# Zahra Shariatinia

List of Publications by Year
in descending order



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|---|---|---|---|
| 167 papers | 7,136 citations | 38660 50 h-index | 69108 77 g-index |
| 170 all docs | 170 docs citations | 170 times ranked | 6598 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Carboxymethyl chitosan: Properties and biomedical applications. International Journal of Biological Macromolecules, 2018, 120, 1406-1419. | 3.6 | 455 |
| 2 | Pharmaceutical applications of chitosan. Advances in Colloid and Interface Science, 2019, 263, 131-194. | 7.0 | 391 |
| 3 | Chitosan-based hydrogels: Preparation, properties and applications. International Journal of Biological Macromolecules, 2018, 115, 194-220. | 3.6 | 230 |
| 4 | Antibacterial electrospun chitosanâ€“polyethylene oxide nanocomposite mats containing bioactive silver nanoparticles. Carbohydrate Polymers, 2016, 140, 287-298. | 5.1 | 191 |
| 5 | ZnO Photocatalyst Revisited: Effective Photocatalytic Degradation of Emerging Contaminants Using S-Doped ZnO Nanoparticles under Visible Light Radiation. Industrial & Engineering Chemistry Research, 2020, 59, 15894-15911. | 1.8 | 188 |
| 6 | Antibacterial electrospun chitosan-polyethylene oxide nanocomposite mats containing ZIF-8 nanoparticles. International Journal of Biological Macromolecules, 2016, 91, 778-788. | 3.6 | 157 |
| 7 | Effect of boron incorporation on the structure, products selectivities and lifetime of H-ZSM-5 nanocatalyst designed for application in methanol-to-olefins (MTO) reaction. Microporous and Mesoporous Materials, 2015, 203, 41-53. | 2.2 | 156 |
| 8 | High catalytic activity and stability of ZnLaAlO 4 supported Ni, Pt and Ru nanocatalysts applied in the dry, steam and combined dry-steam reforming of methane. Chemical Engineering Journal, 2016, 299, 353-366. | 6.6 | 130 |
| 9 | Mechanical properties and antibacterial activities of novel nanobiocomposite films of chitosan and starch. Food Hydrocolloids, 2015, 46, 112-124. | 5.6 | 124 |
| 10 | Hexagonal boron nitride nanosheet as novel drug delivery system for anticancer drugs: Insights from DFT calculations and molecular dynamics simulations. Journal of Molecular Graphics and Modelling, 2019, 89, 50-59. | 1.3 | 123 |
| 11 | From Traditional Strategies to Z-scheme Configuration in Graphitic Carbon Nitride Photocatalysts: Recent Progress and Future Challenges. Applied Catalysis B: Environmental, 2020, 276, 119157. | 10.8 | 121 |
| 12 | Controlled release of metformin from chitosanâ€“based nanocomposite films containing mesoporous MCM-41 nanoparticles as novel drug delivery systems. Journal of Colloid and Interface Science, 2017, 501, 60-76. | 5.0 | 120 |
| 13 | Controllable Synthesis of Mesoporous Sulfur-Doped Carbon Nitride Materials for Enhanced Visible Light Photocatalytic Degradation. Langmuir, 2017, 33, 7062-7078. | 1.6 | 119 |
| 14 | Facile one-pot synthesis of cerium oxide/sulfur-doped graphitic carbon nitride (g-C3N4) as efficient nanophotocatalysts under visible light irradiation. Journal of Colloid and Interface Science, 2017, 507, 59-73. | 5.0 | 113 |
| 15 | Controlled release of cefazolin sodium antibiotic drug from electrospun chitosan-polyethylene oxide nanofibrous Mats. Materials Science and Engineering C, 2017, 71, 641-652. | 3.8 | 108 |
| 16 | High efficiency visible-light-driven Fe2O3-xS /S-doped g-C3N4 heterojunction photocatalysts: Direct Z-scheme mechanism. Journal of Materials Science and Technology, 2018, 34, 1511-1525. | 5.6 | 107 |
| 17 | AlN and AlP doped graphene quantum dots as novel drug delivery systems for 5-fluorouracil drug: Theoretical studies. Journal of Fluorine Chemistry, 2018, 211, 81-93. | 0.9 | 95 |
| 18 | Synthesis and characterization of novel Sm2O3/S-doped g-C3N4 nanocomposites with enhanced photocatalytic activities under visible light irradiation. Applied Surface Science, 2018, 427, 375-387. | 3.1 | 87 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Flame retardant cotton fibers produced using novel synthesized halogen-free phosphoramide nanoparticles. Carbohydrate Polymers, 2015, 118, 183-198. | 5.1 | 86 |
| 20 | Fabrication of chitosanâ€“polyethylene glycol nanocomposite films containing ZIF-8 nanoparticles for application as wound dressing materials. International Journal of Biological Macromolecules, 2020, 153, 421-432. | 3.6 | 84 |
| 21 | Recent progress in development of diverse kinds of hole transport materials for the perovskite solar cells: A review. Renewable and Sustainable Energy Reviews, 2020, 119, 109608. | 8.2 | 83 |
| 22 | Synthesis of novel CuO/LaFeO 3 nanocomposite photocatalysts with superior Fenton-like and visible light photocatalytic activities for degradation of aqueous organic contaminants. Separation and Purification Technology, 2018, 202, 227-241. | 3.9 | 81 |
| 23 | A new approach for one step synthesis of magnetic carbon nanotubes/diatomite earth composite by chemical vapor deposition method: Application for removal of lead ions. Chemical Engineering Journal, 2014, 253, 456-463. | 6.6 | 79 |
| 24 | Chitosan nanocomposite drug delivery systems designed for the ifosfamide anticancer drug using molecular dynamics simulations. Journal of Molecular Liquids, 2019, 273, 346-367. | 2.3 | 76 |
| 25 | Synthesis of high growth rate SWCNTs and their magnetite cobalt sulfide nanohybrid as super-adsorbent for mercury removal. Chemical Engineering Research and Design, 2018, 129, 132-149. | 2.7 | 75 |
| 26 | Nitrogen and phosphorous doped graphene quantum dots: Excellent flame retardants and smoke suppressants for polyacrylonitrile nanocomposites. Journal of Hazardous Materials, 2020, 381, 121013. | 6.5 | 75 |
| 27 | Conventional hydrothermal synthesis of nanostructured H-ZSM-5 catalysts using various templates for light olefins production from methanol. Journal of Natural Gas Science and Engineering, 2015, 22, 260-269. | 2.1 | 74 |
| 28 | Effective aqueous arsenic removal using zero valent iron doped MWCNT synthesized by in situ CVD method using natural Î±-Fe2O3 as a precursor. Chemosphere, 2017, 171, 502-511. | 4.2 | 74 |
| 29 | Operation Mechanism of Perovskite Quantum Dot Solar Cells Probed by Impedance Spectroscopy. ACS Energy Letters, 2019, 4, 251-258. | 8.8 | 73 |
| 30 | Revealing the role of different nitrogen functionalities in the drug delivery performance of graphene quantum dots: a combined density functional theory and molecular dynamics approach. Journal of Materials Chemistry B, 2019, 7, 6156-6171. | 2.9 | 70 |
| 31 | A DFT study on the physical adsorption of cyclophosphamide derivatives on the surface of fullerene C60 nanocage. Journal of Molecular Graphics and Modelling, 2014, 52, 71-81. | 1.3 | 69 |
| 32 | Facile synthesis of NiS<sub>2</sub> nanoparticles ingrained in a sulfur-doped carbon nitride framework with enhanced visible light photocatalytic activity: two functional roles of thiourea. Journal of Materials Chemistry A, 2018, 6, 13448-13466. | 5.2 | 65 |
| 33 | Synthesis and photocatalytic degradation activities of phosphorus containing ZnO microparticles under visible light irradiation for water treatment applications. Environmental Pollution, 2020, 259, 113902. | 3.7 | 65 |
| 34 | A novel chitosan-polyethylene oxide nanofibrous mat designed for controlled co-release of hydrocortisone and imipenem/cilastatin drugs. International Journal of Pharmaceutics, 2016, 513, 636-647. | 2.6 | 64 |
| 35 | Fe-Supported SBA-16 Type Cagelike Mesoporous Silica with Enhanced Catalytic Activity for Direct Hydroxylation of Benzene to Phenol. Industrial & Engineering Chemistry Research, 2016, 55, 3900-3908. | 1.8 | 64 |
| 36 | Applications of zeolitic imidazolate framework-8 (ZIF-8) in bone tissue engineering: A review. Tissue and Cell, 2021, 72, 101588. | 1.0 | 64 |

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|---|---|---|---|
| 37 | Al3+ doping into TiO2 photoanodes improved the performances of amine anchored CdS quantum dot sensitized solar cells. Materials Research Bulletin, 2018, 98, 121-132. | 2.7 | 63 |
| 38 | Computational studies on the doped graphene quantum dots as potential carriers in drug delivery systems for isoniazid drug. Structural Chemistry, 2018, 29, 1427-1448. | 1.0 | 63 |
| 39 | Synthesis of zeolite NaY and its nanocomposites with chitosan as adsorbents for lead(II) removal from aqueous solution. Powder Technology, 2018, 338, 744-763. | 2.1 | 63 |
| 40 | Antibacterial activities of novel nanocomposite biofilms of chitosan/phosphoramide/Ag NPs. Polymer Composites, 2015, 36, 454-466. | 2.3 | 60 |
| 41 | In situ fabrication of SnO2/S-doped g-C3N4 nanocomposites and improved visible light driven photodegradation of methylene blue. Journal of Molecular Liquids, 2017, 248, 688-702. | 2.3 | 60 |
| 42 | Sulfur-Doped Mesoporous Carbon Nitride Decorated with Cu Particles for Efficient Photocatalytic Degradation under Visible-Light Irradiation. Journal of Physical Chemistry C, 2017, 121, 19239-19253. | 1.5 | 60 |
| 43 | Phosphate functionalized (4,4)-armchair CNTs as novel drug delivery systems for alendronate and etidronate anti-osteoporosis drugs. Journal of Molecular Graphics and Modelling, 2017, 76, 86-105. | 1.3 | 60 |
| 44 | Novel visible light driven CuO/SmFeO3 nanocomposite photocatalysts with enhanced photocatalytic activities for degradation of organic pollutants. Journal of Molecular Liquids, 2018, 262, 533-548. | 2.3 | 60 |
| 45 | Synthesis, spectroscopic study, X-ray crystallography and ab initio calculations of the two new phosphoramidates: C6H5OP(O)(NHC6H11)2 and [N(CH3)(C6H11)]P(O)(2-C5H4N-NH)2. Journal of Molecular Structure, 2008, 874, 178-186. | 1.8 | 58 |
| 46 | CdS/CdSe quantum dots co-sensitized solar cells with Cu2S counter electrode prepared by SILAR, spray pyrolysis and Znâ€“Cu alloy methods. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 271, 56-64. | 2.0 | 58 |
| 47 | Synthesis and antibacterial activities of novel nanocomposite films of chitosan/phosphoramide/Fe3O4 NPs. International Journal of Biological Macromolecules, 2013, 60, 226-234. | 3.6 | 58 |
| 48 | Enhanced efficiency of quantum dot sensitized solar cells using Cu2O/TiO2 nanocomposite photoanodes. Journal of Alloys and Compounds, 2018, 737, 99-112. | 2.8 | 56 |
| 49 | Syntheses, spectroscopic characterization and crystal structures of some new phosphoramidates and an organotin(IV) complex of N-(4-fluorobenzoyl)-Nâ€²,Nâ€³-bis(piperidinyl)phosphoric triamide. Polyhedron, 2006, 25, 711-721. | 1.0 | 55 |
| 50 | An optimization of MnO 2 amount in CNT-MnO 2 nanocomposite as a high rate cathode catalyst for the rechargeable Li-O 2 batteries. Electrochimica Acta, 2016, 188, 428-440. | 2.6 | 55 |
| 51 | Dye sensitized solar cells go beyond using perovskite and spinel inorganic materials: A review. Renewable and Sustainable Energy Reviews, 2022, 157, 112047. | 8.2 | 54 |
| 52 | 2J(P,C) and3J(P,C) Coupling Constants in Some New Phosphoramidates. Crystal Structures of CF3C(O)N(H)P(O)[N(CH3)(CH2C6H5)]2 and 4-NO2-C6H4N(H)P(O)[4-CH3-NC5H9]2. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 961-967. | 0.6 | 51 |
| 53 | The effect of various substituents on the structural parameters of the P(O)[N(CH3)(CH2C6H5)]2 moiety. Syntheses and spectroscopic characterization of some new phosphoramidates, crystal structures of P(O)(X)[N(CH3)(CH2C6H5)]2, X=C6H5C(O)NH, Cl and CCl3C(O)NH. Polyhedron, 2005, 24, 655-662. | 1.0 | 50 |
| 54 | Water assisted synthesis of MWCNTs over natural magnetic rock: An effective magnetic adsorbent with enhanced mercury(II) adsorption property. Chemical Engineering Journal, 2015, 281, 468-481. | 6.6 | 50 |

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|---|---|---|---|
| 55 | Quantum dot sensitized solar cells fabricated by means of a novel inorganic spinel nanoparticle. Applied Surface Science, 2018, 441, 1-11. | 3.1 | 50 |
| 56 | DFT computational study on the phosphate functionalized SWCNTs as efficient drug delivery systems for anti-osteoporosis zolendronate and risedronate drugs. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 91, 41-59. | 1.3 | 48 |
| 57 | Synthesis of molecularly imprinted polymer as a sorbent for solid phase extraction of citalopram from human serum and urine. Journal of Materials Science: Materials in Medicine, 2012, 23, 1543-1552. | 1.7 | 42 |
| 58 | New phosphoric triamides: Chlorine substituents effects and polymorphism. Heteroatom Chemistry, 2010, 21, 168-180. | 0.4 | 41 |
| 59 | Fabrication of CdS quantum dot sensitized solar cells using nitrogen functionalized CNTs/TiO2 nanocomposites. Diamond and Related Materials, 2018, 81, 1-15. | 1.8 | 41 |
| 60 | 2,3J(P,X) [X=H, C] coupling constants dependency on the ring size, hybridization and substituents in new diazaphospholes and diazaphosphorinanes, NMR and X-ray crystallography studies. Polyhedron, 2007, 26, 837-844. | 1.0 | 39 |
| 61 | The effects of synthesis operation conditions on the properties of modified Î³-alumina nanocatalysts in methanol dehydration to dimethyl ether using factorial experimental design. Fuel, 2015, 139, 40-50. | 3.4 | 39 |
| 62 | Dye sensitized solar cells fabricated based on nanocomposite photoanodes of TiO2 and AlMo0.5O3 perovskite nanoparticles. Solar Energy, 2021, 218, 435-444. | 2.9 | 37 |
| 63 | Optimization of TiO2 paste concentration employed as electron transport layers in fully ambient air processed perovskite solar cells with a low-cost architecture. Ceramics International, 2022, 48, 320-336. | 2.3 | 36 |
| 64 | Two conformers in the solid state for a novel organotin(IV) complex of a phosphoramidate: Syntheses, spectroscopic study and crystal structures of several new organotin(IV) complexes of N-benzoylphosphoric triamides. Journal of Organometallic Chemistry, 2006, 691, 4215-4224. | 0.8 | 35 |
| 65 | Hydrogen production employing Cu(BDC) metalâ€“organic framework support in methanol steam reforming process within monolithic micro-reactors. International Journal of Hydrogen Energy, 2021, 46, 565-580. | 3.8 | 33 |
| 66 | Corrosion inhibition efficiency of some phosphoramide derivatives: DFT computations and MD simulations. Journal of Molecular Liquids, 2019, 292, 111409. | 2.3 | 32 |
| 67 | DFT computations on the hydrogen bonding interactions between methacrylic acid-trimethylolpropane trimethacrylate copolymers and letrozole as drug delivery systems. Journal of Theoretical and Computational Chemistry, 2016, 15, 1650015. | 1.8 | 28 |
| 68 | Isoindigo derivatives as promising hole transport materials for perovskite solar cells. Solar Energy, 2021, 230, 260-268. | 2.9 | 28 |
| 69 | The RGD tripeptide anticancer drug carrier: DFT computations and molecular dynamics simulations. Journal of Molecular Liquids, 2019, 281, 565-583. | 2.3 | 27 |
| 70 | Novel organotin(IV) complexes of organophosphorus ligands: Synthesis, spectroscopic, structural study and DFT calculations. Journal of Organometallic Chemistry, 2012, 715, 82-92. | 0.8 | 26 |
| 71 | Synergetic photocatalytic ozonation using modified graphitic carbon nitride for treatment of emerging contaminants under UVC, UVA and visible irradiation. Chemical Engineering Science, 2019, 209, 115181. | 1.9 | 26 |
| 72 | Hybrid silica aerogel nanocomposite adsorbents designed for Cd(II) removal from aqueous solution. Water Environment Research, 2019, 91, 1624-1637. | 1.3 | 26 |

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| 73 | Unveiling the influence of SmFeO3-TiO2 nanocomposites as high performance photoanodes of dye-sensitized solar cells. Journal of Molecular Liquids, 2022, 348, 118070. | 2.3 | 26 |
| 74 | Designing novel anticancer drug release vehicles based on mesoporous functionalized MCM-41 nanoparticles. Journal of Molecular Structure, 2021, 1242, 130754. | 1.8 | 25 |
| 75 | Syntheses, crystal structures and dynamic<sup>1</sup>H NMR study of diastereotopic CH<sub>2</sub>protons in several new phosphoric triamides. Main Group Chemistry, 2006, 5, 95-109. | 0.4 | 24 |
| 76 | Structural diversity in phosphoramidateâ€™s chemistry: Syntheses, spectroscopic and X-ray crystallography studies. Polyhedron, 2009, 28, 307-321. | 1.0 | 24 |
| 77 | Synthesis of copperâ€“silica nanosized catalysts for 2-butanol dehydrogenation and optimization of preparation parameters by response surface method. Chemical Engineering Research and Design, 2015, 96, 63-77. | 2.7 | 24 |
| 78 | Molecular dynamics simulations on chitosan/graphene nanocomposites as anticancer drug delivery using systems. Chinese Journal of Physics, 2020, 66, 362-382. | 2.0 | 24 |
| 79 | Polymorphism for a novel phosphoramidate; NMR and X-ray crystallography. Structural Chemistry, 2010, 21, 629-636. | 1.0 | 23 |
| 80 | Hydrogen bonding interactions between Î±-, Î²-glucose, and methacrylic acid. Structural Chemistry, 2011, 22, 1347-1352. | 1.0 | 23 |
| 81 | Thermal decomposition kinetics of electrospun azidodeoxy cellulose nitrate and polyurethane nanofibers. Journal of Thermal Analysis and Calorimetry, 2015, 119, 281-290. | 2.0 | 23 |
| 82 | Synthesis of star-like MnO2-CeO2/CNT composite as an efficient cathode catalyst applied in lithium-oxygen batteries. Electrochimica Acta, 2016, 222, 821-829. | 2.6 | 23 |
| 83 | Polyacrylonitrile/N,P co-doped graphene quantum dots-layered double hydroxide nanocomposite: Flame retardant property, thermal stability and fire hazard. European Polymer Journal, 2019, 120, 109256. | 2.6 | 23 |
| 84 | Synthesis and Spectroscopic Study of Some New Phosphoramidates, Crystal Structures of N-Benzoyl-Nâ€²,Nâ€³-bis(azetidinyl)phosphoric Triamide and N-Benzoyl-Nâ€²,Nâ€³-bis(hexamethylenyl)phosphoric Triamide. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 3074-3079. | 0.6 | 22 |
| 85 | Pharmaceutical applications of natural polysaccharides. , 2019, , 15-57. | | 22 |
| 86 | Application of ZnxLayFezO4 spinel nanomaterial in quantum dot sensitized solar cells. Optik, 2020, 212, 164682. | 1.4 | 22 |
| 87 | Synthesis and characterization of novel spinel Zn 1.114 La 1.264 Al 0.5 O 4.271 nanoparticles. Journal of Alloys and Compounds, 2016, 686, 384-393. | 2.8 | 21 |
| 88 | DFT computations on surface physical adsorption of hydrocarbons produced in the Fischer-Tropsch synthesis on a CNT/Co nanocatalyst. Journal of Saudi Chemical Society, 2018, 22, 786-808. | 2.4 | 20 |
| 89 | Polycaprolactone nanocomposite systems used to deliver ifosfamide anticancer drug: molecular dynamics simulations. Structural Chemistry, 2019, 30, 863-876. | 1.0 | 20 |
| 90 | Exploring the influence of Zn2SnO4/ZIF-8 nanocomposite photoelectrodes on boosting efficiency of dye sensitized solar cells. Ceramics International, 2022, 48, 21812-21823. | 2.3 | 20 |

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|---|---|---|---|
| 91 | Syntheses and Spectroscopic Study of Some New N-4-Fluorobenzoyl Phosphoric Triamides; Crystal Structures of 4-F-C6H4C(O)N(H)P(O)R2, R = NH-C(CH3)3, NH-CH2C6H5, N(CH3)(CH2C6H5). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 160-166. | 0.6 | 19 |
| 92 | Syntheses and spectroscopic characterization of some phosphoramidates as reversible inhibitors of human acetylcholinesterase and determination of their potency. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 31-35. | 2.5 | 19 |
| 93 | Desulfurization efficiency of polydimethylsiloxane/silica nanoparticle nanocomposite membranes: MD simulations. Computational Materials Science, 2017, 139, 115-124. | 1.4 | 19 |
| 94 | Syntheses, spectroscopic study and crystal structures of some new N-benzoylphosphoric triamides. Structural Chemistry, 2007, 18, 95-102. | 1.0 | 18 |
| 95 | Design, synthesis and anticholinesterase activity of some new Î±-aminobisphosphonates. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 827-835. | 2.5 | 18 |
| 96 | Synthesis, conformational and NQR analysis of phosphoric triamides containing the P(O)[N]3 skeleton. Journal of Molecular Structure, 2012, 1023, 18-24. | 1.8 | 18 |
| 97 | Structures of a novel phosphoric triamide and its organotin(IV) complex. Journal of Organometallic Chemistry, 2013, 745-746, 432-438. | 0.8 | 18 |
| 98 | Nanoparticles of novel organotin(IV) complexes bearing phosphoric triamide ligands. Beilstein Journal of Nanotechnology, 2013, 4, 94-102. | 1.5 | 18 |
| 99 | Nanoparticles of Cadmium Nitrate and Cobalt Nitrate Complexes Bearing Phosphoramide Ligands Designed for Application in Dye Sensitized Solar Cells. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, . | 1.1 | 18 |
| 100 | Big family of nano- and microscale drug delivery systems ranging from inorganic materials to polymeric and stimuli-responsive carriers as well as drug-conjugates. Journal of Drug Delivery Science and Technology, 2021, 66, 102790. | 1.4 | 18 |
| 101 | A Novel Topical Tissue Adhesive Composed of Urethane Prepolymer Modified with Chitosan. International Journal of Polymer Analysis and Characterization, 2011, 16, 609-618. | 0.9 | 17 |
| 102 | Synthesis of a novel 3Â%Ru/CeZr0.5GdO4 nanocatalyst and its application in the dry and steam reforming of methane. International Journal of Environmental Science and Technology, 2016, 13, 423-434. | 1.8 | 17 |
| 103 | Self-cleaning Properties of Nylon 6 Fabrics Treated with Corona and TiO2 Nanoparticles under Both Ultraviolet and Daylight Irradiations. Fibers and Polymers, 2018, 19, 1014-1023. | 1.1 | 17 |
| 104 | Crystal Structure of and ab initio Calculations on [(C6H5)(CH3)CH-NH]- P(O)(p-OC6H4CH3)2, Syntheses and Spectroscopic Characterization of N-Benzyl Phosphoramidic Acid (4-Methylphenyl)ester Derivatives. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2005, 60, 67-74. | 0.3 | 16 |
| 105 | Molecular dynamics simulations on desulfurization of n-octane/thiophene mixture using silica filled polydimethylsiloxane nanocomposite membranes. Modelling and Simulation in Materials Science and Engineering, 2016, 24, 035002. | 0.8 | 16 |
| 106 | Application of RGO/CNT nanocomposite as cathode material in lithium-air battery. Journal of Electroanalytical Chemistry, 2019, 832, 165-173. | 1.9 | 16 |
| 107 | Ab initio calculations on the hydrogen bonding interactions among pseudoephedrinium cation isomers and methacrylic acid. Main Group Chemistry, 2011, 10, 1-16. | 0.4 | 15 |
| 108 | Disperse dyeing and antibacterial properties of nylon and wool fibers using two novel nanosized copper(II) complexes bearing phosphoramide ligands. Arabian Journal of Chemistry, 2017, 10, 944-955. | 2.3 | 15 |

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|---|---|---|---|
| 109 | Synthesis of highly efficient and stable Ni/CexZr1-xGdxO4 and Ni/X-Al2O3 (X = Ce, Zr, Gd, Ce-Zr-Gd) nanocatalysts applied in methane reforming reactions. Ceramics International, 2020, 46, 25122-25135. | 2.3 | 15 |
| 110 | tert-Butylamine functionalized MCM-41 mesoporous nanoparticles as drug carriers for the controlled release of cyclophosphamide anticancer drug. Surfaces and Interfaces, 2021, 22, 100842. | 1.5 | 15 |
| 111 | Hole transport properties of some spiro-based materials for quantum dot sensitized solar devices. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 427, 113810. | 2.0 | 15 |
| 112 | Designing novel spiro compounds as favorable hole transport materials for quantum dot sensitized photovoltaics. Solar Energy, 2022, 236, 548-560. | 2.9 | 15 |
| 113 | The first naphthodiazaphosphorinane in the solid phase; syntheses, spectroscopic studies and X-ray crystallography of some new 1,3,2-diheterophosphorus compounds. Structural Chemistry, 2009, 20, 481-488. | 1.0 | 14 |
| 114 | Antitumor activities of some new 1,3,2-oxaza- and 1,3,2-diazaphosphorinanes against K562, MDA-MB-231, and HepG2 cells. Medicinal Chemistry Research, 2012, 21, 2185-2195. | 1.1 | 14 |
| 115 | Preparation of N,N-p-phenylene bismethacryl amide as a novel cross-link agent for synthesis and characterization of the coreâ€“shell magnetic molecularly imprinted polymer nanoparticles. Journal of Materials Science: Materials in Medicine, 2014, 25, 645-656. | 1.7 | 14 |
| 116 | In vitro antibacterial property assessment of silver nanoparticles synthesized by Falcaria vulgaris aqueous extract against MDR bacteria. Journal of Sol-Gel Science and Technology, 2019, 90, 380-389. | 1.1 | 14 |
| 117 | Boosted performances of mesoscopic perovskite solar cells using LaFeO3 inorganic perovskite nanomaterial. Journal of Electroanalytical Chemistry, 2022, 916, 116376. | 1.9 | 14 |
| 118 | Syntheses and spectroscopic investigation of some cyclophosphazanes: Analysis of pseudo-triplet splitting. Heteroatom Chemistry, 2006, 17, 337-343. | 0.4 | 13 |
| 119 | DFT calculations on the hydrogen bonding interactions between adrenaline and trimethoxysilylpropylamine. Main Group Chemistry, 2012, 11, 275-284. | 0.4 | 13 |
| 120 | Copper-based nanocatalysts for 2-butanol dehydrogenation: Screening and optimization of preparation parameters by response surface methodology. Korean Journal of Chemical Engineering, 2015, 32, 2418-2428. | 1.2 | 13 |
| 121 | Syntheses and Spectroscopic Studies of Some New Diazaphospholes and Diazaphosphorinanes. Crystal Structure of 4. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2005, 60, 1021-1026. | 0.3 | 12 |
| 122 | New 1,3,2-diazaphosphorinanes; synthesis, spectroscopic characterization, X-ray crystallography andab initiocalculations. Main Group Chemistry, 2007, 6, 231-248. | 0.4 | 12 |
| 123 | Cyclophosphamide analogues: synthesis, spectroscopic study, and antitumor activity of diazaphosphorinanes. Medicinal Chemistry Research, 2011, 20, 1287-1293. | 1.1 | 12 |
| 124 | Synthesis, Xâ€ray Crystallography, and DFT Calculations of A Novel Phosphoramide. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2945-2955. | 0.6 | 12 |
| 125 | Surface passivation boosted performances of perovskite solar cells assembled under ambient conditions. Optical Materials, 2022, 131, 112746. | 1.7 | 12 |
| 126 | Synthesis, Spectroscopy, X-ray Crystallography, and DFT Computations of Nanosized Phosphazenes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 967-978. | 0.6 | 11 |

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| 127 | Smart pH-responsive drug release systems based on functionalized chitosan nanocomposite hydrogels. Surfaces and Interfaces, 2022, 29, 101739. | 1.5 | 11 |
| 128 | Synthesis and Crystal Structure of 5,5-Dimethyl-2-(p-methylanilino)-2-oxo-1,3,2-diazaphosphorinane. Analytical Sciences: X-ray Structure Analysis Online, 2005, 21, X55-X56. | 0.1 | 10 |
| 129 | Phosphorus heterocycles: synthesis, spectroscopic study and X-ray crystallography of some new diazaphosphorinanes. Structural Chemistry, 2007, 18, 653-660. | 1.0 | 10 |
| 130 | Acetylcholinesterase Inhibition by Diaza- and Dioxophosphole Compounds: Synthesis and Determination of IC50Values. Journal of Enzyme Inhibition and Medicinal Chemistry, 2004, 19, 403-407. | 2.5 | 9 |
| 131 | Polysaccharide hydrogel films/membranes for transdermal delivery of therapeutics. , 2019, , 639-684. | | 9 |
| 132 | A review on surface modification methods of poly(arylsulfone) membranes for biomedical applications. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 906-965. | 1.9 | 9 |
| 133 | Graft copolymerization of methacrylic acid monomers onto polypropylene fibers. Chemical Industry and Chemical Engineering Quarterly, 2014, 20, 87-96. | 0.4 | 8 |
| 134 | Substituent Effects on the Spectroscopic and Structural Parameters of Several New 1,3,2-Diazaphosphorinanes. Syntheses, Spectroscopic Characterization, and X-ray Crystallography. Bulletin of the Chemical Society of Japan, 2006, 79, 1604-1606. | 2.0 | 7 |
| 135 | Improvement of polyacrylonitrile ultrafiltration membranes' properties using decane-functionalized reduced graphene oxide nanoparticles. Water Science and Technology: Water Supply, 2016, 16, 1378-1387. | 1.0 | 7 |
| 136 | Biopolymeric Nanocomposites in Drug Delivery. Advances in Material Research and Technology, 2020, , 233-290. | 0.3 | 7 |
| 137 | Effect of zeolitic metalâ€“organic framework on thermal, mechanical, and electrical properties of Ca/Znâ€stabilized polyvinyl chloride. Journal of Vinyl and Additive Technology, 2021, 27, 497-507. | 1.8 | 7 |
| 138 | Investigation of the effect of mesoporous diatomaceous earth particles on RATRP of styrene and butyl acrylate. Journal of Thermoplastic Composite Materials, 2019, 32, 248-266. | 2.6 | 6 |
| 139 | Phosphoramidates: Synthesis, spectroscopy, and Xâ€Ray crystallography. Heteroatom Chemistry, 2012, 23, 478-485. | 0.4 | 5 |
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