran, K (Ravichandran, K.); Rajeswaran, P (Rajeswaran, P.); Ashraf, IM (Ashraf, I. M.); Chalapathi, U (Chalapathi, U.); Park, SH (Park, Si-Hyun)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 153 **Article Number:** 110853 **DOI:** 10.1016/j.inoche.2023.110853 **Early Access Date:** MAY 2023 **Published:** JUL 2023

Record 859 of 1000

Title: Exceptional and innovational analysis of n-CdS/p-Si solar cells based on software packages and bias point models: insights into theoretical and experimental characteristics of fabricated solar cells

Author(s): Hassan, AA (Hassan, A. A.); Al-Nami, SY (Al-Nami, S. Y.); Alrafai, HA (Alrafai, H. A.); Al-Amery, E (Al-Amery, E.); Shaaban, ER (Shaaban, E. R.); Qasem, A (Qasem, A.)

Source: CHALCOGENIDE LETTERS **Volume:** 20 **Issue:** 4 **Pages:** 261-276 **DOI:** 10.15251/CL.2023.204.261 **Published:** APR 2023

Record 860 of 1000

Title: Schiff bases and their metal Complexes: A review on the history, synthesis, and applications

Author(s): Boulechfar, C (Boulechfar, Cherifa); Ferkous, H (Ferkous, Hana); Delimi, A (Delimi, Amel); Djedouani, A (Djedouani, Amel); Kahlouche, A (Kahlouche, Abdesalem); Boubliia, A (Boubliia, Abir); Darwish, AS (Darwish, Ahmad S.); Lemaoui, T (Lemaoui, Tarek); Verma, R (Verma, Rajesh); Benguerba, Y (Benguerba, Yacine)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 150 **Article Number:** 110451 **DOI:** 10.1016/j.inoche.2023.110451 **Early Access Date:** JAN 2023 **Published:** APR 2023

Record 861 of 1000

Title: Evaluating ammonia sensors based on two-dimensional pure and silicon-decorated biphenylene using DFT calculations

Author(s): Saadh, MJ (Saadh, Mohamed J.); Jasim, SA (Jasim, Saade Abdalkareem); Veloz, MG (Veloz, Marlene Garcia); Kumar, A (Kumar, Anjan); Mekkey, SM (Mekkey, Shereen M.); Guadalupe, MA (Guadalupe, Maria Augusta); Mejía, N (Mejia, Nora); Rao, DP (Rao, Devendra Pratap); Elmasry, Y (Elmasry, Yasser)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 160 **Article Number:** 111918 **DOI:** 10.1016/j.inoche.2023.111918 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 862 of 1000

Title: Enhancing the oxygen evolution reaction of cobalt hydroxide by fabricating nanocomposites with fluorine-doped graphene oxide

Author(s): Muthukumar, P (Muthukumar, Pandi); Nantheeswaran, P (Nantheeswaran, Periyappan); Mariappan, M (Mariappan, Mariappan); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Anthony, SP (Anthony, Savarimuthu Philip)

Source: DALTON TRANSACTIONS **Volume:** 52 **Issue:** 12 **Pages:** 3877-3883 **DOI:** 10.1039/d2dt04169c **Early Access Date:** FEB 2023 **Published:** MAR 21 2023

Record 863 of 1000

Title: FIRST PRINCIPLE STUDY OF STRUCTURAL, ELECTRONIC, ELASTIC AND OPTICAL PROPERTIES OF TIXF₃ (X = AG AND PD) EMPLOYING ACCURATE TB-MBJ APPROACH

Author(s): Tahir, M (Tahir, Muhammad); Husain, M (Husain, Mudasser); Rahman, N (Rahman, Nasir); Sohaibl, M (Sohaibl, Mohammad); Khan, R (Khan, Rajwali); Neffati, R (Neffati, Riadh); Murtaza, G (Murtaza, Ghulam); Khan, AA (Khan, Abid Ali); Iqbal, A (Iqbal, Anwar); Ullah, A (Ullah, Asad); Khan, A (Khan, Aurangzeb)

Source: FLUORIDE **Volume:** 56 **Issue:** 4 **Pages:** 351-365 **Part:** 1 **Published:** OCT-DEC 2023

Record 864 of 1000

Title: Saccharification of starchy food waste through thermochemical and enzymatic pretreatment, towards enhanced bioethanol production via newly isolated non-conventional yeast strains

Author(s): Ntaikou, I (Ntaikou, I.); Alexandropoulou, M (Alexandropoulou, M.); Kamilari, M (Kamilari, M.); Alamri, SA (Alamri, S. A.); Moustafa, YS (Moustafa, Y. S.); Hashem, M (Hashem, M.); Antonopoulou, G (Antonopoulou, G.); Lyberatos, G (Lyberatos, G.)

Source: ENERGY **Volume:** 281 **Article Number:** 128259 **DOI:** 10.1016/j.energy.2023.128259 **Early Access Date:** JUL 2023 **Published:** OCT 15 2023

Record 865 of 1000

Title: Zeolite imidazole framework entrapped quantum dots (QDs@ZIF-8) : encapsulation, properties, and applications

Author(s): Ahmad, I (Ahmad, Imtiaz); Muhmood, T (Muhmood, Tahir); Rehman, A (Rehman, Amna); Zahid, M (Zahid, Maryam); Abohashrh, M (Abohashrh, Mohammed); Nishat, S (Nishat, Sonya); Raharjo, Y (Raharjo, Yanuardi); Zhou, Z (Zhou, Zhan); Yang, XF (Yang, Xiaofei)

Source: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS **Volume:** 149 **Article Number:** 104993 **DOI:** 10.1016/j.jtice.2023.104993 **Early Access Date:** JUN 2023 **Published:** AUG 2023

Record 866 of 1000

Title: Green Synthesis and Characterization of Silver Nanoparticles Using <i>Flaxseed</i> Extract and Evaluation of Their Antibacterial and Antioxidant Activities

Author(s): Alzubaidi, AK (Alzubaidi, Azaldeen Kazal); Al-Kaabi, WJ (Al-Kaabi, Wasan J.); Al Ali, A (Al Ali, Amer); Albukhaty, S (Albukhaty, Salim); Al-Karagoly, H (Al-Karagoly, Hassan); Sulaiman, GM (Sulaiman, Ghassan M.); Asiri, M (Asiri, Mohammed); Khane, Y (Khane, Yasmina)

Source: APPLIED SCIENCES-BASEL **Volume:** 13 **Issue:** 4 **Article Number:** 2182 **DOI:** 10.3390/app13042182 **Published:** FEB 2023

Record 867 of 1000

Title: Effect of green solvents, molecular structure and topological studies on 4-amino-1- β -D-ribofuranosyl-1,3,5 triazin-2(1H)-one-anti-blood cancer agent

Author(s): Vedhapriya, K (Vedhapriya, K.); Balaji, G (Balaji, G.); Dhiyaneshwari, B (Dhiyaneshwari, B.); Irfan, A (Irfan, Ahmad); Thirunavukkarasu, M (Thirunavukkarasu, M.); Kaleeswaran, S (Kaleeswaran, S.); Rab, SO (Rab, Safia Obaidur); Muthu, S (Muthu, S.)

Source: JOURNAL OF THE INDIAN CHEMICAL SOCIETY **Volume:** 100 **Issue:** 2 **Article Number:** 100912 **DOI:** 10.1016/j.jics.2023.100912 **Early Access Date:** JAN 2023 **Published:** FEB 2023

Record 868 of 1000**Title:** Novel 3-Substituted 8-Methoxycoumarin Derivatives as Anti-Breast Cancer Drugs**Author(s):** Al-Warhi, T (Al-Warhi, Tarfah); Abu Ali, OA (Abu Ali, Ola A.); Alqahtani, LS (Alqahtani, Leena S.); Abo-Elabass, E (Abo-Elabass, Eman); El Behery, M (El Behery, Mohammed); El-Baky, AEA (El-Baky, Atef E. Abd); Zaki, MSA (Samir A. Zaki, Mohamed); Fayad, E (Fayad, Eman); Radwan, EM (Radwan, Eman M.)**Source:** CRYSTALS **Volume:** 13 **Issue:** 7 **Article Number:** 1037 **DOI:** 10.3390/cryst13071037 **Published:** JUL 2023**Record 869 of 1000****Title:** Heavy metals in soil of three agroforestry systems: a preliminary study for source identification and ecological risk**Author(s):** Islam, MS (Islam, Md. Saiful); Hossain, MK (Hossain, Md. Kamal); Phoungthong, K (Phoungthong, Khampho); Ismail, Z (Ismail, Zulhilmi); Othman, IK (Othman, Ilya Khairanis); Ishak, DSM (Ishak, Daeng Siti Maimunah); Kabir, MH (Kabir, Md. Humayun); Ibrahim, KA (Ibrahim, Khalid A.); Idris, AM (Idris, Abubakr M.)**Source:** INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY **DOI:** 10.1080/03067319.2023.2223130 **Early Access Date:** JUN 2023**Record 870 of 1000****Title:** Exploring the structural, optoelectronic, elastic, and thermoelectric properties of cubic ternary fluoro-perovskites sodium based NaMF₃ (M = Si and Ge) compounds for heterojunction solar cells applications**Author(s):** Rahman, N (Rahman, Nasir); Husain, M (Husain, Mudasser); Sohail, M (Sohail, Mohammad); Khan, R (Khan, Rajwali); Zaman, T (Zaman, Tahir); Neffati, R (Neffati, Riyadh); Murtaza, G (Murtaza, Ghulam); Khan, A (Khan, Aurangzeb); Khan, AA (Khan, Abid Ali); Iqbal, Z (Iqbal, Zaffar)**Source:** PHYSICA SCRIPTA **Volume:** 98 **Issue:** 6 **Article Number:** 065929 **DOI:** 10.1088/1402-4896/acfc5 **Published:** JUN 1 2023**Record 871 of 1000****Title:** Influence of incorporation of samarium (Sm³⁺) on the structural and optoelectronic properties of In₂S₃ thin film for photodetector applications**Author(s):** Shkir, M (Shkir, Mohd.); Altowyan, AS (Altowyan, Abeer S.); Maiz, F (Maiz, F.); Hakami, J (Hakami, Jabir)**Source:** JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 441 **Article Number:** 114736 **DOI:** 10.1016/j.jphotochem.2023.114736 **Early Access Date:** APR 2023 **Published:** JUL 1 2023**Record 872 of 1000****Title:** Synthesis and characterization of different complexes derived from Schiff base and evaluation as a potential anticancer, antimicrobial, and insecticide agent**Author(s):** Aroua, LM (Aroua, Lotfi M.); Alhag, SK (Alhag, Sadeq K.); Al-Shuraym, LA (Al-Shuraym, Laila A.); Messaoudi, S (Messaoudi, Sabri); Mahyoub, JA (Mahyoub, Jazem A.); Alfaifi, MY (Alfaifi, Mohammad Y.); Al-Otaibi, WM (Al-Otaibi, Wafa Mohammed)**Source:** SAUDI JOURNAL OF BIOLOGICAL SCIENCES **Volume:** 30 **Issue:** 3 **Article Number:** 103598 **DOI:** 10.1016/j.sjbs.2023.103598 **Early Access Date:** FEB 2023 **Published:** MAR 2023**Record 873 of 1000****Title:** Facile synthesis of silver chloride-polyaniline nanocomposites and its photocatalytic activity for the degradation of methylene blue**Author(s):** Kanwal, F (Kanwal, Farah); Batool, A (Batool, Aisha); Aziz, F (Aziz, Fatima); Sandali, Y (Sandali, Yahya); Li, CB (Li, Chuanbo); Ullah, HMN (Ullah, Hafiz Muhammad Naeem); Qasim, M (Qasim, Muhammad); Irfan, A (Irfan, Ahmad); Sulaman, M (Sulaman, Muhammad)**Source:** MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS **Volume:** 299 **Article Number:** 117026 **DOI:** 10.1016/j.mseb.2023.117026 **Early Access Date:** NOV 2023 **Published:** JAN 2024**Record 874 of 1000****Title:** Surface crafting and entrapment of CsPbBr₃ perovskite QDs in ZIF-8 for ammonia recognition**Author(s):** Ahmad, I (Ahmad, Imtiaz); Abohashrh, M (Abohashrh, Mohammed); Rahim, A (Rahim, Abdur); Ahmad, S (Ahmad, Sadia); Muhmood, T (Muhmood, Tahir); Wen, HL (Wen, Hongli)**Source:** SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY **Volume:** 302 **Article Number:** 123091 **DOI:** 10.1016/j.saa.2023.123091 **Early Access Date:** JUL 2023 **Published:** DEC 5 2023

Record 875 of 1000

Title: Cell-free systems for biosynthesis: towards a sustainable and economical approach

Author(s): Ullah, MW (Ullah, Muhammad Wajid); Manan, S (Manan, Sehrish); Ul-Islam, M (Ul-Islam, Mazhar); Khattak, WA (Khattak, Waleed Ahmad); Khan, KA (Khan, Khalid Ali); Liu, J (Liu, Jun); Yang, G (Yang, Guang); Sun, JZ (Sun, Jianzhong)

Source: GREEN CHEMISTRY **Volume:** 25 **Issue:** 13 **Pages:** 4912-4940 **DOI:** 10.1039/d3gc00985h **Early Access Date:** MAY 2023 **Published:** JUL 3 2023

Record 876 of 1000

Title: Discovery of Novel Dimeric Pyridinium Bromide Analogues Inhibits Cancer Cell Growth by Activating Caspases and Downregulating Bcl-2 Protein

Author(s): Govindaraj, S (Govindaraj, Senthilnathan); Ganesan, K (Ganesan, Kilivelu); Dharmasivam, M (Dharmasivam, Mahendiran); Raman, L (Raman, Lakshmisundaram); Kuppusamy, KM (Kuppusamy, Kalaivani M.); Pandiappan, V (Pandiappan, Viswanathan); Alam, MM (Alam, Mohammed Mujahid); Mohammed, A (Mohammed, Amanullah)

Source: ACS OMEGA **Volume:** 8 **Issue:** 14 **Pages:** 13243-13251 **DOI:** 10.1021/acsomega.3c00526 **Early Access Date:** MAR 2023 **Published:** APR 11 2023

Record 877 of 1000

Title: Structural, optical, morphological and electrochemical properties of ZnO and graphene oxide blended ZnO nanocomposites

Author(s): Sudha, D (Sudha, D.); Kumar, ER (Kumar, E. Ranjith); Shanjitha, S (Shanjitha, S.); Munshi, AM (Munshi, Alaa M.); Al-Hazmi, GAA (Al-Hazmi, Gamil A. A.); El-Metwaly, NM (El-Metwaly, Nashwa M.); Kirubavathy, SJ (Kirubavathy, S. Jone)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 5 **Pages:** 7284-7288 **DOI:** 10.1016/j.ceramint.2022.10.192 **Early Access Date:** FEB 2023 **Published:** MAR 1 2023

Record 878 of 1000

Title: Gate-controlled rectification and broadband photodetection in a P-N diode based on TMDC heterostructures

Author(s): Elahi, E (Elahi, Ehsan); Nisar, S (Nisar, Sobia); Rabeel, M (Rabeel, Muhammad); Rehman, MA (Rehman, Malik Abdul); Ouladsamne, M (Ouladsamne, Mohamed); Irfan, A (Irfan, Ahmad); Abubakr, M (Abubakr, Muhammad); Aziz, J (Aziz, Jamal); Asim, M (Asim, Muhammad); Dastgeer, G (Dastgeer, Ghulam)

Source: MATERIALS ADVANCES **Volume:** 5 **Issue:** 3 **Pages:** 1226-1233 **DOI:** 10.1039/d3ma00786c **Early Access Date:** DEC 2023 **Published:** FEB 5 2024

Record 879 of 1000

Title: Synthesis and characterization of highly efficient Te-doped Mn₃O₄ and s-g-C₃N₄/Te- Mn₃O₄ nanocomposites as an excellent antimicrobial and photocatalytic agent

Author(s): Umar, M (Umar, Misbah); Ajaz, H (Ajaz, Humayun); Javed, M (Javed, Mohsin); Iqbal, S (Iqbal, Shahid); Khan, MS (Khan, Muhammad Shuaib); Alhujaily, A (Alhujaily, Ahmad); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 157 **Article Number:** 111353 **DOI:** 10.1016/j.inoche.2023.111353 **Early Access Date:** SEP 2023 **Published:** NOV 2023

Record 880 of 1000

Title: Comprehensive investigation of the impact of transition metal doping on the opto-electronic and magnetic properties of Cs₂NaAlF₆ first principle study

Author(s): Khan, R (Khan, Rashid); Aamer, M (Aamer, Muhammad); Zhang, QM (Zhang, Qingmin); Ali, N (Ali, Nargis); Azam, S (Azam, Sikander); Rahman, AU (Rahman, Amin Ur); Nasir, MF (Nasir, Muhammad Farooq); Qasim, I (Qasim, Irfan); Aftab, S (Aftab, Sikandar); Neffati, R (Neffati, R.); Amami, M (Amami, Mongi)

Source: JOURNAL OF SOLID STATE CHEMISTRY **Volume:** 326 **Article Number:** 124193 **DOI:** 10.1016/j.jssc.2023.124193 **Early Access Date:** JUL 2023 **Published:** OCT 2023

Record 881 of 1000

Title: Optoelectronic and Photonic Characteristics of Al/p-Si Diode with Boric Acid-Doped Zinc Oxide Interlayer

Author(s): Al-Sehemi, AG (Al-Sehemi, Abdullah G. G.); Tataroglu, A (Tataroglu, A.); Karabulut, A (Karabulut, Abdulkerim); Dere, A (Dere, Aysegul); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A. A.); Yakuphanoglu, F (Yakuphanoglu, F.)
Source: JOM **Volume:** 75 **Issue:** 9 **Pages:** 3587-3600 **DOI:** 10.1007/s11837-023-05979-0 **Early Access Date:** JUL 2023 **Published:** SEP 2023

Record 882 of 1000

Title: Biosynthesis of aluminium oxide nanobiocomposite and its application for the removal of toxic metals from drinking water

Author(s): Bhutto, AA (Bhutto, Ashfaque Ali); Baig, JA (Baig, Jameel Ahmed); Uddin, S (Uddin, Siraj); Kazi, TG (Kazi, Tasneem Gul); Sierra-Alvarez, R (Sierra-Alvarez, Reyes); Akhtar, K (Akhtar, Khalil); Perveen, S (Perveen, Saima); Afridi, HI (Afridi, Hassan Imran); Ali, HE (Ali, H. Elhosiny); Hol, A (Hol, Aysen); Samejo, S (Samejo, Suraya)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 9 **Pages:** 14615-14623 **DOI:** 10.1016/j.ceramint.2023.01.052 **Early Access Date:** MAR 2023 **Part:** A **Published:** MAY 1 2023

Record 883 of 1000

Title: Thermal-frictional behavior of new special shape twisted tape and helical coiled wire turbulators in engine heat exchangers system

Author(s): Luo, J (Luo, Jie); Alghamdi, A (Alghamdi, Ahmed); Aldawi, F (Aldawi, Fayez); Moria, H (Moria, Hazim); Mouldi, A (Mouldi, Abir); Loukil, H (Loukil, Hassen); Deifalla, AF (Deifalla, Ahmed Farouk); Ghoushchi, SP (Ghoushchi, S. P.)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 53 **Article Number:** 103877 **DOI:** 10.1016/j.csite.2023.103877 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 884 of 1000

Title: Impact of photoinduced energy transfer and LSPR of Au nanoparticles prepared by pulsed laser ablation technique on nonlinear optical response of zinc tetraphenyl porphyrin

Author(s): Kaniyarakkal, S (Kaniyarakkal, Sharafudeen); Edappadikkunnummal, S (Edappadikkunnummal, Shiju); Soman, R (Soman, Rahul); Nair, DLM (Nair, Darshan Lal M.); Kannan, VK (Kannan, Viswanathan Kodakkal); Nair, VS (Nair, Vijayakumar Sadasivan); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Narendran, S (Narendran, Siji)

Source: SYNTHETIC METALS **Volume:** 301 **Article Number:** 117517 **DOI:** 10.1016/j.synthmet.2023.117517 **Early Access Date:** DEC 2023 **Published:** JAN-FEB 2024

Record 885 of 1000

Title: Dye Degradation, Antimicrobial Activity, and Molecular Docking Analysis of Samarium-Grafted Carbon Nitride Doped-Bismuth Oxobromide Quantum Dots

Author(s): Rani, S (Rani, Shams); Imran, M (Imran, Muhammad); Haider, A (Haider, Ali); Shahzadi, A (Shahzadi, Anum); Ul-Hamid, A (Ul-Hamid, Anwar); Somaily, HH (Somaily, H. H.); Moeen, S (Moeen, Sawaira); Khan, M (Khan, Mahreen); Nabgan, W (Nabgan, Walid); Ikram, M (Ikram, Muhammad)

Source: GLOBAL CHALLENGES **Volume:** 7 **Issue:** 12 **DOI:** 10.1002/gch2.202300118 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 886 of 1000

Title: Rationally designed Mo-based advanced nanostructured materials for energy storage technologies: Advances and prospects

Author(s): Ali, HH (Ali, Hafiz Haider); Arif, M (Arif, Muhammad); Habiba, U (Habiba, Ume); Khurshid, A (Khurshid, Areeba); Azhar, U (Azhar, Umair); Sagir, M (Sagir, Muhammad); Mushtaq, MA (Mushtaq, Muhammad Asim); Ullah, S (Ullah, Sami); Assiri, MA (Assiri, Mohammed Ali); Talib, U (Talib, Unaiza); Tahir, MS (Tahir, Muhammad Suleman); Tahir, MB (Tahir, Muhammad Bilal); Yasin, G (Yasin, Ghulam)

Source: SUSTAINABLE MATERIALS AND TECHNOLOGIES **Volume:** 38 **Article Number:** e00738 **DOI:** 10.1016/j.susmat.2023.e00738 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 887 of 1000

Title: F and rare V⁴⁺ doped cobalt hydroxide hybrid nanostructures: excellent OER activity with ultralow overpotential

Author(s): Muthukumar, P (Muthukumar, Pandi); Nantheeswaran, P (Nantheeswaran, Periyappan); Mariappan, M (Mariappan, Mariappan); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Anthony, SP (Anthony, Savarimuthu Philip)

Record 888 of 1000

Title: Exploration of the Safety and Solubilization, Dissolution, Analgesic Effects of Common Basic Excipients on the NSAID Drug Ketoprofen

Author(s): Abou-Taleb, HA (Abou-Taleb, Heba A.); Shoman, ME (Shoman, Mai E.); Makram, TS (Makram, Tarek Saad); Abdel-Aleem, JA (Abdel-Aleem, Jehan A.); Abdelkader, H (Abdelkader, Hamdy)

Source: PHARMACEUTICS **Volume:** 15 **Issue:** 2 **Article Number:** 713 **DOI:** 10.3390/pharmaceutics15020713 **Published:** FEB 2023

Record 889 of 1000

Title: Insight into the anti-corrosion mechanism of Pisum sativum L leaves extract as the degradable inhibitor for Q235 steel in sulfuric acid medium

Author(s): Chen, J (Chen, Jing); Wu, YD (Wu, Yundong); Guo, L (Guo, Lei); Li, WP (Li, Wenpo); Tan, BC (Tan, Bochuan); Brahmia, A (Brahmia, Ameni)

Source: JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS **Volume:** 143 **Article Number:** 104664 **DOI:** 10.1016/j.jtice.2022.104664 **Early Access Date:** JAN 2023 **Published:** FEB 2023

Record 890 of 1000

Title: Synthesis of mesoporous Ag/ α -Fe₂O₃/TiO₂ heterostructures with enhanced and accelerated photo-/catalytic reduction of 4-nitrophenol

Author(s): Ali, AM (Ali, Atif Mossad); El-hosainy, H (El-hosainy, Hamza); Alhassan, IY (Alhassan, Iman Y.); Al-Hajji, LA (Al-Hajji, Latifa A.); Ismail, AA (Ismail, Adel A.); Algarni, H (Algarni, Hamed); El-Bery, HM (El-Bery, Haitham M.)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 30 **Issue:** 14 **Pages:** 41405-41418 **DOI:** 10.1007/s11356-023-25228-w **Early Access Date:** JAN 2023 **Published:** MAR 2023

Record 891 of 1000

Title: Numerical study for bioconvection peristaltic flow of Sisko nanofluid with Joule heating and thermal radiation

Author(s): Nisar, Z (Nisar, Zahid); Ahmed, B (Ahmed, Bilal); Ghazwani, HA (Ghazwani, Hassan Ali); Muhammad, K (Muhammad, Khursheed); Hussien, M (Hussien, Mohamed); Aziz, A (Aziz, Arsalan)

Source: HELIYON **Volume:** 9 **Issue:** 12 **Article Number:** e22505 **DOI:** 10.1016/j.heliyon.2023.e22505 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 892 of 1000

Title: Second law and thermal analyses of non-Newtonian nanofluid double-diffusive natural convection within a two-hot-baffles-equipped C-shaped domain impacted by magnetic field

Author(s): Irshad, K (Irshad, Kashif); Pasha, AA (Pasha, Amjad Ali); Al Mesfer, MK (Al Mesfer, Mohammed K.); Danish, M (Danish, Mohd); Nayak, MK (Nayak, Manoj Kumar); Chamkha, A (Chamkha, Ali); Galal, AM (Galal, Ahmed M.)

Source: INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW **Volume:** 34 **Issue:** 2 **Special Issue:** SI **Pages:** 581-607 **DOI:** 10.1108/HFF-02-2023-0089 **Early Access Date:** NOV 2023 **Published:** FEB 23 2024

Record 893 of 1000

Title: Nanomaterial-based biosensor for effective pressure sensing in biological applications

Author(s): Ahmad, MT (Ahmad, Mohammad Tauheed); Alam, MM (Alam, Md. Moddassir); Imran, M (Imran, Mohd); Azim, R (Azim, Rezaul); Alam, MM (Alam, Md. Mottahir)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 28 **Article Number:** 1946 **DOI:** 10.1007/s10854-023-11291-z **Published:** OCT 2023

Record 894 of 1000

Title: Remarkable effects of laser irradiation in adjusting the structural, morphological, and optical properties of spray pyrolysis-synthesized NiO nanostructured films for optoelectronic applications

Author(s): Qasem, A (Qasem, Ammar); Alraddadi, S (Alraddadi, Shoroog); Al -Amery, E (Al -Amery, Eshraq); Alrafai, HA (Alrafai, H. A.); Shaaban, ER (Shaaban, E. R.)

Source: OPTICS AND LASER TECHNOLOGY **Volume:** 164 **Article Number:** 109488 **DOI:** 10.1016/j.optlastec.2023.109488 **Early Access Date:** APR 2023 **Published:** SEP 2023

Record 895 of 1000

Title: Dysregulation of metalloproteins in ischemic heart disease patients with systolic dysfunction

Author(s): Khan, N (Khan, Noman); Ullah, J (Ullah, Junaid); Hashmi, S (Hashmi, Satwat); Ali, A (Ali, Arslan); Siddiqui, AJ (Siddiqui, Amna Jabbar); Sami, SA (Sami, Shahid Ahmed); Bokhari, SS (Bokhari, Syeda Saira); Sharif, H (Sharif, Hasanat); Uddin, J (Uddin, Jalal); El-Seedi, HR (El-Seedi, Hesham R.); Musharraf, SG (Musharraf, Syed Ghulam)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 232 **Article Number:** 123435 **DOI:** 10.1016/j.ijbiomac.2023.123435 **Early Access Date:** FEB 2023 **Published:** MAR 31 2023

Record 896 of 1000

Title: Synthesis, solvent-solute interactions (polar and non-polar), spectroscopic insights, topological aspects, Fukui functions, molecular docking, ADME, and donor-acceptor investigations of 2-(trifluoromethyl)benzimidazole: A promising candidate for antitumor pharmacotherapy

Author(s): Kumar, AR (Kumar, A. Ram); Selvaraj, S (Selvaraj, S.); Mol, GPS (Mol, G. P. Sheeja); Selvaraj, M (Selvaraj, M.); Ilavarasan, L (Ilavarasan, L.); Pandey, SK (Pandey, Sarvesh Kumar); Jayaprakash, P (Jayaprakash, P.); Awasthi, S (Awasthi, Shikha); Albormani, O (Albormani, Omeer); Ravi, A (Ravi, A.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 393 **Article Number:** 123661 **DOI:** 10.1016/j.molliq.2023.123661 **Early Access Date:** NOV 2023 **Published:** JAN 1 2024

Record 897 of 1000

Title: Metals (Ga, In) encapsulated aluminum nitride nanotubes (AlNNTs) as nonenzymatic sensors for biomarker volatiles of liver cirrhosis: A computational study

Author(s): Godfrey, OC (Godfrey, Obinna C.); Louis, H (Louis, Hitler); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Gber, TE (Gber, Terkumbur E.); Kavil, YN (Kavil, Yasar N.); Ede, OF (Ede, Ogonna F.); Akor, FO (Akor, Faith O.); Adeyinka, AS (Adeyinka, Adedapo S.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 392 **Article Number:** 123398 **DOI:** 10.1016/j.molliq.2023.123398 **Early Access Date:** NOV 2023 **Part:** 1 **Published:** DEC 15 2023

Record 898 of 1000

Title: Couple stress-based thermoelastic damping in microrings with rectangular cross section according to Moore-Gibson-Thompson heat equation

Author(s): Al-Bahrani, M (Al-Bahrani, Mohammed); AbdulAmeer, SA (AbdulAmeer, Sabah Auda); Yasin, Y (Yasin, Yaser); Alanssari, AI (Alanssari, Ali Ihsan); Hameed, AS (Hameed, Asaad Shakir); Sulaiman, JMA (Sulaiman, Jameel Mohammed Ameen); Hussein, MJ (Hussein, Mohamed J.); Alam, MM (Alam, Mohammad Mahtab)

Source: ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING **Volume:** 23 **Issue:** 3 **Article Number:** 151 **DOI:** 10.1007/s43452-023-00694-8 **Published:** MAY 25 2023

Record 899 of 1000

Title: Mitigation of Benzene-Induced Haematotoxicity in Sprague Dawley Rats through Plant-Extract-Loaded Silica Nanobeads

Author(s): Rehan, T (Rehan, Touseef); Tahir, A (Tahir, Anum); Sultan, A (Sultan, Aneesa); Alabbosh, KF (Alabbosh, Khulood Fahad); Waseem, S (Waseem, Shahid); Ul-Islam, M (Ul-Islam, Mazhar); Khan, KA (Khan, Khalid Ali); Ibrahim, EH (Ibrahim, Essam H.); Ullah, MW (Ullah, Muhammad Wajid); Shah, NSL (Shah, Nasrullah)

Source: TOXICS **Volume:** 11 **Issue:** 10 **Article Number:** 865 **DOI:** 10.3390/toxics11100865 **Published:** OCT 2023

Record 900 of 1000

Title: Ecological and human health hazards; integrated risk assessment of organochlorine pesticides (OCPs) from the Chenab River, Pakistan

Author(s): Siddique, S (Siddique, Sidra); Chaudhry, MN (Chaudhry, M. Nawaz); Ahmad, SR (Ahmad, Sajid Rashid); Nazir, R (Nazir, Rabia); Zhao, Z (Zhao, Zhen); Javed, R (Javed, Rimsha); Alghamdi, HA (Alghamdi, Huda Ahmed); Mahmood, A (Mahmood, Adeel)

Source: SCIENCE OF THE TOTAL ENVIRONMENT **Volume:** 882 **Article Number:** 163504 **DOI:** 10.1016/j.scitotenv.2023.163504 **Early Access Date:** APR 2023 **Published:** JUL 15 2023

Record 901 of 1000

Title: Catalytic action and bactericidal behavior of samarium/carbon spheres-doped manganese oxide nanostructures and their molecular docking analysis

Author(s): Ul Haq, E (Ul Haq, Ehtasham); Imran, M (Imran, Muhammad); Haider, A (Haider, Ali); Shahzadi, A (Shahzadi, Anum); Habib, A (Habib, Ayesha); Ul-Hamid, A (Ul-Hamid, Anwar); Nabgan, W (Nabgan, Walid); Bajaber, MA (Bajaber, Majed A.); Ikram, M (Ikram, Muhammad)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 973 **Article Number:** 172760 **DOI:** 10.1016/j.jallcom.2023.172760 **Early Access Date:** NOV 2023 **Published:** FEB 5 2024

Record 902 of 1000

Title: Validation of the efficiency of arsenic mitigation strategies in southwestern region of Bangladesh and development of a cost-effective adsorbent to mitigate arsenic levels

Author(s): Hossain, MI (Hossain, Mohammad Imran); Bukhari, A (Bukhari, Atiya); Almujiabah, H (Almujiabah, Hamad); Alam, MM (Alam, Mohammad Mahtab); Islam, MN (Islam, Md Nurnobi); Chowdhury, TA (Chowdhury, Tahmid A.); Islam, S (Islam, Suravi); Joardar, M (Joardar, Madhurima); Roychowdhury, T (Roychowdhury, Tarit); Hasnat, MA (Hasnat, Mohammad A.)

Source: JOURNAL OF ENVIRONMENTAL MANAGEMENT **Volume:** 348 **Article Number:** 119381 **DOI:** 10.1016/j.jenvman.2023.119381 **Early Access Date:** OCT 2023 **Published:** DEC 15 2023

Record 903 of 1000

Title: Optoelectronic enhancement of ZnO/p-Si Schottky barrier photodiodes by (Sn,Ti) co-doping

Author(s): Mensah-Darkwa, K (Mensah-Darkwa, Kwado); Ocaya, RO (Ocaya, Richard O.); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Yeboah, D (Yeboah, Daniel); Dere, A (Dere, Aysegul); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Gupta, RK (Gupta, Ram K.); Yakuphanoglu, F (Yakuphanoglu, Fahrettin)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 667 **Article Number:** 415155 **DOI:** 10.1016/j.physb.2023.415155 **Early Access Date:** AUG 2023 **Published:** OCT 15 2023

Record 904 of 1000

Title: Photocatalytic and photovoltaic applications of green synthesized titanium oxide (TiO₂) nanoparticles by *Calotropis gigantea* extract

Author(s): Pavithra, S (Pavithra, S.); Bessy, TC (Bessy, T. C.); Bindhu, MR (Bindhu, M. R.); Venkatesan, R (Venkatesan, Ragavendran); Parimaladevi, R (Parimaladevi, R.); Alam, MM (Alam, Mohammed Mujahid); Mayandi, J (Mayandi, Jeyanthinath); Umadevi, M (Umadevi, M.)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 960 **Article Number:** 170638 **DOI:** 10.1016/j.jallcom.2023.170638 **Early Access Date:** MAY 2023 **Published:** OCT 15 2023

Record 905 of 1000

Title: Evaluating the Anti-Gastric Ulcer Activity of *Aegle marmelos*: A Brief Review

Author(s): Zaib, S (Zaib, Sumera); Javed, H (Javed, Hira); Ogaly, HA (Ogaly, Hanan A.); Khan, I (Khan, Imtiaz)

Source: CHEMISTRYSELECT **Volume:** 8 **Issue:** 10 **Article Number:** e202204193 **DOI:** 10.1002/slct.202204193 **Published:** MAR 13 2023

Record 906 of 1000

Title: Exploring the Potential of Phytocompounds for Targeting Epigenetic Mechanisms in Rheumatoid Arthritis: An In Silico Study Using Similarity Indexing

Author(s): Deshpande, SH (Deshpande, Sanjay H. H.); Bagewadi, ZK (Bagewadi, Zabin K. K.); Khan, TMY (Khan, T. M. Yunus); Mahnashi, MH (Mahnashi, Mater H. H.); Shaikh, IA (Shaikh, Ibrahim Ahmed); Alshehery, S (Alshehery, Sultan); Khan, AA (Khan, Aejaz A. A.); Patil, VS (Patil, Vishal S. S.); Roy, S (Roy, Subarna)

Source: MOLECULES **Volume:** 28 **Issue:** 6 **Article Number:** 2430 **DOI:** 10.3390/molecules28062430 **Published:** MAR 2023

Record 907 of 1000

Title: Building electrons clouds of redesigned copper oxide nanorods captured on the graphene oxide surface for supercapacitors and energy storage

Author(s): El-Shafai, NM (El-Shafai, Nagi M.); Alamrani, NA (Alamrani, Nasser A.); Al-bonayan, AM (Al-bonayan, Ameena M.); Abu-Melha, S (Abu-Melha, Sraa); El-Metwaly, NM (El-Metwaly, Nashwa M.); El-Mehasseb, I (El-Mehasseb, Ibrahim)

Source: SURFACES AND INTERFACES **Volume:** 38 **Article Number:** 102757 **DOI:** 10.1016/j.surfin.2023.102757 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 908 of 1000

Title: Numerical study of thermal and solutal advancements in ZnO-SAE50 nanolubricant flow past a convergent/divergent channel with the effects of thermophoretic particle deposition

Author(s): Shilpa, B (Shilpa, B.); Srilatha, P (Srilatha, Pudhari); Khan, U (Khan, Umair); Kumar, RN (Kumar, R. Naveen); Ben Ahmed, S (Ben Ahmed, Samia); Kumar, R (Kumar, Raman)

Source: NANOSCALE ADVANCES **Volume:** 5 **Issue:** 23 **Pages:** 6647-6658 **DOI:** 10.1039/d3na00816a **Early Access Date:** NOV 2023 **Published:** NOV 21 2023

Record 909 of 1000

Title: Synthesis of mulberry wood waste biochar through acid modification for removal of dyes: experimental and DFT-based analysis

Author(s): Mutahir, S (Mutahir, Sadaf); Khan, MA (Khan, Muhammad Asim); Ishfaq, H (Ishfaq, Hina); Ben Ahmed, S (Ben Ahmed, Samia); Abouzied, AS (Abouzied, Amr S.); Huwaimel, B (Huwaimel, Bader); Deng, HS (Deng, Haishan)

Source: BIOMASS CONVERSION AND BIOREFINERY **DOI:** 10.1007/s13399-023-04595-x **Early Access Date:** JUL 2023

Record 910 of 1000

Title: Cobalt metal-organic framework microcrystalline particles with strong electrocatalytic activity: amine controlled morphology and OER activity (vol 47, pg 9654, 2023)

Author(s): Arunkumar, G (Arunkumar, Gunasekaran); Nantheeswaran, P (Nantheeswaran, Periyappan); Mariappan, M (Mariappan, Mariappan); Kamlekar, RK (Kamlekar, Ravi Kanth); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G. G.); Anthony, SP (Anthony, Savarimuthu Philip)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 22 **Pages:** 10892-10892 **DOI:** 10.1039/d3nj90074f **Early Access Date:** MAY 2023 **Published:** JUN 6 2023

Record 911 of 1000

Title: Cobalt metal-organic framework microcrystalline particles with strong electrocatalytic activity: amine controlled morphology and OER activity

Author(s): Arunkumar, G (Arunkumar, Gunasekaran); Nantheeswaran, P (Nantheeswaran, Periyappan); Mariappan, M (Mariappan, Mariappan); Kamlekar, RK (Kamlekar, Ravi Kanth); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G. G.); Anthony, SP (Anthony, Savarimuthu Philip)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 20 **Pages:** 9654-9660 **DOI:** 10.1039/d3nj01457f **Early Access Date:** APR 2023 **Published:** MAY 22 2023

Record 912 of 1000

Title: The dynamics of novel corona virus disease via stochastic epidemiological model with vaccination

Author(s): Ullah, R (Ullah, Rahman); Al Mdallal, Q (Al Mdallal, Qasem); Khan, T (Khan, Tahir); Ullah, R (Ullah, Roman); Al Alwan, B (Al Alwan, Basem); Faiz, F (Faiz, Faizullah); Zhu, QX (Zhu, Quanxin)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 3805 **DOI:** 10.1038/s41598-023-30647-3 **Published:** MAR 7 2023

Record 913 of 1000

Title: Effect of green solvents physical, chemical, biological and bonding nature on 5-acetyl-thiophene-2-carboxylic acid by DFT and TD-DFT approach - An antiviral agent

Author(s): Sumithra, M (Sumithra, M.); Sundaraganesan, N (Sundaraganesan, N.); Prasad, KV (Prasad, K. Venkata); Rajesh, R (Rajesh, R.); Vetrivelan, V (Vetrivelan, V.); Ilangoan, V (Ilangoan, V.); Irfan, A (Irfan, Ahmad); Muthu, S (Muthu, S.)

Source: JOURNAL OF THE INDIAN CHEMICAL SOCIETY **Volume:** 100 **Issue:** 2 **Article Number:** 100867 **DOI:** 10.1016/j.jics.2022.100867 **Early Access Date:** JAN 2023 **Published:** FEB 2023

Record 914 of 1000

Title: Designing multi-epitope monkeypox virus-specific vaccine using immunoinformatics approach

Author(s): Zaib, S (Zaib, Sumera); Rana, N (Rana, Nehal); Areeba (Areeba); Hussain, N (Hussain, Nadia); Alrbyawi, H (Alrbyawi, Hamad); Dera, AA (Dera, Ayed A.); Khan, I (Khan, Imtiaz); Khalid, M (Khalid, Mohammad); Khan, A (Khan, Ajmal); Al-Harrasi, A (Al-Harrasi, Ahmed)

Record 915 of 1000

Title: Expression Profiling of the Tripartite Motif Family Genes in Chronic Hepatitis C Patients

Author(s): Khan, R (Khan, Ramisha); Ali, A (Ali, Amjad); Bibi, S (Bibi, Sadia); Rafique, S (Rafique, Shazia); Idrees, M (Idrees, Muhammad); Halim, SA (Halim, Sobia Ahsan); Waqas, M (Waqas, Muhammad); Bahadar, H (Bahadar, Haji); Uddin, J (Uddin, Jalal); Khan, A (Khan, Ajmal); Al-Harrasi, A (Al-Harrasi, Ahmed)

Source: ACS OMEGA Volume: 8 Issue: 28 Pages: 25370-25377 DOI: 10.1021/acsomega.3c02800 Early Access

Date: JUL 2023 **Published:** JUL 7 2023

Record 916 of 1000

Title: Coconut waste valorization to produce biochar catalyst and its application in cellulose-degrading enzymes production via SSF

Author(s): Saeed, M (Saeed, Mohd); Mohammad, A (Mohammad, Akbar); Singh, P (Singh, Pardeep); Lal, B (Lal, Basant); Suliman, M (Suliman, Muath); Alshahrani, MY (Alshahrani, Mohammad Y.); Sharma, M (Sharma, Minaxi)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 240 Article Number: 124382 DOI: 10.1016/j.ijbiomac.2023.124382 Early Access Date: APR 2023 Published: JUN 15 2023

Record 917 of 1000

Title: Porosity-Enhanced Catalytic Activity of

$0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-0.5(\text{Ba}_{0.7}\text{Sr}_{0.3})\text{TiO}_3$ Ceramics

Author(s): Katubi, KM (Katubi, Khadijah Mohammedsaleh); Dubey, S (Dubey, Shivam); Gaur, A (Gaur, Akshay); Vaish, R (Vaish, Rahul); Alsaiani, NS (Alsaiani, Norah Salem); Kebaili, I (Kebaili, Imen); Boukhris, I (Boukhris, Imed); Alzahrani, FMA (Alzahrani, Fatimah Mohammed A.); Al-Buriahi, MS (Al-Buriahi, M. S.)

Source: JOURNAL OF ELECTRONIC MATERIALS Volume: 53 Issue: 2 Pages: 571-595 DOI: 10.1007/s11664-023-10857-1 Early Access Date: DEC 2023 Published: FEB 2024

Record 918 of 1000

Title: Green synthesis and characterizations of bi-functional Mo-doped ZnO nanostructures for antimicrobial and photocatalytic applications

Author(s): Khalid, NR (Khalid, N. R.); Sabir, M (Sabir, Muntaha); Ali, F (Ali, Faisal); Tahir, MB (Tahir, M. B.); Javid, MA (Javid, Muhammad Arshad); Niaz, NA (Niaz, N. A.); Ahmed, R (Ahmed, Rizwan); Rafique, M (Rafique, M.); Imran, M (Imran, Muhammad); Assiri, MA (Assiri, Muhammad A.)

Source: MATERIALS CHEMISTRY AND PHYSICS Volume: 296 Article Number: 127306 DOI:

10.1016/j.matchemphys.2023.127306 Early Access Date: JAN 2023 Published: FEB 15 2023

Record 919 of 1000

Title: Design, synthesis, *in vitro* acetylcholinesterase, butyrylcholinesterase activities, and *in silico* molecular docking study of oxindole-oxadiazole hybrid analogues

Author(s): Alzahrani, AYA (Alzahrani, Abdullah Yahya Abdullah); Ullah, H (Ullah, Hayat); Bhat, MA (Bhat, Mashooq Ahmad); Rahim, F (Rahim, Fazal); Al-Wesabi, EO (Al-Wesabi, Esam Omar); Alanazi, TYA (Alanazi, Tahani Y. A.)

Source: JOURNAL OF MOLECULAR STRUCTURE Volume: 1299 Article Number: 137167 DOI:

10.1016/j.molstruc.2023.137167 Early Access Date: DEC 2023 Published: MAR 5 2024

Record 920 of 1000

Title: Simultaneous removal of Norfloxacin, Ciprofloxacin, and copper from aqueous solution by chitosan and MXene functionalized graphene oxide ternary composite based on anion-synergistic interaction

Author(s): Bukhari, A (Bukhari, Aysha); Ijaz, I (Ijaz, Irfan); Gilani, E (Gilani, Ezaz); Nazir, A (Nazir, Ammara); Zain, H (Zain, Hina); Muhammad, S (Muhammad, Shabbir); Bukhari, A (Bukhari, Awais); Shaheen, A (Shaheen, Attia); Hussain, S (Hussain, Sajjad)

Source: CHEMICAL ENGINEERING JOURNAL Volume: 474 Article Number: 145890 DOI:

10.1016/j.cej.2023.145890 Early Access Date: SEP 2023 Published: OCT 15 2023

Record 921 of 1000

Title: Optical, and electrical conductivity properties of ZnO and TiO₂ nanoparticles scattered in PEO-PVA for electrical devices

Author(s): El-Morsy, MA (El-Morsy, M. A.); Awwad, NS (Awwad, Nasser S.); Ibrahim, HA (Ibrahim, Hala A.); Farea, MO (Farea, M. O.)

Source: RESULTS IN PHYSICS **Volume:** 50 **Article Number:** 106592 **DOI:** 10.1016/j.rinp.2023.106592 **Early Access Date:** JUN 2023 **Published:** JUL 2023

Record 922 of 1000

Title: Comparative study of distinct halide composites for highly efficient perovskite solar cells using a SCAPS-1D simulator

Author(s): Bhattarai, S (Bhattarai, Sagar); Pandey, R (Pandey, Rahul); Madan, J (Madan, Jaya); Tayeng, S (Tayeng, Soney); Kalita, PK (Kalita, P. K.); Ansari, MZ (Ansari, Mohd Zahid); Ben Farhat, L (Ben Farhat, Lamia); Amami, M (Amami, Mongi); Hossain, MK (Hossain, M. Khalid)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 38 **Pages:** 26851-26860 **DOI:** 10.1039/d3ra04134d **Published:** SEP 4 2023

Record 923 of 1000

Title: Synthesis of composites and their characterization for high-frequency applications

Author(s): Aman, S (Aman, Salma); Elsaedy, HI (Elsaedy, H. I.); Alharbi, FF (Alharbi, F. F.); Ejaz, SR (Ejaz, Syeda Rabia); Ahmad, N (Ahmad, Naseeb); Zeshan, M (Zeshan, Muhammad); Ali, M (Ali, Mahmood); Farid, HT (Farid, Hafiz Muhammad Tahir)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 156 **Article Number:** 111188 **DOI:** 10.1016/j.inoche.2023.111188 **Early Access Date:** AUG 2023 **Published:** OCT 2023

Record 924 of 1000

Title: Developing a Simple, Effective, and Quick Process to Make Silver Nanowires with a High Aspect Ratio

Author(s): Alharshan, GA (Alharshan, Gharam A. A.); Uosif, MAM (Uosif, Mohamed A. M.); Abdel-Rahim, RD (Abdel-Rahim, Rabeea D. D.); Yousef, E (Yousef, El Sayed); Shaaban, ER (Shaaban, Essam Ramadan); Nagiub, AM (Nagiub, Adham M. M.)

Source: MATERIALS **Volume:** 16 **Issue:** 15 **Article Number:** 5501 **DOI:** 10.3390/ma16155501 **Published:** AUG 2023

Record 925 of 1000

Title: Computational modeling of imines based anti-oxidant and anti-esterases compounds: Synthesis, single crystal and In-vitro assessment

Author(s): Raza, MA (Raza, Muhammad Asam); Farwa, U (Farwa, Umme); Danish, M (Danish, Muhammad); Ozturk, S (Ozturk, Seyhan); Aagar, AA (Aagar, Aysen Alaman); Dege, N (Dege, Necmi); Rehman, SU (Rehman, Shafiq Ur); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: COMPUTATIONAL BIOLOGY AND CHEMISTRY **Volume:** 104 **Article Number:** 107880 **DOI:** 10.1016/j.compbiolchem.2023.107880 **Early Access Date:** MAY 2023 **Published:** JUN 2023

Record 926 of 1000

Title: Advancing nitrate reduction to ammonia: insights into mechanism, activity control, and catalyst design over Pt nanoparticle-based ZrO₂

Author(s): Mahmood, A (Mahmood, Ayyaz); Perveen, F (Perveen, Fouzia); Akram, T (Akram, Tehmina); Chen, SG (Chen, Shenggui); Irfan, A (Irfan, Ahmad); Chen, HF (Chen, Huafu)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 49 **Pages:** 34497-34509 **DOI:** 10.1039/d3ra06449b **Published:** NOV 22 2023

Record 927 of 1000

Title: Impacts of BaO additions on structure, linear/nonlinear optical properties and radiation shielding competence of BaO-NiO-ZnO-B₂O₃ glasses

Author(s): Sayyed, MI (Sayyed, M. I.); Morshidy, HY (Morshidy, H. Y.); Shaaban, KS (Shaaban, Kh. S.); Abd El-Rehim, AF (Abd El-Rehim, A. F.); Ali, AM (Ali, Atif Mossad); Sadeq, MS (Sadeq, M. S.)

Source: OPTICAL MATERIALS **Volume:** 144 **Article Number:** 114300 **DOI:** 10.1016/j.optmat.2023.114300 **Early Access Date:** SEP 2023 **Published:** OCT 2023

Record 928 of 1000

Title: Conductive polymers and composites-based systems: An incipient stride in drug delivery and therapeutics realm

Author(s): Raj, GK (Raj, G. Kiran); Singh, E (Singh, Ekta); Hani, U (Hani, Umme); Ramesh, KVRNS (Ramesh, K. V. R. N. S.); Talath, S (Talath, Sirajunisa); Garg, A (Garg, Ankitha); Savadatti, K (Savadatti, Komal); Bhatt, T (Bhatt, Tanvi); Madhuchandra, K (Madhuchandra, K.); Osmani, RAM (Osmani, Riyaz Ali M.)

Source: JOURNAL OF CONTROLLED RELEASE **Volume:** 355 **Pages:** 709-729 **DOI:** 10.1016/j.jconrel.2023.02.017 **Early Access Date:** FEB 2023 **Published:** MAR 2023

Record 929 of 1000

Title: Effect of Mg/Ni doping on microstructural, optical and magnetic properties of ZnO nanoparticles

Author(s): Khan, MT (Khan, Muhammad Tahir); Khalil, Z (Khalil, Zulfiqar); Zaman, A (Zaman, Abid); Li, XP (Li, Xiping); Tirth, V (Tirth, Vineet); Quraishi, AM (Quraishi, A. M.); Wang, SS (Wang, Sisi); Ali, F (Ali, Fateh); Rehman, AU (Rehman, Attiq Ur); Ullah, R (Ullah, Rawaid)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 160 **Article Number:** 111876 **DOI:** 10.1016/j.inoche.2023.111876 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 930 of 1000

Title: Improvement the formaldehyde sensing and detection through Pt-doped graphdiyne monolayer: Quantum chemical study

Author(s): Saadh, MJ (Saadh, Mohamed J.); Mohammed, HK (Mohammed, Hala Kh.); Ameer, AJ (Ameer, A. J.); Saraswat, SK (Saraswat, Shelesh Krishna); Mohealdeen, SM (Mohealdeen, Sura Mohammad); AL Sailaw, HA (AL Sailaw, H. A.); Mudhafar, M (Mudhafar, Mustafa); Dawood, FA (Dawood, Farah A.); Elmasry, Y (Elmasry, Yasser)

Source: DIAMOND AND RELATED MATERIALS **Volume:** 140 **Article Number:** 110560 **DOI:** 10.1016/j.diamond.2023.110560 **Early Access Date:** NOV 2023 **Part:** B **Published:** DEC 2023

Record 931 of 1000

Title: Development of binder-free MoTe₂/rGO electrode via hydrothermal route for supercapacitor application

Author(s): Abdullah, M (Abdullah, Muhammad); Khan, S (Khan, Shahzaib); Jabbour, K (Jabbour, Karam); Imran, M (Imran, Muhammad); Ashiq, MF (Ashiq, Muhammad Faheem); John, P (John, Peter); Manzoor, S (Manzoor, Sumaira); Munawar, T (Munawar, Tauseef); Ashiq, MN (Ashiq, Muhammad Naeem)

Source: ELECTROCHIMICA ACTA **Volume:** 466 **Article Number:** 143020 **DOI:** 10.1016/j.electacta.2023.143020 **Early Access Date:** AUG 2023 **Published:** OCT 20 2023

Record 932 of 1000

Title: Elucidating the effect of La₂O₃-B₂O₃ exchange on structure, optical and radiation shielding improvements of Na₂O-NiO-B₂O₃ glass

Author(s): Sayyed, MI (Sayyed, M. I.); Sadeq, MS (Sadeq, M. S.); Shaaban, KS (Shaaban, Kh. S.); Abd El-Rehim, AF (Abd El-Rehim, A. F.); Ali, AM (Ali, Atif Mossad); Morshidy, HY (Morshidy, H. Y.)

Source: OPTICAL MATERIALS **Volume:** 142 **Article Number:** 114051 **DOI:** 10.1016/j.optmat.2023.114051 **Early Access Date:** JUN 2023 **Published:** AUG 2023

Record 933 of 1000

Title: Ag Nanoparticles Stabilized on Magnetic Carboxymethyl Lignin: Synthesis, Characterization and its Performance in the *N*-Acylation Reactions and Investigation of its Antioxidant and Anti-Human Colorectal Cancer Application

Author(s): Zhou, YD (Zhou, Yadong); Karmakar, B (Karmakar, Bikash); Dou, FF (Dou, Fafu); El-kott, AF (El-kott, Attalla F.); Negm, S (Negm, Sally); El Nashar, EM (El Nashar, Eman M.); Al-Saeed, FA (Al-Saeed, Fatimah A.); Salem, ET (Salem, Eman T.)

Source: CATALYSIS LETTERS **Volume:** 154 **Issue:** 2 **Pages:** 409-421 **DOI:** 10.1007/s10562-023-04310-5 **Early Access Date:** MAR 2023 **Published:** FEB 2024

Record 934 of 1000

Title: Innovative approach to synthesize Mo-Doped CuO Nanostructures: Uncovering structural and photocatalytic insights

Author(s): Mehmood, A (Mehmood, Arslan); Bibi, K (Bibi, Komal); Ali, F (Ali, Furqan); Nazir, A (Nazir, Asma); Sandhu, ZA (Sandhu, Zeshan Ali); Raza, MA (Raza, Muhammad Asam); Bhalli, AH (Bhalli, Ali Haider); Ashraf, A (Ashraf, Adnan); Aslam, M (Aslam, Muhammad); Al-Sehemi, AG (Al-Sehemi, Abdullah G.)

Source: JOURNAL OF MOLECULAR LIQUIDS **Volume:** 395 **Article Number:** 123768 **DOI:** 10.1016/j.molliq.2023.123768 **Early Access Date:** DEC 2023 **Published:** FEB 1 2024

Record 935 of 1000

Title: Synthesis and electrochemical performance of CoWO₄ and CoWO₄/MWCNT nanocomposites for highly efficient supercapacitor applications

Author(s): Ammasi, A (Ammasi, Arunkumar); Munusamy, AP (Munusamy, Anbarasan Ponnusamy); Shkir, M (Shkir, Mohd); Maiz, F (Maiz, F.); Vellingiri, B (Vellingiri, Balasubramani); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung)

Source: DIAMOND AND RELATED MATERIALS **Volume:** 139 **Article Number:** 110352 **DOI:** 10.1016/j.diamond.2023.110352 **Early Access Date:** AUG 2023 **Published:** NOV 2023

Record 936 of 1000

Title: Optimizing the performance of Cs₂AgBiBr₆ based solar cell through modification of electron and hole transport layers

Author(s): Shrivastav, N (Shrivastav, Nikhil); Madan, J (Madan, Jaya); Mohammed, MKA (Mohammed, Mustafa K. A.); Al-Mousoi, AK (Al-Mousoi, Ali K.); Hossain, MK (Hossain, M. Khalid); Amami, M (Amami, Mongi); Rahman, MF (Rahman, Md. Ferdous); Samajdar, DP (Samajdar, D. P.); Bhattarai, S (Bhattarai, Sagar); Pandey, R (Pandey, Rahul)

Source: MATERIALS TODAY COMMUNICATIONS **Volume:** 36 **Article Number:** 106761 **DOI:** 10.1016/j.mtcomm.2023.106761 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 937 of 1000

Title: Porous Hierarchical Ni/Mg/Al Layered Double Hydroxide for Adsorption of Methyl Orange from Aqueous Solution

Author(s): Waheed, T (Waheed, Tayyaba); Din, SU (Din, Salah ud); Ming, L (Ming, Lei); Ahmad, P (Ahmad, Pervaiz); Min, P (Min, Pu); Haq, S (Haq, Sirajul); Khandaker, MU (Khandaker, Mayeen Uddin); Boukhris, I (Boukhris, Imed); Faruque, MRI (Faruque, Mohammad Rashed Iqbal); Rehman, FU (Rehman, Fazal Ur); Din, IU (Din, Israfil)

Source: NANOMATERIALS **Volume:** 13 **Issue:** 13 **Article Number:** 1943 **DOI:** 10.3390/nano13131943 **Published:** JUL 2023

Record 938 of 1000

Title: Structural and magnetic conduct in Sm and Al substituted Ba_{0.9}Sm_{0.1}Fe₁₀Al₂O₁₉ M-type hexaferrites at different sintering temperatures

Author(s): Alshammari, BH (Alshammari, Basmah H.); Ghori, UUR (Ghori, Ubaid-ur-Rehman); Ranjha, QA (Ranjha, Qasim Ali); Ahmad, S (Ahmad, Sohail); Abbas, W (Abbas, Waseem); Asif, SU (Asif, Sana Ullah); Ahmed, F (Ahmed, Fahim); Ibrahim, FA (Ibrahim, Fatma A.); Hamdy, MS (Hamdy, Mohamed S.); Eldin, SM (Eldin, Sayed M.)

Source: PHYSICA SCRIPTA **Volume:** 98 **Issue:** 6 **Article Number:** 065905 **DOI:** 10.1088/1402-4896/acce7a **Published:** JUN 1 2023

Record 939 of 1000

Title: Fluorescent Azomethine by the Condensation of Sulfadiazine and 4-Chlorobenzaldehyde in Solution: Synthesis, Characterization, Solvent Interactions, Electronic Structure, and Biological Activity Prediction

Author(s): Elangovan, N (Elangovan, N.); Sowrirajan, S (Sowrirajan, S.); Alzahrani, AYA (Alzahrani, Abdullah Yahya Abdullah); Nair, DRS (Rajendran Nair, Deepthi S.); Thomas, R (Thomas, Renjith)

Source: POLYCYCLIC AROMATIC COMPOUNDS **DOI:** 10.1080/10406638.2023.2216833 **Early Access Date:** MAY 2023

Record 940 of 1000

Title: Molecular Screening of Different p-Linker-Based Organic Dyes for Optoelectronic Applications: Quantum Chemical Study (MAR ,10.1007/s11664-023-10338-5, 2023)

Author(s): Ammasi, A (Ammasi, Arunkumar); Iruthayaraj, R (Iruthayaraj, Ragavan); Munusamy, AP (Munusamy, Anbarasan Ponnusamy); Shkir, M (Shkir, Mohd); Vellingiri, B (Vellingiri, Balasubramani); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung)

Source: JOURNAL OF ELECTRONIC MATERIALS **Volume:** 52 **Issue:** 7 **Pages:** 5035-5035 **DOI:** 10.1007/s11664-023-10439-1 **Early Access Date:** APR 2023 **Published:** JUL 2023

Record 941 of 1000

Title: Computational intelligence modeling of nanomedicine preparation using advanced processing: Solubility of fludrocortisone acetate in supercritical carbon dioxide

Author(s): Hani, U (Hani, Umme); Sinnah, ZAB (Sinnah, Zainab Ali Bu); Obaidullah, AJ (Obaidullah, Ahmad J.); Huwaimel, B (Huwaimel, Bader); Alanazi, M (Alanazi, Muteb); Alharby, TN (Alharby, Tareq Nafea); Lahiq, AA (Lahiq,

Ahmed A.); Alshehri, AA (Alshehri, Abdullah Ali)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 45 **Article Number:** 102968 **DOI:** 10.1016/j.csite.2023.102968 **Early Access Date:** APR 2023 **Published:** MAY 2023

Record 942 of 1000

Title: Carbon foam composites containing carbon nanotubes and graphene oxide as additives for enhanced mechanical, thermal, electrical and catalytic properties

Author(s): Wang, JF (Wang, Jianfeng); Khan, M (Khan, Muhammad); Hussain, A (Hussain, Amjad); Khan, I (Khan, Idrees); Nawaz, A (Nawaz, Ammara); Ragab, AH (Ragab, Ahmed H.); Sayqal, A (Sayqal, Ali); Lei, TF (Lei, Tongfei); Zada, A (Zada, Amir)

Source: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T **Volume:** 24 **Pages:** 608-622 **DOI:** 10.1016/j.jmrt.2023.03.056 **Early Access Date:** MAR 2023 **Published:** MAY-JUN 2023

Record 943 of 1000

Title: Whole-genome sequencing of extensively drug-resistant Salmonella enterica serovar Typhi clinical isolates from the Peshawar region of Pakistan

Author(s): Mumtaz, MN (Mumtaz, Mah Noor); Irfan, M (Irfan, Muhammad); Siraj, S (Siraj, Sami); Khan, A (Khan, Aslam); Khan, H (Khan, Hizbullah); Imran, M (Imran, Muhammad); Khan, IA (Khan, Ishtiaq Ahmad); Khan, A (Khan, Asifullah)

Source: JOURNAL OF INFECTION AND PUBLIC HEALTH **Volume:** 17 **Issue:** 2 **Pages:** 271-282 **DOI:** 10.1016/j.jiph.2023.12.002 **Early Access Date:** DEC 2023 **Published:** FEB 2024

Record 944 of 1000

Title: Effect of *Caesalpinia decapetala* on the Dry Sliding Wear Behavior of Epoxy Composites

Author(s): Biratu, H (Biratu, Hailemariam); Gelaw, M (Gelaw, Mengistu); Shahapurkar, K (Shahapurkar, Kiran); Chenrayan, V (Chenrayan, Venkatesh); Soudagar, MEM (Soudagar, Manzoore Elahi M.); Tirth, V (Tirth, Vineet); Algahtani, A (Algahtani, Ali); Al-Mughanam, T (Al-Mughanam, Tawfiq)

Source: INTERNATIONAL JOURNAL OF POLYMER SCIENCE **Volume:** 2023 **Article Number:** 9379277 **DOI:** 10.1155/2023/9379277 **Published:** OCT 25 2023

Record 945 of 1000

Title: *In silico* computational drug discovery: a Monte Carlo approach for developing a novel JAK3 inhibitors

Author(s): Faris, A (Faris, Abdelmoujoud); Cacciatore, I (Cacciatore, Ivana); Ibrahim, IM (Ibrahim, Ibrahim M.); AL Mughram, MH (AL Mughram, Mohammed H.); Hadni, H (Hadni, Hanine); Tabti, K (Tabti, Kamal); Elhallaoui, M (Elhallaoui, Menana)

Source: JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS **DOI:** 10.1080/07391102.2023.2270709 **Early Access Date:** OCT 2023

Record 946 of 1000

Title: The electronic and optoelectronic properties of Al/hydroxymethyl functionalized Zn(II)Pc/p-Si photonic device

Author(s): Al-Sehemi, AG (Al-Sehemi, Abdullah G. G.); Ocakoglu, K (Ocakoglu, Kasim); Ince, M (Ince, Mine); Karabulut, A (Karabulut, Abdulkarim); Tataroglu, A (Tataroglu, A.); Dere, A (Dere, Aysegul); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Yakuphanoglu, F (Yakuphanoglu, F.)

Source: POLYMER BULLETIN **DOI:** 10.1007/s00289-023-04906-2 **Early Access Date:** JUL 2023

Record 947 of 1000

Title: Wear Behavior of AZ61 Matrix Hybrid Composite Fabricated via Friction Stir Consolidation: A Combined RSM Box-Behnken and Genetic Algorithm Optimization

Author(s): Abebe, SK (Abebe, Samuel Kefyalew); Beri, H (Beri, Habtamu); Sinha, DK (Sinha, Devendra Kumar); Rajhi, AA (Rajhi, Ali A.); Hossain, N (Hossain, Nazia); Duhduh, AA (Duhduh, Alaauldeen A.); Zainuddin, S (Zainuddin, Shaik); Ahmed, GMS (Ahmed, Gulam Mohammed Sayeed)

Source: JOURNAL OF COMPOSITES SCIENCE **Volume:** 7 **Issue:** 7 **Article Number:** 275 **DOI:** 10.3390/jcs7070275 **Published:** JUL 2023

Record 948 of 1000

Title: Exploring the chondroitin sulfate nanogel's potential in combating nephrotoxicity induced by cisplatin and doxorubicin-An in-vivo study on rats

Author(s): Alqahtani, NF (Alqahtani, Norah F.); Alfaifi, MY (Alfaifi, Mohammad Y.); Shati, AA (Shati, Ali A.); Elbehairi, SEI (Elbehairi, Serag Eldin I.); Elshaarawy, RFM (Elshaarawy, Reda F. M.); Serag, WM (Serag, Waleed M.); Hassan, YA (Hassan, Yasser A.); El-Sayed, WN (El-Sayed, W. N.)

Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 258 **Article Number:** 128839 **DOI:** 10.1016/j.ijbiomac.2023.128839 **Early Access Date:** DEC 2023 **Part:** 1 **Published:** FEB 2024

Record 949 of 1000

Title: Evaluation of Bactericidal Potential and Catalytic Dye Degradation of Yttrium/Graphitic Carbon Nitride Doped Nickel Oxide Nanostructures

Author(s): Arshad, S (Arshad, Saba); Imran, M (Imran, Muhammad); Haider, A (Haider, Ali); Shahzadi, A (Shahzadi, Anum); Saeed, H (Saeed, Hafsa); Ul-Hamid, A (Ul-Hamid, Anwar); Al-Anazy, MM (Al-Anazy, Murefah Mana); Yousef, E (Yousef, El Sayed); Ikram, M (Ikram, Muhammad)

Source: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **DOI:** 10.1007/s10904-023-02944-x **Early Access Date:** DEC 2023

Record 950 of 1000

Title: Nanomedicine-Based Drug-Targeting in Breast Cancer: Pharmacokinetics, Clinical Progress, and Challenges

Author(s): Rahman, M (Rahman, Mahfoozur); Afzal, O (Afzal, Obaid); Ullah, SNMN (Ullah, Shehla Nasar Mir Najib); Alshahrani, MY (Alshahrani, Mohammad Y.); Alkhathami, AG (Alkhathami, Ali G.); Altamimi, ASA (Altamimi, Abdulmalik Saleh Alfawaz); Almujri, SS (Almujri, Salem Salman); Almalki, WH (Almalki, Waleed H.); Shorog, EM (Shorog, Eman M.); Alossaimi, MA (Alossaimi, Manal A.); Mandal, AK (Mandal, Ashok Kumar); Abdulrahman, A (Abdulrahman, Alhamyani); Sahoo, A (Sahoo, Ankit)

Source: ACS OMEGA **Volume:** 8 **Issue:** 51 **Pages:** 48625-48649 **DOI:** 10.1021/acsomega.3c07345 **Published:** DEC 13 2023

Record 951 of 1000

Title: Making decisions based on multiple criteria in developing a league season teaching strategy for understanding playing functionalities

Author(s): Shankar, HUA (Shankar, Harshitha Urs Aijipura); Nanjappa, UKK (Nanjappa, Udaya Kumara Kodipalya); Singh, S (Singh, Sanjeet); Waqas, M (Waqas, M.); Elamin, KMA (Elamin, Khalda Mohamed Ahmed); Abdullaev, SS (Abdullaev, Sherzod Shukhratovich); Govindan, V (Govindan, V.)

Source: MODERN PHYSICS LETTERS B **DOI:** 10.1142/S0217984923410129 **Early Access Date:** SEP 2023

Record 952 of 1000

Title: Enhancing energy efficiency and sustainability in ejector expansion transcritical CO₂ and lithium bromide water vapour absorption refrigeration systems

Author(s): Mohtaram, S (Mohtaram, Soheil); Weidong, W (Weidong, Wu); Castellanos, HG (Castellanos, Humberto Garcia); Aryanfar, Y (Aryanfar, Yashar); Al Mesfer, MK (Al Mesfer, Mohammed K.); Danish, M (Danish, Mohd); Irshad, K (Irshad, Kashif)

Source: THERMAL SCIENCE AND ENGINEERING PROGRESS **Volume:** 43 **Article Number:** 101983 **DOI:** 10.1016/j.tsep.2023.101983 **Early Access Date:** JUL 2023 **Published:** AUG 1 2023

Record 953 of 1000

Title: Photocatalytic degradation of crystal violet and benzimidazole using Ag-CoFe₂O₄ and its composite with graphitic carbon nitride

Author(s): Irshad, A (Irshad, Amna); Arshed, MH (Arshed, Muhammad Hassaan); Somaily, HH (Somaily, H. H.); Sabeeh, H (Sabeeh, Humera); Noor-ul-Ain (Noor-ul-Ain, Imtisal); Ayman, I (Ayman, Imtisal); Warsi, MF (Warsi, Muhammad Farooq); Shakir, I (Shakir, Imran)

Source: MACROMOLECULAR RESEARCH **Volume:** 31 **Issue:** 2 **Pages:** 91-104 **DOI:** 10.1007/s13233-023-00111-2 **Early Access Date:** FEB 2023 **Published:** FEB 2023

Record 954 of 1000

Title: Sustainable Heat Transfer Management: Modeling of Entropy Generation Minimization and Nusselt Number Development in Internal Flows with Various Shapes of Cross-Sections Using Water and Al₂O₃/Water Nanofluid

Author(s): Jery, AE (Jery, Atef El); Satishkumar, P (Satishkumar, P.); Maktoof, MAJ (Maktoof, Mohammed Abdul Jaleel); Suplata, M (Suplata, Marian); Dudic, B (Dudic, Branislav); Spalevic, V (Spalevic, Velibor)

Source: WATER **Volume:** 15 **Issue:** 1 **Article Number:** 89 **DOI:** 10.3390/w15010089 **Published:** JAN 2023

Record 955 of 1000

Title: Bromination of organic spacer impacts on the structural arrangement, phase transitions, and optical and electrical properties of a hybrid halide compound: $[(CH_3)_3N(CH_2)_3Br]_2PdBr_4$

Author(s): Saadi, M (Saadi, Mohamed); Dakhlaoui, I (Dakhlaoui, Imen); Hajlaoui, F (Hajlaoui, Fadhel); Drissi, N (Drissi, Nidhal); Zighrioui, M (Zighrioui, Mustapha); Jomni, F (Jomni, Fethi); Audebrand, N (Audebrand, Nathalie); Cordier, M (Cordier, Marie); Karim, K (Karim, Karoui)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 48 **Issue:** 1 **Pages:** 182-192 **DOI:** 10.1039/d3nj04819e **Early Access Date:** NOV 2023 **Published:** DEC 18 2023

Record 956 of 1000

Title: Performance Improvement of Hybrid-Perovskite Solar Cells with Double Active Layer Design Using Extensive Simulation

Author(s): Bhattarai, S (Bhattarai, Sagar); Madan, J (Madan, Jaya); Pandey, R (Pandey, Rahul); Samajdar, DP (Samajdar, Dip Prakash); Muchahary, D (Muchahary, Deboraj); Amami, M (Amami, Mongi); Ezzine, S (Ezzine, Safa); Hossain, MK (Hossain, M. Khalid)

Source: ENERGY & FUELS **Volume:** 37 **Issue:** 21 **Pages:** 16893-16903 **DOI:** 10.1021/acs.energyfuels.3c02478 **Published:** OCT 19 2023

Record 957 of 1000

Title: Enhanced Industrial Dye Degradation and Antibacterial Activity Supported by the Molecular Docking Study of Yttrium and Carbon Sphere-Doped Lanthanum Oxide Nanostructures

Author(s): Ayub, A (Ayub, Atiya); Ikram, M (Ikram, Muhammad); Haider, A (Haider, Ali); Shahzadi, I (Shahzadi, Iram); Ul-Hamid, A (Ul-Hamid, Anwar); Shahzadi, A (Shahzadi, Anum); Algaradah, MM (Algaradah, Mohammed M.); Fouda, AM (Fouda, Ahmed M.); Nabgan, W (Nabgan, Walid); Imran, M (Imran, Muhammad)

Source: ACS OMEGA **Volume:** 8 **Issue:** 40 **Pages:** 37564-37572 **DOI:** 10.1021/acsomega.3c05938 **Early Access Date:** SEP 2023 **Published:** SEP 27 2023

Record 958 of 1000

Title: Exploring the potential of l-glutamic acid hydrochloride: growth, characterization, and applications in organic nonlinear optical single crystals for optoelectronic and photonic devices

Author(s): Parthasarathy, M (Parthasarathy, M.); Naidu, SM (Naidu, S. Mani); Babu, PC (Babu, P. Chinna); Shannkari, BG (Shannkari, B. Gowri); Krishnakumar, M (Krishnakumar, Muthusamy); Reddy, VRM (Reddy, Vasudeva Reddy Minnam); Kim, WK (Kim, Woo Kyoung); Mohd, S (Mohd, Shkir); Ashraf, IM (Ashraf, I. M.)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 34 **Issue:** 19 **Article Number:** 1457 **DOI:** 10.1007/s10854-023-10824-w **Published:** JUL 2023

Record 959 of 1000

Title: Water coordinated Co-MOFs with 1D/2D network structure and highly enhanced electrocatalytic OER activity

Author(s): Muthukumar, P (Muthukumar, Pandi); Arunkumar, G (Arunkumar, Gunasekaran); Pannipara, M (Pannipara, Mehboobali); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Moon, D (Moon, Dohyun); Anthony, SP (Anthony, Savarimuthu Philip)

Source: CRYSTENGCOMM **Volume:** 25 **Issue:** 28 **Pages:** 4058-4063 **DOI:** 10.1039/d3ce00393k **Early Access Date:** JUN 2023 **Published:** JUL 17 2023

Record 960 of 1000

Title: Study of oxygen reduction reaction on binuclear-phthalocyanine with Fe-Fe, Co-Co, and Fe-Co dual-atom-active sites using density functional theory

Author(s): Kumar, A (Kumar, Anuj); Das, DK (Das, Dipak Kumar); Sharma, RK (Sharma, Raj Kishore); Selvaraj, M (Selvaraj, Manickam); Assiri, MA (Assiri, Mohammed A.); Ajmal, S (Ajmal, Saira); Zhang, GX (Zhang, Guoxin); Gupta, RK (Gupta, Ram K.); Yasin, G (Yasin, Ghulam)

Source: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY **Volume:** 123 **Pages:** 404-411 **DOI:** 10.1016/j.jiec.2023.03.057 **Early Access Date:** MAY 2023 **Published:** JUL 25 2023

Record 961 of 1000

Title: Synthesis, molecular docking, bio-evaluation and quantitative structure activity relationship of new chalcone derivatives as antioxidants

Author(s): Siddiqa, A (Siddiqa, Aysha); Tajammal, A (Tajammal, Affifa); Irfan, A (Irfan, Ahmad); Azam, M (Azam, Muhammad); Munawar, MA (Munawar, Munawar Ali); Hardy, RS (Hardy, Rowan Samuel); Basra, MAR (Basra, Muhammad Asim Raza)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1277 **Article Number:** 134814 **DOI:** 10.1016/j.molstruc.2022.134814 **Early Access Date:** JAN 2023 **Published:** APR 5 2023

Record 962 of 1000

Title: Bioactive principles, antibacterial and anticancer properties of *Artemisia arborescens* L.

Author(s): Sultana, S (Sultana, Shahnaz); Makeen, HA (Makeen, Hafiz A.); Alhazmi, HA (Alhazmi, Hassan A.); Mohan, S (Mohan, Syam); AL Bratty, M (AL Bratty, Mohammed); Najmi, A (Najmi, Asim); Homeida, HE (Homeida, Husham E.); Khuwaja, G (Khuwaja, Gulrana); Ullah, SNMN (Ullah, Shehla N. M. N.); Zafar, A (Zafar, Aameeduzzafar); Moni, SS (Moni, Sivakumar S.)

Source: NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA **Volume:** 51 **Issue:** 1 **Article Number:** 13008 **DOI:** 10.15835/nbha51113008 **Published:** 2023

Record 963 of 1000

Title: Radiation attenuation of boro-tellurite glasses for efficient shielding applications

Author(s): Tamam, N (Tamam, Nissren); Al Huwayz, M (Al Huwayz, Maryam); Alrowaili, ZA (Alrowaili, Z. A.); Alwadai, N (Alwadai, Norah); Katubi, KM (Katubi, Khadijah Mohammedsaleh); Alqahtani, MS (Alqahtani, Mohammed S.); Olarinoye, IO (Olarinoye, I. O.); Al-Buriah, MS (Al-Buriah, M. S.)

Source: APPLIED RADIATION AND ISOTOPES **Volume:** 203 **Article Number:** 111080 **DOI:** 10.1016/j.apradiso.2023.111080 **Early Access Date:** NOV 2023 **Published:** JAN 2024

Record 964 of 1000

Title: Numerical study of thermal enhancement in ZnO-SAE50 nanolubricant over a spherical magnetized surface influenced by Newtonian heating and thermal radiation

Author(s): Adnan (Adnan, Mashael M.); AlBaidani, MM (AlBaidani, Mashael M.); Mishra, NK (Mishra, Nidhish Kumar); Ahmad, Z (Ahmad, Zubair); Eldin, SM (Eldin, Sayed M.); Ul Haq, E (Ul Haq, Ehtasham)

Source: CASE STUDIES IN THERMAL ENGINEERING **Volume:** 45 **Article Number:** 102917 **DOI:** 10.1016/j.csite.2023.102917 **Early Access Date:** MAR 2023 **Published:** MAY 2023

Record 965 of 1000

Title: The Combined Anti-Tumor Efficacy of Bioactive Hydroxyapatite Nanoparticles Loaded with Altretamine

Author(s): Alghazwani, Y (Alghazwani, Yahia); Venkatesan, K (Venkatesan, Krishnaraju); Prabahar, K (Prabahar, Kousalya); El-Sherbiny, M (El-Sherbiny, Mohamed); Elsherbiny, N (Elsherbiny, Nehal); Qushawy, M (Qushawy, Mona)

Source: PHARMACEUTICS **Volume:** 15 **Issue:** 1 **Article Number:** 302 **DOI:** 10.3390/pharmaceutics15010302 **Published:** JAN 2023

Record 966 of 1000

Title: Simple-structured nicotinonitrile based material for sky-blue organic light-emitting diodes

Author(s): Islam, A (Islam, Amjad); Shah, SHU (Shah, Syed Hamad Ullah); Khan, RAS (Khan, Raja Azhar Saeed); Amin, A (Amin, Al); Haider, Z (Haider, Zeeshan); Sheikh, TA (Sheikh, Tahir Ali); Irfan, A (Irfan, Ali); Imran, M (Imran, Muhammad); Li, MD (Li, Ming-De)

Source: JOURNAL OF LUMINESCENCE **Volume:** 263 **Article Number:** 120090 **DOI:** 10.1016/j.jlumin.2023.120090 **Early Access Date:** JUL 2023 **Published:** NOV 2023

Record 967 of 1000

Title: Honeysuckle extract as an environment-friendly corrosion inhibitor for copper in sulfuric acid medium

Author(s): Sun, YH (Sun, Yuanhan); Zhang, YC (Zhang, Yingchao); Xu, C (Xu, Cheng); Tan, BC (Tan, Bochuan); Li, WP (Li, Wenpo); Zheng, XW (Zheng, Xingwen); Brahmia, A (Brahmia, Ameni)

Source: INDUSTRIAL CROPS AND PRODUCTS **Volume:** 197 **Article Number:** 116551 **DOI:** 10.1016/j.indcrop.2023.116551 **Early Access Date:** MAR 2023 **Published:** JUL 2023

Record 968 of 1000

Title: Photocatalytic activity of sol-gel self-combustion derived MCr₂O₄ (M= Mg, Ni) spinel chromites for photodegradation of organic dyes

Author(s): Javed, M (Javed, Muhammad); Akbar, N (Akbar, Naeem); Khan, AA (Khan, Ayaz Arif); Alsubhe, E (Alsubhe, Emaan); Alghamdi, SM (Alghamdi, Shoug Mohammad); Karamti, H (Karamti, Hanen); Albeydani, OA (Albeydani, Ohood Abdullah); ben Ahmed, S (ben Ahmed, Samia); Kazmi, J (Kazmi, Jamal); Khisro, SN (Khisro, Said Nasir); Mohamed, MA (Mohamed, Mohd Ambri)

Source: MATERIALS TODAY COMMUNICATIONS **Volume:** 35 **Article Number:** 105716 **DOI:** 10.1016/j.mtcomm.2023.105716 **Early Access Date:** MAR 2023 **Published:** JUN 2023

Record 969 of 1000

Title: Green Synthesis of Fe-Cu Bimetallic Supported on Alginate-Limestone Nanocomposite for the Removal of Drugs from Contaminated Water

Author(s): Ahmed, IA (Ahmed, Inas A. A.); Hussein, HS (Hussein, Hala. S.); ALOthman, ZA (ALothman, Zeid A. A.); ALanazi, AG (ALanazi, Abdullah G. G.); Alsaiani, NS (Alsaiani, Norah Salem); Khalid, A (Khalid, Awais)

Source: POLYMERS **Volume:** 15 **Issue:** 5 **Article Number:** 1221 **DOI:** 10.3390/polym15051221 **Published:** MAR 2023

Record 970 of 1000

Title: Synthesis of Floral-Shaped Nanosilica from Coal Fly Ash and Its Application for the Remediation of Heavy Metals from Fly Ash Aqueous Solutions

Author(s): Yadav, VK (Yadav, Virendra Kumar); Amari, A (Amari, Abdelfattah); Wanale, SG (Wanale, Shivraj Gangadhar); Osman, H (Osman, Haitham); Fulekar, MH (Fulekar, M. H.)

Source: SUSTAINABILITY **Volume:** 15 **Issue:** 3 **Article Number:** 2612 **DOI:** 10.3390/su15032612 **Published:** FEB 2023

Record 971 of 1000

Title: Remediation of Methyl Red Dye from Aqueous Solutions by Using Biosorbents Developed from Floral Waste

Author(s): Amari, A (Amari, Abdelfattah); Yadav, VK (Yadav, Virendra Kumar); Pathan, SK (Pathan, Sabir Khan); Singh, B (Singh, Bijendra); Osman, H (Osman, Haitham); Choudhary, N (Choudhary, Nisha); Khedher, KM (Khedher, Khaled Mohamed); Basnet, A (Basnet, Anup)

Source: ADSORPTION SCIENCE & TECHNOLOGY **Volume:** 2023 **Article Number:** 1532660 **DOI:** 10.1155/2023/1532660 **Published:** JAN 24 2023

Record 972 of 1000

Title: Chemical composition, seasonal variation and antiaging activities of essential oil from *Callistemon subulatus* leaves growing in Egypt

Author(s): Rabie, O (Rabie, Omya); El-Nashar, HAS (El-Nashar, Heba A. S.); Majrashi, TA (Majrashi, Taghreed A. A.); Al-Warhi, T (Al-Warhi, Tarfah); El Hassab, MA (El Hassab, Mahmoud A. A.); Eldehna, WM (Eldehna, Wagdy M. M.); Mostafa, NM (Mostafa, Nada M. M.)

Source: JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY **Volume:** 38 **Issue:** 1 **Article Number:** 2224944 **DOI:** 10.1080/14756366.2023.2224944 **Published:** DEC 31 2023

Record 973 of 1000

Title: Boosting electrocatalytic nitrite reduction to ammonia in neutral media by MoSe₂ nanosheet with Se vacancies

Author(s): Hu, L (Hu, Long); He, X (He, Xun); Yao, J (Yao, Jie); Li, XH (Li, Xiuhong); Chen, J (Chen, Jie); Li, J (Li, Jun); Fan, XY (Fan, Xiaoya); Xie, LS (Xie, Lisi); Cai, ZW (Cai, Zhengwei); Sun, SJ (Sun, Shengjun); Zheng, DD (Zheng, Dongdong); Ying, BW (Ying, Binwu); Wang, Y (Wang, Yan); Luo, YL (Luo, Yonglan); Liu, Q (Liu, Qian); Farouk, A (Farouk, Asmaa); Hamdy, MS (Hamdy, Mohamed S.); Alfaihi, S (Alfaihi, Sulaiman); Liao, YW (Liao, Yunwen); Kong, QQ (Kong, Qingquan); Sun, XP (Sun, Xuping)

Source: MATERIALS TODAY PHYSICS **Volume:** 36 **Article Number:** 101170 **DOI:** 10.1016/j.mtphys.2023.101170 **Early Access Date:** JUL 2023 **Published:** AUG 2023

Record 974 of 1000

Title: Synthesis, antioxidant, and antimicrobial evaluation of novel 2,3-dihydro-1H-pyrazole-4-carbonitrile derivatives using K₂CO₃/glycerol as a green deep eutectic solvent

Author(s): Zwain, AA (Zwain, Ali A. A.); Ahmad, I (Ahmad, Irfan); Ali, RKJ (Ali, Rasha Khalaf Jebur); Kahtan, M (Kahtan, Mustafa); Hamad, AK (Khdyair Hamad, Atheer); Hassan, EA (Hassan, Enas Abdulgader); Asiri, M (Asiri, Mohammed); Ridha, BM (Ridha, Benien M. M.); Alsalamy, A (Alsalamy, Ali)

Source: FRONTIERS IN MATERIALS **Volume:** 10 **Article Number:** 1196583 **DOI:** 10.3389/fmats.2023.1196583 **Published:** JUL 6 2023

Record 975 of 1000

Title: Pd-Doped Co₃O₄ Nanoarray for Efficient Eight-Electron Nitrate Electrocatalytic Reduction to Ammonia Synthesis

Author(s): Fan, XY (Fan, Xiaoya); Liu, CZ (Liu, Chaozhen); Li, ZX (Li, Zixiao); Cai, ZW (Cai, Zhengwei); Ouyang, L (Ouyang, Ling); Li, ZR (Li, Zerong); He, X (He, Xun); Luo, YS (Luo, Yongsong); Zheng, DD (Zheng, Dongdong); Sun, SJ (Sun, Shengjun); Wang, Y (Wang, Yan); Ying, BW (Ying, Binwu); Liu, Q (Liu, Qian); Farouk, A (Farouk, Asmaa); Hamdy, MS (Hamdy, Mohamed S. S.); Gong, F (Gong, Feng); Sun, XP (Sun, Xuping); Zheng, YY (Zheng, Yinyuan)

Source: SMALL **Volume:** 19 **Issue:** 42 **DOI:** 10.1002/sml.202303424 **Early Access Date:** JUN 2023 **Published:** OCT 2023

Record 976 of 1000

Title: Examination of the ionizing radiation shielding behavior of the zinc boro-tellurite glasses doped with dysprosium oxide

Author(s): Bassam, SA (Bassam, S. A.); Naseer, KA (Naseer, K. A.); Mahmoud, KA (Mahmoud, K. A.); Sangeeth, CSS (Sangeeth, C. S. Suchand); Sayyed, MI (Sayyed, M. I.); Alqahtani, MS (Alqahtani, Mohammed S.); El Shiekh, E (El Shiekh, E.)

Source: RADIATION PHYSICS AND CHEMISTRY **Volume:** 215 **Article Number:** 111359 **DOI:** 10.1016/j.radphyschem.2023.111359 **Early Access Date:** OCT 2023 **Published:** FEB 2024

Record 977 of 1000

Title: First-principles calculations to investigate structural, elastic, electronic, optical and thermal properties of La-based ternary intermetallic superconductors LaM₂Si₂ (M1/4Co, Cu, Rh, Pd, Ag, Ir, Pt, Au)

Author(s): Rahman, MA (Rahman, Md. Atikur); Khatun, R (Khatun, Rukaia); Ferdous, R (Ferdous, Rejuana); Roy, DC (Roy, Dayal Chandra); Hasan, MZ (Hasan, Md. Zahid); Irfan, A (Irfan, Ahmad); Sarker, MAR (Sarker, Md. Abdur Razzaque); Hossain, MM (Hossain, Md. Mukter); Hossain, A (Hossain, Aslam); Mouna, SC (Mouna, Sarah Chaba); Sarker, S (Sarker, Sushmita)

Source: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T **Volume:** 26 **Pages:** 3840-3862 **DOI:** 10.1016/j.jmrt.2023.08.177 **Early Access Date:** AUG 2023 **Published:** SEP-OCT 2023

Record 978 of 1000

Title: Radiation shielding and nuclear security functions of Na₂O-Fe₂O₃-B₂O₃-La₂O₃ glass system

Author(s): Alzahrani, JS (Alzahrani, Jamila S.); Alrowaili, ZA (Alrowaili, Z. A.); Olarinoye, IO (Olarinoye, I. O.); Alqahtani, MS (Alqahtani, Mohammed S.); Al-Buriahi, MS (Al-Buriahi, M. S.)

Source: RADIATION PHYSICS AND CHEMISTRY **Volume:** 212 **Article Number:** 111088 **DOI:** 10.1016/j.radphyschem.2023.111088 **Early Access Date:** JUN 2023 **Published:** NOV 2023

Record 979 of 1000

Title: Identification of Potential Inhibitors for the Treatment of Alkaptonuria Using an Integrated In Silico Computational Strategy

Author(s): Zaib, S (Zaib, Sumera); Rana, N (Rana, Nehal); Hussain, N (Hussain, Nadia); Ogaly, HA (Ogaly, Hanan A.); Dera, AA (Dera, Ayed A.); Khan, I (Khan, Imtiaz)

Source: MOLECULES **Volume:** 28 **Issue:** 6 **Article Number:** 2623 **DOI:** 10.3390/molecules28062623 **Published:** MAR 2023

Record 980 of 1000

Title: A microwave-assisted decoration of carbon nanotubes with Fe₃O₄ nanoparticles for efficient electrocatalytic oxygen reduction reaction

Author(s): Ajmal, S (Ajmal, Saira); Kumar, A (Kumar, Anuj); Yasin, G (Yasin, Ghulam); Alam, MM (Alam, Mohammed Mujahid); Selvaraj, M (Selvaraj, Manickam); Tabish, M (Tabish, Mohammad); Mushtaq, MA (Mushtaq, Muhammad Asim); Gupta, RK (Gupta, Ram K.); Zhao, W (Zhao, Wei)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 943 **Article Number:** 169067 **DOI:** 10.1016/j.jallcom.2023.169067 **Early Access Date:** FEB 2023 **Published:** MAY 15 2023

Record 981 of 1000

Title: Heat transfer analysis in magnetohydrodynamic nanofluid flow induced by a rotating rough disk with non-Fourier heat flux: aspects of modified Maxwell-Bruggeman and Krieger-Dougherty models

Author(s): Srilatha, P (Srilatha, Pudhari); Madhu, J (Madhu, J.); Khan, U (Khan, Umair); Kumar, RN (Kumar, R. Naveen); Gowda, RJP (Gowda, R. J. Punith); Ben Ahmed, S (Ben Ahmed, Samia); Kumar, R (Kumar, Raman)

Source: NANOSCALE ADVANCES **Volume:** 5 **Issue:** 21 **Pages:** 5941-5951 **DOI:** 10.1039/d3na00711a **Early Access Date:** OCT 2023 **Published:** OCT 24 2023

Record 982 of 1000

Title: Discovery of pyran annulated heterocyclic scaffolds linked to carboxamide fragments: Anticancer evaluation, topoisomerase I/II, tyrosine kinase receptor inhibition and molecular docking studies

Author(s): Fouda, AM (Fouda, Ahmed M.); El-Eisawy, RA (El-Eisawy, R. A.); El-Nassag, MAA (El-Nassag, Mohammed A. A.); Mohamed, HM (Mohamed, Hany M.); Fekry, AHF (Fekry, Ashraf H. F.); El-Mawgoud, HKA (El-Mawgoud, Heba K. A.); Shati, AA (Shati, Ali A.); Alfaifi, MY (Alfaifi, Mohammad Y.); Elbehairi, SEI (Elbehairi, Serag Eldin I.); Elhenawy, AA (Elhenawy, Ahmed A.); Mora, A (Mora, Ahmed); El-Agrody, AM (El-Agrody, Ahmed M.)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1295 **Article Number:** 136518 **DOI:** 10.1016/j.molstruc.2023.136518 **Early Access Date:** SEP 2023 **Part:** 1 **Published:** JAN 5 2024

Record 983 of 1000

Title: Facile synthesis of the SnTe/SnSe binary nanocomposite via a hydrothermal route for flexible solid-state supercapacitors

Author(s): Abdullah, M (Abdullah, Muhammad); John, P (John, Peter); Fawy, KF (Fawy, Khaled Fahmi); Manzoor, S (Manzoor, Sumaira); Butt, KY (Butt, Kashif Younas); Abid, AG (Abid, Abdul Ghafoor); Messali, M (Messali, Mouslim); Najam-Ul-Haq, M (Najam-Ul-Haq, Muhammad); Ashiq, MN (Ashiq, Muhammad Naeem)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 18 **Pages:** 12009-12022 **DOI:** 10.1039/d3ra01028g **Published:** APR 17 2023

Record 984 of 1000

Title: Monodispersed NiO Nanoparticles into SBA-15: An Efficient Nanocatalyst to Produce Ketone-Alcohol (KA) Oil by the Oxidation of Cyclohexane in Mild Conditions

Author(s): Abboud, M (Abboud, Mohamed); Alnefaie, RS (Alnefaie, Reem S. S.); AL-Zahrani, AA (AL-Zahrani, Asla A. A.); Al-Zaqri, N (Al-Zaqri, Nabil); Abu Haija, M (Abu Haija, Mohammad); Al-Ghamdi, A (Al-Ghamdi, Azza); Alsaiani, M (Alsaiani, Mabkhoot); Jalalah, M (Jalalah, Mohammed); Albormani, O (Albormani, Omeer); Hamdy, MS (Hamdy, Mohamed S. S.)

Source: SUSTAINABILITY **Volume:** 15 **Issue:** 7 **Article Number:** 5817 **DOI:** 10.3390/su15075817 **Published:** APR 2023

Record 985 of 1000

Title: Indexical and statistical approaches to investigate the integrated origins of elements in the sediment of Teesta River, Bangladesh: sediment quality and ecological risk assessment

Author(s): Khan, R (Khan, Rahat); Hossain, S (Hossain, Shabiha); Anik, AH (Anik, Amit Hasan); Phoungthong, K (Phoungthong, Khampho); Islam, AMT (Islam, Abu Reza Md. Towfiqul); Saha, N (Saha, Narottam); Idris, AM (Idris, Abubakr M.); Alam, M (Alam, Mahbub)

Source: ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS **Volume:** 25 **Issue:** 4 **Pages:** 832-849 **DOI:** 10.1039/d2em00475e **Early Access Date:** FEB 2023 **Published:** APR 26 2023

Record 986 of 1000

Title: The chemical reactivity and antimalarial investigation of crystal structure (2E)-3-(biphenyl-4-yl)-1-(4-chlorophenyl)prop-2-en-1-one and hydroxyphenyl, nitrophenyl substituted chalcone derivative molecules

Author(s): Thamarai, A (Thamarai, A.); Raja, M (Raja, M.); Sakthivel, S (Sakthivel, S.); Kumaran, S (Kumaran, S.); Muthu, S (Muthu, S.); Narayana, B (Narayana, B.); Ramesh, P (Ramesh, P.); Sevvanthi, S (Sevvanthi, S.); Javed, S (Javed, Saleem); Naick, BN (Naick, B. Nagaraja); Irfan, A (Irfan, Ahmad)

Source: JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1280 **Article Number:** 135001 **DOI:** 10.1016/j.molstruc.2023.135001 **Early Access Date:** FEB 2023 **Published:** MAY 15 2023

Record 987 of 1000

Title: Mechanical and radiation shielding features of lithium titanophosphate glasses doped BaO

Author(s): Shaaban, KS (Shaaban, Kh S.); Al-Baradi, AM (Al-Baradi, Ateyyah M.); Alotaibi, BM (Alotaibi, B. M.); Abd El-Rehim, AF (Abd El-Rehim, A. F.)

Record 988 of 1000

Title: Quercetin Antagonizes the Sedative Effects of Linalool, Possibly through the GABAergic Interaction Pathway

Author(s): Bappi, MH (Bappi, Mehedi Hasan); Prottay, AA (Prottay, Abdullah Al Shams); Kamli, H (Kamli, Hossam); Sonia, FA (Sonia, Fatema Akter); Mia, MN (Mia, Md. Nayem); Akbor, MS (Akbor, Md. Showkoth); Hossen, MM (Hossen, Md. Munnaf); Awadallah, S (Awadallah, Samir); Mubarak, MS (Mubarak, Mohammad S. S.); Islam, MT (Islam, Muhammad Torequl)

Source: MOLECULES **Volume:** 28 **Issue:** 14 **Article Number:** 5616 **DOI:** 10.3390/molecules28145616 **Published:** JUL 2023

Record 989 of 1000

Title: Investigation of transition metal chelates with a ligand (3-cyano-6-thiophen-2-yl[4,4']bipyridinyl-2-yloxy)-acetic acid hydrazide as corrosion inhibitors for copper in 1.0 M HCl solution

Author(s): Fawzy, A (Fawzy, Ahmed); Takroni, KM (Takroni, Khadiga M.); Alqarni, N (Alqarni, Nada); Al Bahir, A (Al Bahir, Areej); Al Shareef, HF (Al Shareef, Hossa F.); El-Ghamry, HA (El-Ghamry, Hoda A.)

Source: INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE **Volume:** 18 **Issue:** 7 **Article Number:** 100189 **DOI:** 10.1016/j.ijoes.2023.100189 **Early Access Date:** MAY 2023 **Published:** JUL 2023

Record 990 of 1000

Title: Convergent synthesis, kinetics insight and allosteric computational ascriptions of thiazole-(5-aryl)oxadiazole hybrids embraced with propanamides as alkaline phosphatase inhibitors

Author(s): Butt, ARS (Butt, Abdul Rehman Sadiq); Abbasi, MA (Abbasi, Muhammad Athar); Aziz-ur-Rehman (Aziz-ur-Rehman); Siddiqui, SZ (Siddiqui, Sabahat Zahra); Muhammad, S (Muhammad, Shabbir); Raza, H (Raza, Hussain); Shah, SAA (Shah, Syed Adnan Ali); Shahid, M (Shahid, Muhammad); Alsehem, AG (Alsehem, Abdullah G.); Kim, SJ (Kim, Song Ja)

Source: RSC ADVANCES **Volume:** 13 **Issue:** 20 **Pages:** 13798-13808 **DOI:** 10.1039/d3ra01348k **Published:** MAY 2 2023

Record 991 of 1000

Title: On analysis of optical and impedance spectroscopy properties of nickel tetraphenyl porphyrin nanostructure/ITO Schottky diodes

Author(s): Nawar, AM (Nawar, Ahmed M.); Alderhami, SA (Alderhami, Suliman A.); Alzharani, AA (Alzharani, Ahmed A.); Yahia, IS (Yahia, I. S.); Gassim, O (Gassim, Omer); Zyoud, SH (Zyoud, Samer H.)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 660 **Article Number:** 414900 **DOI:** 10.1016/j.physb.2023.414900 **Early Access Date:** APR 2023 **Published:** JUL 1 2023

Record 992 of 1000

Title: Characterization of graphene oxide-ziziphus seeds and its application as a hazardous dye removal adsorbent

Author(s): Al-Shehri, BM (Al-Shehri, Badria M.); Al-Zahrani, FAM (Al-Zahrani, Fatimah A. M.); El-Shishtawy, RM (El-Shishtawy, Reda M.); Awwad, NS (Awwad, Nasser S.); Sayed, MA (Sayed, M. A.); Khan, KA (Khan, Khalid Ali)

Source: SCIENTIFIC REPORTS **Volume:** 13 **Issue:** 1 **Article Number:** 1631 **DOI:** 10.1038/s41598-023-28924-2 **Published:** JAN 30 2023

Record 993 of 1000

Title: The outstanding electrochemical performance of porous hexagonal boron nitride as a K-ion battery anode

Author(s): Tapia, NEF (Tapia, Nelly Esther Flores); Valverde, V (Valverde, Vanessa); Moreano, G (Moreano, Gabriel); Chandra, S (Chandra, Subhash); Buenaño, L (Buenano, Luis); Saber, AI (Saber, Ahmad Ismael); Bahair, H (Bahair, Hala); Singh, P (Singh, Parminder); Elmasry, Y (Elmasry, Yasser)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 159 **Article Number:** 111816 **DOI:** 10.1016/j.inoche.2023.111816 **Early Access Date:** DEC 2023 **Published:** JAN 2024

Record 994 of 1000

Title: Design and investigation of Sono-chemical synthesis of pure and Sn doped CoFe₂O₄ nanoparticles and their structural and magnetic properties

Author(s): Balasubramani, V (Balasubramani, V.); Mowlika, V (Mowlika, V.); Sivakumar, A (Sivakumar, A.); Al Sdran, N (Al Sdran, Njod); Maiz, F (Maiz, F.); Shkir, M (Shkir, Mohd)

Source: INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 155 **Article Number:** 111015 **DOI:** 10.1016/j.inoche.2023.111015 **Early Access Date:** JUL 2023 **Published:** SEP 2023

Record 995 of 1000

Title: Phytochemical profiling and mechanistic evaluation of black garlic extract on multiple sclerosis rat model

Author(s): Elkhawas, YA (Elkhawas, Yasmin A.); Seleem, M (Seleem, Mae); Shabayek, MI (Shabayek, Marwa I.); Majrashi, TA (Majrashi, Taghreed A.); Al-Warhi, T (Al-Warhi, Tarfah); Eldehna, WM (Eldehna, Wagdy M.); Mostafa, NM (Mostafa, Nada M.)

Source: JOURNAL OF FUNCTIONAL FOODS **Volume:** 111 **Article Number:** 105900 **DOI:** 10.1016/j.jff.2023.105900 **Early Access Date:** NOV 2023 **Published:** DEC 2023

Record 996 of 1000

Title: Anticancer Studies of Newly Synthesized Thiazole Derivatives: Synthesis, Characterization, Biological Activity, and Molecular Docking

Author(s): Al-Salmi, FA (Al-Salmi, Fawziah A.); Alrohaimi, AH (Alrohaimi, Abdulmohsen H.); El Behery, M (El Behery, Mohammed); Megahed, W (Megahed, Walaa); Abu Ali, OA (Abu Ali, Ola A.); Elsaid, FG (Elsaid, Fahmy G.); Fayad, E (Fayad, Eman); Mohammed, FZ (Mohammed, Faten Z.); Keshta, AT (Keshta, Akaber T.)

Source: CRYSTALS **Volume:** 13 **Issue:** 11 **Article Number:** 1546 **DOI:** 10.3390/cryst13111546 **Published:** NOV 2023

Record 997 of 1000

Title: Performance enhancement using an embedded nano-pyramid in a perovskite solar cell with TaTm as a hole transport layer

Author(s): Bhattarai, S (Bhattarai, Sagar); Hossain, MK (Hossain, M. Khalid); Ben Farhat, L (Ben Farhat, Lamia); Marzouki, R (Marzouki, Riadh); Hossain, I (Hossain, Ismail); Ansari, MZ (Ansari, Mohd Zahid); Madan, J (Madan, Jaya); Pandey, R (Pandey, Rahul)

Source: NEW JOURNAL OF CHEMISTRY **Volume:** 47 **Issue:** 39 **Pages:** 18332-18340 **DOI:** 10.1039/d3nj03665k **Early Access Date:** SEP 2023 **Published:** OCT 9 2023

Record 998 of 1000

Title: Nebulizer-assisted spray pyrolysis development of rare earth (Pr³⁺) doped In₂S₃ thin films for an intense ultraviolet photocurrent response

Author(s): Raj, LP (Raj, Loyola Poul); Valanarasu, S (Valanarasu, S.); Trabelsi, AB (Trabelsi, Amira Ben Gouider); Alkallas, FH (Alkallas, Fatemah. H.); Shkir, M (Shkir, Mohd.); Alfaify, S (Alfaify, S.); Saxena, KK (Saxena, Kuldeep K.)

Source: MATERIALS CHEMISTRY AND PHYSICS **Volume:** 308 **Article Number:** 128282 **DOI:** 10.1016/j.matchemphys.2023.128282 **Early Access Date:** AUG 2023 **Published:** OCT 15 2023

Record 999 of 1000

Title: Improved photocatalytic, antimicrobial and photoelectrochemical properties of nanocrystalline Cu²⁺-doped ZnO nanoparticles

Author(s): Umashankar, R (Umashankar, Raksha); Devi, SH (Devi, S. Harshitha); Gurushantha, K (Gurushantha, K.); Manjunatha, SO (Manjunatha, S. O.); Al-Dossari, M (Al-Dossari, M.); Shobha, G (Shobha, G.); Kumar, KJR (Kumar, K. J. Rudresh); Kumar, MRS (Kumar, M. R. Suresh); Keshavamurthy, K (Keshavamurthy, K.); Abd EL-Gawaad, NS (Abd EL-Gawaad, N. S.); Madhu, A (Madhu, A.); Reddy, SS (Reddy, S. Satyanarayana); Srinatha, N (Srinatha, N.)

Source: CERAMICS INTERNATIONAL **Volume:** 49 **Issue:** 13 **Pages:** 22449-22459 **DOI:** 10.1016/j.ceramint.2023.04.077 **Early Access Date:** MAY 2023 **Published:** JUL 1 2023

Record 1000 of 1000

Title: Are Proton Pump Inhibitors Contributing in Emerging New Hypertensive Population?

Author(s): Tayal, R (Tayal, Rohit); Yasmin, S (Yasmin, Sabina); Chauhan, S (Chauhan, Samrat); Singh, TG (Singh, Thakur Gurjeet); Saini, M (Saini, Monika); Shorog, E (Shorog, Eman); Althubyani, MM (Althubyani, Maryam M.); Alsaadi, BH (Alsaadi, Baiaan H.); Aljohani, F (Aljohani, Fatimah); Alenazi, MA (Alenazi, Maram A.); Abutaily, SA (Abutaily, Sarah A.); Ansari, MY (Ansari, Mohammad Yousuf)

Source: PHARMACEUTICALS **Volume:** 16 **Issue:** 10 **Article Number:** 1387 **DOI:** 10.3390/ph16101387 **Published:** OCT 2023

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