# Mohammad Mansoob Khan

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 131 papers | 11,479 citations | 26630 56 h-index | 28297 105 g-index |
| 138 all docs | 138 docs citations | 138 times ranked | 11810 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Band gap engineered TiO<sub>2</sub>nanoparticles for visible light induced photoelectrochemical and photocatalytic studies. Journal of Materials Chemistry A, 2014, 2, 637-644. | 10.3 | 751 |
| 2 | Conducting PANI stimulated ZnO system for visible light photocatalytic degradation of coloured dyes. Journal of Molecular Liquids, 2016, 221, 1029-1033. | 4.9 | 608 |
| 3 | ZnO/Ag/CdO nanocomposite for visible light-induced photocatalytic degradation of industrial textile effluents. Journal of Colloid and Interface Science, 2015, 452, 126-133. | 9.4 | 579 |
| 4 | Nitrogen-doped titanium dioxide (N-doped TiO<sub>2</sub>) for visible light photocatalysis. New Journal of Chemistry, 2016, 40, 3000-3009. | 2.8 | 549 |
| 5 | Oxygen vacancy induced band gap narrowing of ZnO nanostructures by an electrochemically active biofilm. Nanoscale, 2013, 5, 9238. | 5.6 | 523 |
| 6 | Ce3+-ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO2 nanocomposite. Scientific Reports, 2016, 6, 31641. | 3.3 | 506 |
| 7 | Metal oxides as photocatalysts. Journal of Saudi Chemical Society, 2015, 19, 462-464. | 5.2 | 432 |
| 8 | ZnO/Ag/Mn<sub>2</sub>O<sub>3</sub> nanocomposite for visible light-induced industrial textile effluent degradation, uric acid and ascorbic acid sensing and antimicrobial activity. RSC Advances, 2015, 5, 34645-34651. | 3.6 | 426 |
| 9 | Biogenic Synthesis, Photocatalytic, and Photoelectrochemical Performance of Agâ€“ZnO Nanocomposite. Journal of Physical Chemistry C, 2013, 117, 27023-27030. | 3.1 | 368 |
| 10 | Defect-Induced Band Gap Narrowed CeO<sub>2</sub> Nanostructures for Visible Light Activities. Industrial & Engineering Chemistry Research, 2014, 53, 9754-9763. | 3.7 | 278 |
| 11 | Band gap engineering of CeO<sub>2</sub> nanostructure using an electrochemically active biofilm for visible light applications. RSC Advances, 2014, 4, 16782-16791. | 3.6 | 266 |
| 12 | Au@TiO2 nanocomposites for the catalytic degradation of methyl orange and methylene blue: An electron relay effect. Journal of Industrial and Engineering Chemistry, 2014, 20, 1584-1590. | 5.8 | 234 |
| 13 | Highly visible light active Ag@TiO2 nanocomposites synthesized using an electrochemically active biofilm: a novel biogenic approach. Nanoscale, 2013, 5, 4427. | 5.6 | 219 |
| 14 | ZnO/CdO nanocomposites for textile effluent degradation and electrochemical detection. Journal of Molecular Liquids, 2015, 209, 374-380. | 4.9 | 163 |
| 15 | Band gap narrowing of titanium dioxide (TiO2) nanocrystals by electrochemically active biofilms and their visible light activity. Nanoscale, 2013, 5, 6323. | 5.6 | 155 |
| 16 | Fungi-assisted silver nanoparticle synthesis and their applications. Bioprocess and Biosystems Engineering, 2018, 41, 1-20. | 3.4 | 151 |
| 17 | Environmentally Sustainable Fabrication of Ag@<i>g-</i>C<sub>3</sub>N<sub>4</sub> Nanostructures and Their Multifunctional Efficacy as Antibacterial Agents and Photocatalysts. ACS Applied Nano Materials, 2018, 1, 2912-2922. | 5.0 | 142 |
| 18 | Phytogenic fabrication of ZnO and gold decorated ZnO nanoparticles for photocatalytic degradation of Rhodamine B. Journal of Environmental Chemical Engineering, 2021, 9, 104725. | 6.7 | 141 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | CdS-graphene Nanocomposite for Efficient Visible-light-driven Photocatalytic and Photoelectrochemical Applications. Journal of Colloid and Interface Science, 2016, 482, 221-232. | 9.4 | 140 |
| 20 | Ce3+-ion, Surface Oxygen Vacancy, and Visible Light-induced Photocatalytic Dye Degradation and Photocapacitive Performance of CeO2-Graphene Nanostructures. Scientific Reports, 2017, 7, 5928. | 3.3 | 133 |
| 21 | Biogenic synthesis of a Agâ€“graphene nanocomposite with efficient photocatalytic degradation, electrical conductivity and photoelectrochemical performance. New Journal of Chemistry, 2015, 39, 8121-8129. | 2.8 | 130 |
| 22 | Plant-Extract-Mediated SnO<sub>2</sub> Nanoparticles: Synthesis and Applications. ACS Sustainable Chemistry and Engineering, 2020, 8, 3040-3054. | 6.7 | 127 |
| 23 | Silver nanoparticles and defect-induced visible light photocatalytic and photoelectrochemical performance of Ag@m-TiO2 nanocomposite. Solar Energy Materials and Solar Cells, 2015, 141, 162-170. | 6.2 | 126 |
| 24 | Biogenic Fabrication of Au@CeO<sub>2</sub> Nanocomposite with Enhanced Visible Light Activity. Journal of Physical Chemistry C, 2014, 118, 9477-9484. | 3.1 | 123 |
| 25 | Fabrication of WO<sub>3</sub> nanorods on graphene nanosheets for improved visible light-induced photocapacitive and photocatalytic performance. RSC Advances, 2016, 6, 20824-20833. | 3.6 | 121 |
| 26 | Mechanothermal synthesis of Ag/TiO2 for photocatalytic methyl orange degradation and hydrogen production. Chemical Engineering Research and Design, 2018, 120, 339-347. | 5.6 | 106 |
| 27 | Highly visible light active Ag@ZnO nanocomposites synthesized by gel-combustion route. Journal of Industrial and Engineering Chemistry, 2014, 20, 1602-1607. | 5.8 | 104 |
| 28 | Visible light-driven photocatalytic and photoelectrochemical studies of Agâ€“SnO<sub>2</sub> nanocomposites synthesized using an electrochemically active biofilm. RSC Advances, 2014, 4, 26013-26021. | 3.6 | 103 |
| 29 | Electrochemically active biofilm assisted synthesis of Ag@CeO2 nanocomposites for antimicrobial activity, photocatalysis and photoelectrodes. Journal of Colloid and Interface Science, 2014, 431, 255-263. | 9.4 | 102 |
| 30 | Degradation of azo dyes under different wavelengths of UV light with chitosan-SnO2 nanocomposites. Journal of Molecular Liquids, 2017, 232, 423-430. | 4.9 | 102 |
| 31 | Visible light-induced enhanced photoelectrochemical and photocatalytic studies of gold decorated SnO<sub>2</sub>nanostructures. New Journal of Chemistry, 2015, 39, 2758-2766. | 2.8 | 101 |
| 32 | Diversity of Bacterial Synthesis of Silver Nanoparticles. BioNanoScience, 2018, 8, 43-59. | 3.5 | 99 |
| 33 | Polythiophene nanocomposites for photodegradation applications: Past, present and future. Journal of Saudi Chemical Society, 2015, 19, 494-504. | 5.2 | 91 |
| 34 | Microbial fuel cell assisted band gap narrowed TiO2 for visible light-induced photocatalytic activities and power generation. Scientific Reports, 2018, 8, 1723. | 3.3 | 91 |
| 35 | Gold nanoparticles-sensitized wide and narrow band gap TiO<sub>2</sub> for visible light applications: a comparative study. New Journal of Chemistry, 2015, 39, 4708-4715. | 2.8 | 90 |
| 36 | Recent progress of metalâ€“graphene nanostructures in photocatalysis. Nanoscale, 2018, 10, 9427-9440. | 5.6 | 89 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Fabrication of ZnO, ZnS, Ag-ZnS, and Au-ZnS microspheres for photocatalytic activities, CO oxidation and 2-hydroxyterephthalic acid synthesis. Journal of Alloys and Compounds, 2016, 675, 46-56. | 5.5 | 85 |
| 38 | Potentials of Costus woodsonii leaf extract in producing narrow band gap ZnO nanoparticles. Materials Science in Semiconductor Processing, 2019, 91, 194-200. | 4.0 | 84 |
| 39 | Simultaneous Enhancement of Methylene Blue Degradation and Power Generation in a Microbial Fuel Cell by Gold Nanoparticles. Industrial & Engineering Chemistry Research, 2013, 52, 8174-8181. | 3.7 | 81 |
| 40 | Enhanced Thermal Stability under DC Electrical Conductivity Retention and Visible Light Activity of Ag/TiO<sub>2</sub>@Polyaniline Nanocomposite Film. ACS Applied Materials & Interfaces, 2014, 6, 8124-8133. | 8.0 | 81 |
| 41 | Cobalt-Doped Ceria/Reduced Graphene Oxide Nanocomposite as an Efficient Oxygen Reduction Reaction Catalyst and Supercapacitor Material. Journal of Physical Chemistry C, 2017, 121, 20165-20176. | 3.1 | 81 |
| 42 | Green synthesis, photocatalytic and photoelectrochemical performance of an Auâ€"Graphene nanocomposite. RSC Advances, 2015, 5, 26897-26904. | 3.6 | 80 |
| 43 | Recent progress of algae and blueâ€"green algae-assisted synthesis of gold nanoparticles for various applications. Bioprocess and Biosystems Engineering, 2019, 42, 1-15. | 3.4 | 76 |
| 44 | Enhanced thermoelectric behaviour and visible light activity of Ag@TiO<sub>2</sub>/polyaniline nanocomposite synthesized by biogenic-chemical route. RSC Advances, 2014, 4, 23713-23719. | 3.6 | 75 |
| 45 | Synthesis of Cysteine Capped Silver Nanoparticles by Electrochemically Active Biofilm and their Antibacterial Activities. Bulletin of the Korean Chemical Society, 2012, 33, 2592-2596. | 1.9 | 74 |
| 46 | pTSA doped conducting graphene/polyaniline nanocomposite fibers: Thermoelectric behavior and electrode analysis. Chemical Engineering Journal, 2014, 242, 155-161. | 12.7 | 73 |
| 47 | Line defect Ce3+ induced Ag/CeO2/ZnO nanostructure for visible-light photocatalytic activity. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 499-506. | 3.9 | 73 |
| 48 | Novel Ag@TiO2 nanocomposite synthesized by electrochemically active biofilm for nonenzymatic hydrogen peroxide sensor. Materials Science and Engineering C, 2013, 33, 4692-4699. | 7.3 | 70 |
| 49 | Electrochemically active biofilm mediated bio-hydrogen production catalyzed by positively charged gold nanoparticles. International Journal of Hydrogen Energy, 2013, 38, 5243-5250. | 7.1 | 70 |
| 50 | Chalcogenides as photocatalysts. New Journal of Chemistry, 2021, 45, 19622-19635. | 2.8 | 67 |
| 51 | Highly photoactive SnO<sub>2</sub> nanostructures engineered by electrochemically active biofilm. New Journal of Chemistry, 2014, 38, 2462-2469. | 2.8 | 66 |
| 52 | Green-synthesized CeO<sub>2</sub>nanoparticles for photocatalytic, antimicrobial, antioxidant and cytotoxicity activities. Journal of Materials Chemistry B, 2021, 9, 5599-5620. | 5.8 | 66 |
| 53 | Biofilm-Assisted Fabrication of Ag@SnO<sub>2</sub>-<i>g</i>-C<sub>3</sub>N<sub>4</sub> Nanostructures for Visible Light-Induced Photocatalysis and Photoelectrochemical Performance. Journal of Physical Chemistry C, 2019, 123, 20936-20948. | 3.1 | 60 |
| 54 | Enhanced Performance of a Microbial Fuel Cell Using CNT/MnO<SUB>2</SUB> Nanocomposite as a Bioanode Material. Journal of Nanoscience and Nanotechnology, 2013, 13, 7712-7716. | 0.9 | 58 |

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| 55 | TiO2/BiOX (X=Cl, Br, I) hybrid microspheres for artificial waste water and real sample treatment under visible light irradiation. Separation and Purification Technology, 2016, 160, 28-42. | 7.9 | 58 |
| 56 | Production of bioelectricity, bio-hydrogen, high value chemicals and bioinspired nanomaterials by electrochemically active biofilms. Biotechnology Advances, 2013, 31, 915-924. | 11.7 | 57 |
| 57 | Zinc oxide and zinc oxide-based nanostructures: biogenic and phytogenic synthesis, properties and applications. Bioprocess and Biosystems Engineering, 2021, 44, 1333-1372. | 3.4 | 55 |
| 58 | Environmentally sustainable biogenic fabrication of AuNP decorated-graphitic g-C<sub>3</sub>N<sub>4</sub> nanostructures towards improved photoelectrochemical performances. RSC Advances, 2018, 8, 13898-13909. | 3.6 | 50 |
| 59 | Nitrogen-doped TiO2 fibers for visible-light-induced photocatalytic activities. Ceramics International, 2020, 46, 16743-16753. | 4.8 | 48 |
| 60 | ZnO-based antimicrobial coatings for biomedical applications. Bioprocess and Biosystems Engineering, 2022, 45, 1421-1445. | 3.4 | 48 |
| 61 | Enhanced thermoelectric performance and ammonia sensing properties of sulfonated polyaniline/graphene thin films. Materials Letters, 2014, 114, 159-162. | 2.6 | 46 |
| 62 | Mixed Culture Electrochemically Active Biofilms and their Microscopic and Spectroelectrochemical Studies. ACS Sustainable Chemistry and Engineering, 2014, 2, 423-432. | 6.7 | 46 |
| 63 | Positively Charged Gold Nanoparticles Synthesized by Electrochemically Active Biofilmâ€”A Biogenic Approach. Journal of Nanoscience and Nanotechnology, 2013, 13, 6079-6085. | 0.9 | 44 |
| 64 | Electrically conductive polyaniline sensitized defective-TiO<sub>2</sub>for improved visible light photocatalytic and photoelectrochemical performance: a synergistic effect. New Journal of Chemistry, 2015, 39, 8381-8388. | 2.8 | 42 |
| 65 | Selected nanotechnologies and nanostructures for drug delivery, nanomedicine and cure. Bioprocess and Biosystems Engineering, 2020, 43, 1339-1357. | 3.4 | 42 |
| 66 | Influence of Mg and Cu dual-doping on phytogenic synthesized ZnO for light induced antibacterial and radical scavenging activities. Materials Science in Semiconductor Processing, 2021, 128, 105761. | 4.0 | 41 |
| 67 | Synergistic effect of g-C3N4, Ni(OH)2 and halloysite in nanocomposite photocatalyst on efficient photocatalytic hydrogen generation. Renewable Energy, 2019, 138, 434-444. | 8.9 | 40 |
| 68 | Improved electrode performance in microbial fuel cells and the enhanced visible light-induced photoelectrochemical behaviour of PtO @M-TiO2 nanocomposites. Ceramics International, 2015, 41, 9131-9139. | 4.8 | 39 |
| 69 | Binary flux-promoted formation of trigonal ZnIn<sub>2</sub>S<sub>4</sub> layered crystals using ZnS-containing industrial waste and their photocatalytic performance for H<sub>2</sub> production. Green Chemistry, 2018, 20, 3845-3856. | 9.0 | 38 |
| 70 | Antibacterial Studies of ZnO and Cu-Doped ZnO Nanoparticles Synthesized Using Aqueous Leaf Extract of Stachytarpheta jamaicensis. BioNanoScience, 2020, 10, 1037-1048. | 3.5 | 38 |
| 71 | A simple biogenic route to rapid synthesis of Au@TiO2 nanocomposites by electrochemically active biofilms. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 37 |
| 72 | Phytogenic Synthesis of Band Gap-Narrowed ZnO Nanoparticles Using the Bulb Extract of Costus woodsonii. BioNanoScience, 2019, 9, 334-344. | 3.5 | 37 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 73 | Spectral and electrochemical characterization of bimetallic complexes of a novel 32-membered unsymmetrical [N12] macrocycle. Transition Metal Chemistry, 2007, 32, 927-935. | 1.4 | 36 |
| 74 | CeO<sub>2</sub>-based nanocomposites: An advanced alternative to TiO<sub>2</sub> and ZnO in sunscreens. Materials Express, 2019, 9, 185-202. | 0.5 | 36 |
| 75 | Antibacterial activities of zinc oxide and Mn-doped zinc oxide synthesized using Melastoma malabathricum (L.) leaf extract. Bioprocess and Biosystems Engineering, 2020, 43, 1499-1508. | 3.4 | 36 |
| 76 | Green synthesis of CeO<sub>2</sub> and Zr/Sn-dual doped CeO<sub>2</sub> nanoparticles with photoantioxidant and antibiofilm activities. Biomaterials Science, 2021, 9, 4854-4869. | 5.4 | 36 |
| 77 | Photoantioxidant studies of SnO2 nanoparticles fabricated using aqueous leaf extract of Tradescantia spathacea. Solid State Sciences, 2020, 105, 106279. | 3.2 | 33 |
| 78 | Effect of Ni-doping on properties of the SnO2 synthesized using Tradescantia spathacea for photoantioxidant studies. Materials Chemistry and Physics, 2020, 252, 123293. | 4.0 | 32 |
| 79 | Antifungal and Antibacterial Assay by Silver Nanoparticles Synthesized from Aqueous Leaf Extract of Trigonella foenum-graecum. BioNanoScience, 2019, 9, 597-602. | 3.5 | 31 |
| 80 | Comprehensive review on carbon nanotubes embedded in different metal and polymer matrix: fabrications and applications. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 837-864. | 12.3 | 31 |
| 81 | Visible light induced antibacterial and antioxidant studies of ZnO and Cu-doped ZnO fabricated using aqueous leaf extract of Ziziphus mauritiana Lam. Journal of Environmental Chemical Engineering, 2021, 9, 105481. | 6.7 | 30 |
| 82 | Molybdenum Disulfide-Based Nanomaterials for Visible-Light-Induced Photocatalysis. ACS Omega, 2022, 7, 22089-22110. | 3.5 | 30 |
| 83 | Enhanced optical, visible light catalytic and electrochemical properties of Au@TiO2 nanocomposites. Journal of Industrial and Engineering Chemistry, 2013, 19, 1845-1850. | 5.8 | 29 |
| 84 | Photoantioxidant and antibiofilm studies of green synthesized Sn-doped CeO<sub>2</sub> nanoparticles using aqueous leaf extracts of <i>Pometia pinnata</i>. New Journal of Chemistry, 2021, 45, 7816-7829. | 2.8 | 29 |
| 85 | Recent Progress and Future Perspectives of Antibiofilm Drugs Immobilized on Nanomaterials. Current Pharmaceutical Biotechnology, 2018, 19, 631-643. | 1.6 | 29 |
| 86 | Enhancement in the Photocatalytic Activity of Au@TiO<sub>2</sub>Nanocomposites by Pretreatment of TiO<sub>2</sub>with UV Light. Bulletin of the Korean Chemical Society, 2012, 33, 1753-1758. | 1.9 | 29 |
| 87 | Effect of Mg doping on ZnO fabricated using aqueous leaf extract of Ziziphus mauritiana Lam. for antioxidant and antibacterial studies. Bioprocess and Biosystems Engineering, 2021, 44, 875-889. | 3.4 | 28 |
| 88 | Nanocomposites for Visible Light-induced Photocatalysis. Springer Series on Polymer and Composite Materials, 2017, , . | 0.7 | 28 |
| 89 | Defected graphene nano-platelets for enhanced hydrophilic nature and visible light-induced photoelectrochemical performances. Journal of Physics and Chemistry of Solids, 2017, 104, 233-242. | 4.0 | 27 |
| 90 | Electrochemically active biofilm-assisted biogenic synthesis of an Ag-decorated ZnO@C coreâ€“shell ternary plasmonic photocatalyst with enhanced visible-photocatalytic activity. New Journal of Chemistry, 2018, 42, 1995-2005. | 2.8 | 27 |

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| 91 | Machine-Learning-Based Cyclic Voltammetry Behavior Model for Supercapacitance of Co-Doped Ceria/rGO Nanocomposite. Journal of Chemical Information and Modeling, 2018, 58, 2517-2527. | 5.4 | 27 |
| 92 | Antioxidant and antibacterial studies of phytogenic fabricated ZnO using aqueous leaf extract of Ziziphus mauritiana Lam. Chemical Papers, 2021, 75, 3295-3308. | 2.2 | 22 |
| 93 | Optimization of positively charged gold nanoparticles synthesized using a stainless-steel mesh and its application for colorimetric hydrogen peroxide detection. Journal of Industrial and Engineering Chemistry, 2014, 20, 2003-2009. | 5.8 | 19 |
| 94 | Antibiofilm Action of ZnO, SnO2 and CeO2 Nanoparticles Towards Grampositive Biofilm Forming Pathogenic Bacteria. Recent Patents on Nanotechnology, 2020, 14, 239-249. | 1.3 | 18 |
| 95 | Synthesis of Positively Charged Gold Nanoparticles Using a Stainless-Steel Mesh. Journal of Nanoscience and Nanotechnology, 2013, 13, 6140-6144. | 0.9 | 15 |
| 96 | Effect of Co2+ and Ni2+ co-doping on SnO2 synthesized via phytogenic method for photoantioxidant studies and photoconversion of 4-nitrophenol. Materials Today Communications, 2020, 25, 101677. | 1.9 | 15 |
| 97 | Suppression of hyphal formation and virulence of<i>Candida albicans</i>by natural and synthetic compounds. Biofouling, 2021, 37, 626-655. | 2.2 | 13 |
| 98 | Fabrication of <scp>coâ€PVDF</scp>/modacrylic/<scp>SiO<sub>2</sub></scp> nanofibrous membrane: Composite separator for safe and high performance lithiumâ€ion batteries. Journal of Applied Polymer Science, 2021, 138, 49835. | 2.6 | 12 |
| 99 | Green and Phytogenic Fabrication of Co-Doped SnO2 Using Aqueous Leaf Extract of Tradescantia spathacea for Photoantioxidant and Photocatalytic Studies. BioNanoScience, 2021, 11, 120-135. | 3.5 | 12 |
| 100 | La-substituted AgNbO3 for photocatalytic degradation of Rhodamine B and methylene blue dyes. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 1687-1701. | 1.7 | 12 |
| 101 | Role of Anions in the Synthesis and Crystal Growth of Selected Semiconductors. Frontiers in Chemistry, 2022, 10, 881518. | 3.6 | 12 |
| 102 | Visible light active La-doped Ag3PO4 for photocatalytic degradation of dyes and reduction of Cr(VI). Solid State Sciences, 2022, 131, 106950. | 3.2 | 12 |
| 103 | DC electrical conductivity retention and electrical compensation of polyaniline by TiO2 at higher loading percentages in polyaniline@TiO2 nanocomposites. Electronic Materials Letters, 2015, 11, 559-564. | 2.2 | 11 |
| 104 | Positively Charged Gold Nanoparticles for Hydrogen Peroxide Detection. BioNanoScience, 2018, 8, 537-543. | 3.5 | 11 |
| 105 | Structural, Morphological and Optical Studies of CeO2 Nanoparticles Synthesized Using Aqueous Leaf Extract of Pometia pinnata. BioNanoScience, 2022, 12, 393-404. | 3.5 | 10 |
| 106 | Advances in chalcogenides and chalcogenides-based nanomaterials such as sulfides, selenides, and tellurides. , 2021, , 7-31. | | 9 |
| 107 | Recent progress of phytogenic synthesis of ZnO, SnO2, and CeO2 nanomaterials. Bioprocess and Biosystems Engineering, 2022, 45, 619-645. | 3.4 | 9 |
| 108 | Microplastic accumulation in oysters along a Bornean coastline (Brunei, South China Sea): Insights into local sources and sinks. Marine Pollution Bulletin, 2022, 177, 113478. | 5.0 | 9 |

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| 109 | Phytogenic fabrication of CeO2@SnO2 heterojunction nanostructures for antioxidant studies. Chemical Papers, 2022, 76, 2071-2084. | 2.2 | 8 |
| 110 | Effect of La3+-doping in silver niobate for enhanced photocatalytic degradation of methylene blue and Rhodamine B. Chemical Physics Impact, 2022, 4, 100082. | 3.5 | 8 |
| 111 | Assessment of nitrate, nitrite and chloride in selected cured meat products and their exposure to school children in Brunei Darussalam. Journal of Food Composition and Analysis, 2020, 91, 103520. | 3.9 | 7 |
| 112 | Ion-Pair Facilitated Non-Enzymatic Electrochemical Sensing of Cadaverine and Putrescine. Journal of the Electrochemical Society, 2021, 168, 047505. | 2.9 | 7 |
| 113 | Effect of Zr doping on photoantioxidant and antibiofilm properties of CeO2 NPs fabricated using aqueous leaf extract of Pometia pinnata. Bioprocess and Biosystems Engineering, 2022, 45, 279-295. | 3.4 | 7 |
| 114 | Synthesis and Characterization of a Novel 32â€Membered Unsymmetrical Dinucleating [N12] Macrocycle: Preparation of Bimetallic Complexes M2LX2(ClO4)2(MÂ=ÂZn, Cd, or Hg; XÂ=ÂCl, NCS, or NO3). Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2004, 34, 897-917. | 1.8 | 6 |
| 115 | Advanced Nanomaterials for Biological Applications. Journal of Nanomaterials, 2018, 2018, 1-2. | 2.7 | 5 |
| 116 | Nanomaterial-based biosensors for COVID-19 detection. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 955-978. | 12.3 | 5 |
| 117 | Metal oxide powder photocatalysts. , 2018, , 5-18. | | 4 |
| 118 | Introduction and fundamentals of chalcogenides and chalcogenides-based nanomaterials. , 2021, , 1-6. | | 4 |
| 119 | Ru(III), Pd(II), Pt(III), and Pt(IV) Complexes of a Novel 32-Membered Unsymmetrical Dinucleating Macrocyclic Ligand. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2010, 40, 148-152. | 0.6 | 2 |
| 120 | Chalcogenides for visible light-induced photocatalysis. , 2022, , 185-195. | | 2 |
| 121 | SYNTHESIS AND PHYSICO-CHEMICAL INVESTIGATIONS ON 16 AND 18 MEMBERED [N4] MACROCYCLES MODIFIED WITH APPROPRIATE CARBONYL FUNCTIONS - A CLOSER MIMIC TO A SYNTHETIC CYCLIC TETRAPEPTIDE; ISOLATION OF STABLE ENCAPSULATED DERIVATIVES WITH Zn(II),Cd(II) AND Hg(II) IONS. Main Group Metal Chemistry, 2001, 24, . | 1.6 | 1 |
| 122 | Spectroscopic and physico-chemical characterization of Ir(I) and Ru(III) complexes of 32-membered unsymmetrical dinucleating macrocyclic ligand. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 78, 257-263. | 1.6 | 1 |
| 123 | Polymer nanocomposite application in sorption processes for removal of environmental contaminants. , 2018, , 491-505. | | 1 |
| 124 | Metal Oxideâ€"Graphene and Metalâ€"Graphene Nanocomposites for Energy and Environment. , 2019, , 285-294. | | 1 |
| 125 | Plant-Assisted Fabrication of SnO2 and SnO2-Based Nanostructures for Various Applications. , 2019, , 285-297. | | 1 |
| 126 | Photocatalytic N2 fixation using chalcogenide-based nanomaterials. , 2021, , 285-294. | | 1 |

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| 127 | Principles and mechanisms of photocatalysis. , 2021, , 1-22. | | 1 |
| 128 | Evaluation of Photoantioxidant Activities of SnO2, doped SnO2, and dual-doped SnO2 using Artificial Neural Networks and Neuro-fuzzy System. Materials Today Communications, 2022, , 103882. | 1.9 | 1 |
| 129 | Zinc oxide-based nanomaterials for photocatalytic degradation of environmental and agricultural pollutants. , 2021, , 543-568. | | 0 |
| 130 | Synergistic Extraction of Europium (III) using Di-n-Butylsulfoxide and PicrolonicAcid. Combinatorial Chemistry and High Throughput Screening, 2021, 24, . | 1.1 | 0 |
| 131 | Smart polymer biomaterials for tissue engineering. , 2021, , 205-214. | | 0 |