Zahra Shariatinia

List of Publications by Year
in descending order

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167 papers	7,136 citations	38742 50 h-index	69250 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.	7.5	455
2	Pharmaceutical applications of chitosan. Advances in Colloid and Interface Science, 2019, 263, 131-194.	14.7	391
3	Chitosan-based hydrogels: Preparation, properties and applications. International Journal of Biological Macromolecules, 2018, 115, 194-220.	7.5	230
4	Antibacterial electrospun chitosanâ€“polyethylene oxide nanocomposite mats containing bioactive silver nanoparticles. Carbohydrate Polymers, 2016, 140, 287-298.	10.2	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.	3.7	188
6	Antibacterial electrospun chitosan-polyethylene oxide nanocomposite mats containing ZIF-8 nanoparticles. International Journal of Biological Macromolecules, 2016, 91, 778-788.	7.5	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.	4.4	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.	12.7	130
9	Mechanical properties and antibacterial activities of novel nanobiocomposite films of chitosan and starch. Food Hydrocolloids, 2015, 46, 112-124.	10.7	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.	2.4	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.	20.2	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.	9.4	120
13	Controllable Synthesis of Mesoporous Sulfur-Doped Carbon Nitride Materials for Enhanced Visible Light Photocatalytic Degradation. Langmuir, 2017, 33, 7062-7078.	3.5	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.	9.4	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.	7.3	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.	10.7	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.	1.7	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.	6.1	87

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19	Flame retardant cotton fibers produced using novel synthesized halogen-free phosphoramide nanoparticles. Carbohydrate Polymers, 2015, 118, 183-198.	10.2	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.	7.5	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.	16.4	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.	7.9	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.	12.7	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.	4.9	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.	5.6	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.	12.4	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.	4.4	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.	8.2	74
29	Operation Mechanism of Perovskite Quantum Dot Solar Cells Probed by Impedance Spectroscopy. ACS Energy Letters, 2019, 4, 251-258.	17.4	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.	5.8	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.	2.4	69
32	Facile synthesis of NiS₂ 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.	10.3	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.	7.5	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.	5.2	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.	3.7	64
36	Applications of zeolitic imidazolate framework-8 (ZIF-8) in bone tissue engineering: A review. Tissue and Cell, 2021, 72, 101588.	2.2	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.	5.2	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.	2.0	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.	4.2	63
40	Antibacterial activities of novel nanocomposite biofilms of chitosan/phosphoramide/Ag NPs. Polymer Composites, 2015, 36, 454-466.	4.6	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.	4.9	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.	3.1	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.	2.4	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.	4.9	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.	3.6	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.	3.9	58
47	Synthesis and antibacterial activities of novel nanocomposite films of chitosan/phosphoramide/Fe3O4 NPs. International Journal of Biological Macromolecules, 2013, 60, 226-234.	7.5	58
48	Enhanced efficiency of quantum dot sensitized solar cells using Cu2O/TiO2 nanocomposite photoanodes. Journal of Alloys and Compounds, 2018, 737, 99-112.	5.5	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.	2.2	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.	5.2	55
51	Dye sensitized solar cells go beyond using perovskite and spinel inorganic materials: A review. Renewable and Sustainable Energy Reviews, 2022, 157, 112047.	16.4	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.	1.2	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.	2.2	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.	12.7	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.	6.1	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.	2.7	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.	3.6	42
58	New phosphoric triamides: Chlorine substituents effects and polymorphism. Heteroatom Chemistry, 2010, 21, 168-180.	0.7	41
59	Fabrication of CdS quantum dot sensitized solar cells using nitrogen functionalized CNTs/TiO2 nanocomposites. Diamond and Related Materials, 2018, 81, 1-15.	3.9	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.	2.2	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.	6.4	39
62	Dye sensitized solar cells fabricated based on nanocomposite photoanodes of TiO2 and AlMo0.5O3 perovskite nanoparticles. Solar Energy, 2021, 218, 435-444.	6.1	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.	4.8	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.	1.8	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.	7.1	33
66	Corrosion inhibition efficiency of some phosphoramide derivatives: DFT computations and MD simulations. Journal of Molecular Liquids, 2019, 292, 111409.	4.9	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.	6.1	28
69	The RGD tripeptide anticancer drug carrier: DFT computations and molecular dynamics simulations. Journal of Molecular Liquids, 2019, 281, 565-583.	4.9	27
70	Novel organotin(IV) complexes of organophosphorus ligands: Synthesis, spectroscopic, structural study and DFT calculations. Journal of Organometallic Chemistry, 2012, 715, 82-92.	1.8	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.	3.8	26
72	Hybrid silica aerogel nanocomposite adsorbents designed for Cd(II) removal from aqueous solution. Water Environment Research, 2019, 91, 1624-1637.	2.7	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.	4.9	26
74	Designing novel anticancer drug release vehicles based on mesoporous functionalized MCM-41 nanoparticles. Journal of Molecular Structure, 2021, 1242, 130754.	3.6	25
75	Syntheses, crystal structures and dynamic¹H NMR study of diastereotopic CH₂protons in several new phosphoric triamides. Main Group Chemistry, 2006, 5, 95-109.	0.8	24
76	Structural diversity in phosphoramidateâ€™s chemistry: Syntheses, spectroscopic and X-ray crystallography studies. Polyhedron, 2009, 28, 307-321.	2.2	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.	5.6	24
78	Molecular dynamics simulations on chitosan/graphene nanocomposites as anticancer drug delivery using systems. Chinese Journal of Physics, 2020, 66, 362-382.	3.9	24
79	Polymorphism for a novel phosphoramidate; NMR and X-ray crystallography. Structural Chemistry, 2010, 21, 629-636.	2.0	23
80	Hydrogen bonding interactions between Î±-, Î²-glucose, and methacrylic acid. Structural Chemistry, 2011, 22, 1347-1352.	2.0	23
81	Thermal decomposition kinetics of electrospun azidodeoxy cellulose nitrate and polyurethane nanofibers. Journal of Thermal Analysis and Calorimetry, 2015, 119, 281-290.	3.6	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.	5.2	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.	5.4	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.	1.2	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.	2.9	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.	5.5	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.	5.2	20
89	Polycaprolactone nanocomposite systems used to deliver ifosfamide anticancer drug: molecular dynamics simulations. Structural Chemistry, 2019, 30, 863-876.	2.0	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.	4.8	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.	1.2	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.	5.2	19
93	Desulfurization efficiency of polydimethylsiloxane/silica nanoparticle nanocomposite membranes: MD simulations. Computational Materials Science, 2017, 139, 115-124.	3.0	19
94	Syntheses, spectroscopic study and crystal structures of some new N-benzoylphosphoric triamides. Structural Chemistry, 2007, 18, 95-102.	2.0	18
95	Design, synthesis and anticholinesterase activity of some new Î±-aminobisphosphonates. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 827-835.	5.2	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.	3.6	18
97	Structures of a novel phosphoric triamide and its organotin(IV) complex. Journal of Organometallic Chemistry, 2013, 745-746, 432-438.	1.8	18
98	Nanoparticles of novel organotin(IV) complexes bearing phosphoric triamide ligands. Beilstein Journal of Nanotechnology, 2013, 4, 94-102.	2.8	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, .	1.8	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.	3.0	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.	1.9	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.	3.5	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.	2.1	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.	0.7	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.	2.0	16
106	Application of RGO/CNT nanocomposite as cathode material in lithium-air battery. Journal of Electroanalytical Chemistry, 2019, 832, 165-173.	3.8	16
107	Ab initio calculations on the hydrogen bonding interactions among pseudoephedrinium cation isomers and methacrylic acid. Main Group Chemistry, 2011, 10, 1-16.	0.8	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.	4.9	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.	4.8	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.	3.0	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.	3.9	15
112	Designing novel spiro compounds as favorable hole transport materials for quantum dot sensitized photovoltaics. Solar Energy, 2022, 236, 548-560.	6.1	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.	2.0	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.	2.4	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.	3.6	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.	2.4	14
117	Boosted performances of mesoscopic perovskite solar cells using LaFeO3 inorganic perovskite nanomaterial. Journal of Electroanalytical Chemistry, 2022, 916, 116376.	3.8	14
118	Syntheses and spectroscopic investigation of some cyclophosphazanes: Analysis of pseudo-triplet splitting. Heteroatom Chemistry, 2006, 17, 337-343.	0.7	13
119	DFT calculations on the hydrogen bonding interactions between adrenaline and trimethoxysilylpropylamine. Main Group Chemistry, 2012, 11, 275-284.	0.8	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.	2.7	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.	0.7	12
122	New 1,3,2-diazaphosphorinanes; synthesis, spectroscopic characterization, X-ray crystallography andab initiocalculations. Main Group Chemistry, 2007, 6, 231-248.	0.8	12
123	Cyclophosphamide analogues: synthesis, spectroscopic study, and antitumor activity of diazaphosphorinanes. Medicinal Chemistry Research, 2011, 20, 1287-1293.	2.4	12
124	Synthesis, Xâ€ray Crystallography, and DFT Calculations of A Novel Phosphoramide. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2945-2955.	1.2	12
125	Surface passivation boosted performances of perovskite solar cells assembled under ambient conditions. Optical Materials, 2022, 131, 112746.	3.6	12
126	Synthesis, Spectroscopy, X-ray Crystallography, and DFT Computations of Nanosized Phosphazenes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 967-978.	1.2	11

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127	Smart pH-responsive drug release systems based on functionalized chitosan nanocomposite hydrogels. Surfaces and Interfaces, 2022, 29, 101739.	3.0	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.	2.0	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.	5.2	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.	3.5	9
133	Graft copolymerization of methacrylic acid monomers onto polypropylene fibers. Chemical Industry and Chemical Engineering Quarterly, 2014, 20, 87-96.	0.7	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.	3.2	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.	2.1	7
136	Biopolymeric Nanocomposites in Drug Delivery. Advances in Material Research and Technology, 2020, , 233-290.	0.6	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.	3.4	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.	4.2	6
139	Phosphoramidates: Synthesis, spectroscopy, and Xâ€Ray crystallography. Heteroatom Chemistry, 2012, 23, 478-485.	0.7	5
140	Perovskite solar cells as modern nano tools and devices in solar power energy. , 2021, , 377-427.		5
141	4-Carbamoylpyridinium dihydrogen phosphate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4027-o4027.	0.2	4
142	N-2,4-dichlorobenzoyl phosphoric triamides: Synthesis, spectroscopic and X-ray crystallography studies. Journal of Chemical Sciences, 2010, 122, 549-559.	1.5	4
143	Spectroscopic characterization and Ab initio calculations of new diazaphosphole and diazaphosphorinane. Journal of Structural Chemistry, 2011, 52, 287-294.	1.0	4
144	Biodegradable Polymer Nanobiocomposite Packaging Materials. , 2019, , 191-241.		4

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145	Applications of carbon nanotubes. , 2021, , 321-364.		4
146	A nanohybrid of mixed ferrite â€“ polyaniline derivative copolymer for efficient adsorption of lead ions: Design of experiment for optimal condition, kinetic and isotherm study. , 0, 66, 338-345.		4
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