

# Rahmatollah Rahimi

## List of Publications by Year in descending order

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131  
papers

3,036  
citations

159358

30  
h-index

223531

46  
g-index

135  
all docs

135  
docs citations

135  
times ranked

3786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the catalytic activity of nano-sized CuO, Co <sub>3</sub> O <sub>4</sub> and CuCo <sub>2</sub> O <sub>4</sub> powders on thermal decomposition of ammonium perchlorate. <i>Powder Technology</i> , 2012, 217, 330-339.	2.1	250
2	Synthesis, characterization and adsorbing properties of hollow Zn-Fe <sub>2</sub> O <sub>4</sub> nanospheres on removal of Congo red from aqueous solution. <i>Desalination</i> , 2011, 280, 412-418.	4.0	161
3	Visible light photocatalytic disinfection of E. coli with TiO <sub>2</sub> @graphene nanocomposite sensitized with tetrakis(4-carboxyphenyl)porphyrin. <i>Applied Surface Science</i> , 2015, 355, 1098-1106.	3.1	100
4	Efficient oxidation and epoxidation using a chromium(VI)-based magnetic nanocomposite. <i>Environmental Chemistry Letters</i> , 2016, 14, 195-199.	8.3	94
5	Biscoumarin-1,2,3-triazole hybrids as novel anti-diabetic agents: Design, synthesis, in vitro Î±-glucosidase inhibition, kinetic, and docking studies. <i>Bioorganic Chemistry</i> , 2019, 92, 103206.	2.0	70
6	Synthesis, characterization, and photocurrent generation of a new nanocomposite based Cu@TCPP MOF and ZnO nanorod. <i>RSC Advances</i> , 2015, 5, 46624-46631.	1.7	68
7	Steric and inductive effects on the basicity of porphyrins and on the site of protonation of porphyrin dianions: radiolytic reduction of porphyrins and metalloporphyrins to chlorins or phlorins. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 495.	1.7	64
8	Porous p-NiO/n-Nb <sub>2</sub> O <sub>5</sub> nanocomposites prepared by an EISA route with enhanced photocatalytic activity in simultaneous Cr(VI) reduction and methyl orange decolorization under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2015, 286, 64-74.	6.5	58
9	Porphyrinic zirconium-based MOF with exposed pyrrole Lewis base site as an efficient fluorescence sensing for Hg <sup>2+</sup> ions, DMF small molecule, and adsorption of Hg <sup>2+</sup> ions from water solution. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121277.	1.4	56
10	Preparation and characterization of a novel tetrakis(4-hydroxyphenyl)porphyrin@graphene oxide nanocomposite and application in an optical sensor and determination of mercury ions. <i>RSC Advances</i> , 2015, 5, 93310-93317.	1.7	50
11	Sonochemically synthesized microporous metal-organic framework representing unique selectivity for detection of Fe <sup>3+</sup> ions. <i>Polyhedron</i> , 2019, 159, 251-258.	1.0	49
12	Synthesis and characterization of magnetic dichromate hybrid nanomaterials with triphenylphosphine surface modified iron oxide nanoparticles (Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @PPh <sub>3</sub> @Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> ). <i>Solid State Sciences</i> , 2014, 28, 9-13.	1.5	48
13	Study on porphyrin/ZnFe <sub>2</sub> O <sub>4</sub> @polythiophene nanocomposite as a novel adsorbent and visible light driven photocatalyst for the removal of methylene blue and methyl orange. <i>Materials Research Bulletin</i> , 2018, 103, 133-141.	2.7	48
14	Removal of Hg <sup>2+</sup> heavy metal ion using a highly stable mesoporous porphyrinic zirconium metal-organic framework. <i>Inorganica Chimica Acta</i> , 2020, 501, 119264.	1.2	47
15	Conducting, magnetic polyaniline/Ba <sub>0.25</sub> Sr <sub>0.75</sub> Fe <sub>11</sub> (Ni <sub>0.5</sub> Mn <sub>0.5</sub> )O <sub>19</sub> nanocomposite: Fabrication, characterization and application. <i>Journal of Alloys and Compounds</i> , 2015, 646, 1157-1164.	2.8	45
16	Synthesis and characterization of magnetic bromochromate hybrid nanomaterials with triphenylphosphine surface-modified iron oxide nanoparticles and their catalytic application in multicomponent reactions. <i>RSC Advances</i> , 2014, 4, 29765.	1.7	44
17	Porphyrinic zirconium-based MOF with exposed pyrrole Lewis base site as a luminescent sensor for highly selective sensing of Cd <sup>2+</sup> and Br <sup>-</sup> ions and THF small molecule. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121103.	1.4	44
18	Investigation of the anchoring silane coupling reagent effect in porphyrin sensitized mesoporous V-TiO <sub>2</sub> on the photodegradation efficiency of methyl orange under visible light irradiation. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 420-429.	1.1	42

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19	Synthesis of TCPP/ZnFe <sub>2</sub> O <sub>4</sub> @ZnO nanohollow sphere composite for degradation of methylene blue and 4-nitrophenol under visible light. <i>Materials Chemistry and Physics</i> , 2016, 179, 35-41.	2.0	42
20	Photocatalytic degradation of <i>p</i> -nitrophenol and methylene blue using Zn-TCPP/Ag doped mesoporous TiO <sub>2</sub> under UV and visible light irradiation. <i>Desalination and Water Treatment</i> , 2016, 57, 25848-25856.	1.0	41
21	Enhanced visible light photocurrent response and photodegradation efficiency over TiO <sub>2</sub> @graphene nanocomposite pillared with tin porphyrin. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 310-321.	5.0	40
22	Effect of annealing treatment on electrical and optical properties of Nb doped TiO <sub>2</sub> thin films as a TCO prepared by sol-gel spin coating method. <i>Applied Surface Science</i> , 2014, 316, 456-462.	3.1	39
23	Copper ferrite-polyaniline nanocomposite: Structural, thermal, magnetic and dye adsorption properties. <i>Solid State Sciences</i> , 2019, 93, 95-100.	1.5	37
24	Oxidation of benzyl alcohols to the corresponding carbonyl compounds catalyzed by copper (II) meso-tetra phenyl porphyrin as cytochrome P-450 model reaction. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1561-1568.	1.8	36
25	Degradation of methylene blue via Co@TiO <sub>2</sub> nano powders modified by meso-tetra(carboxyphenyl)porphyrin. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 351-357.	1.1	36
26	Synthesis, characterization and microwave absorbing properties of the novel ferrite nanocomposites. <i>Journal of Alloys and Compounds</i> , 2012, 542, 43-50.	2.8	35
27	Mesoporous nanostructures of Nb <sub>2</sub> O <sub>5</sub> obtained by an EISA route for the treatment of malachite green dye-contaminated aqueous solution under UV and visible light irradiation. <i>Ceramics International</i> , 2014, 40, 9817-9829.	2.3	35
28	Photocatalytic application of hollow CuO microspheres with hierarchical dandelion-like structures synthesized by a simple template free approach. <i>Materials Letters</i> , 2014, 119, 39-42.	1.3	33
29	Synthesis and characterization of copper porphyrin into SBA-16 through a ship in a bottle method: A catalyst for photo oxidation reaction under visible light. <i>Solid State Sciences</i> , 2015, 46, 7-13.	1.5	32
30	Preparation and photocatalytic application of Zn Fe <sub>2</sub> O <sub>4</sub> @ZnO core-shell nanostructures. <i>Superlattices and Microstructures</i> , 2015, 85, 497-503.	1.4	31
31	Selective adsorption of organic dye methylene blue by Cs <sub>4</sub> H <sub>2</sub> PMo <sub>11</sub> FeO <sub>40</sub> ·6H <sub>2</sub> O in presence of methyl orange and Rhodamine-B. <i>Journal of Molecular Structure</i> , 2017, 1146, 113-118.	1.8	31
32	Effect of Nb on the structural, optical and photocatalytic properties of Al-doped ZnO thin films fabricated by the sol-gel method. <i>Ceramics International</i> , 2018, 44, 20170-20177.	2.3	31
33	First catalytic application of metal complexes of porpholactone and dihydroxychlorin in the sulfoxidation reaction. <i>Catalysis Communications</i> , 2009, 11, 232-235.	1.6	30
34	New 1,2,3,4-tetrazole (thio)barbituric acid hybrids as urease inhibitors: Design, synthesis, in vitro urease inhibition, docking study, and molecular dynamic simulation. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000023.	2.1	29
35	Preparation of a nanocomposite of magnetic, conducting nanoporous polyaniline and hollow manganese ferrite. <i>Polymer Journal</i> , 2011, 43, 745-750.	1.3	28
36	Comparison of photocatalysis degradation of 4-nitrophenol using N,S co-doped TiO <sub>2</sub> nanoparticles synthesized by two different routes. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 17-26.	1.1	27

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37	Rapid and efficient ultrasonic-assisted removal of lead(II) in water using two copper- and zinc-based metal-organic frameworks. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107474.	1.8	27
38	Investigation of the synergistic effect of porphyrin photosensitizer on graphene@TiO <sub>2</sub> nanocomposite for visible light photoactivity improvement. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 642-652.	1.3	26
39	A magnetic ZnFe <sub>2</sub> O <sub>4</sub> /ZnO/perlite nanocomposite for photocatalytic degradation of organic pollutants under LED visible light irradiation. <i>Solid State Sciences</i> , 2019, 89, 167-171.	1.5	26
40	An efficient visible light photocatalyst based on tin porphyrin intercalated between TiO <sub>2</sub> @graphene nanosheets for inactivation of E. coli and investigation of charge transfer mechanism. <i>RSC Advances</i> , 2016, 6, 24218-24228.	1.7	25
41	A reliable method for prediction of enthalpy of fusion in energetic materials using their molecular structures. <i>Fluid Phase Equilibria</i> , 2016, 427, 46-55.	1.4	24
42	BiVO <sub>4</sub> /Mn <sub>3</sub> O <sub>4</sub> a novel p-n heterojunction photocatalyst functionalized with metalloporphyrins: Synthesis, charge transfer mechanism, and enhanced visible-light photocatalysis for degradation of dye pollutant. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1439-1448.	1.3	24
43	Fabrication of novel magnetic ZnO hollow spheres/pumice nanocomposites for photodegradation of Rhodamine B under visible light irradiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114863.	1.7	24
44	A porous Ni-based metal-organic framework as a selective luminescent probe to Fe <sup>3+</sup> metal ion and MeOH. <i>Inorganica Chimica Acta</i> , 2019, 495, 118956.	1.2	23
45	Cu (II)-porphyrin metal-organic framework/graphene oxide: synthesis, characterization, and application as a pH-responsive drug carrier for breast cancer treatment. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 689-704.	1.1	23
46	The effect of solvents and the thickness on structural, optical and electrical properties of ITO thin films prepared by a sol-gel spin-coating process. <i>Journal of Nanostructure in Chemistry</i> , 2014, 4, 1.	5.3	22
47	Two novel correlations for assessment of crystal density of hazardous ionic molecular energetic materials using their molecular structures. <i>Fluid Phase Equilibria</i> , 2015, 402, 1-8.	1.4	22
48	Synthesis of Fe <sub>3</sub> O <sub>4</sub> nonoparticles via a fast and facile mechanochemical method: Modification of surface with porphyrin and photocatalytic study. <i>Materials Letters</i> , 2016, 166, 247-250.	1.3	22
49	Design and synthesis of 4,5-diphenyl-imidazol-1,2,3-triazole hybrids as new anti-diabetic agents: in vitro $\alpha$ -glucosidase inhibition, kinetic and docking studies. <i>Molecular Diversity</i> , 2021, 25, 877-888.	2.1	21
50	The study of cellulosic fabrics impregnated with porphyrin compounds for use as photo-bactericidal polymers. <i>Materials Science and Engineering C</i> , 2016, 59, 661-668.	3.8	20
51	Immobilized metalloporphyrins on 3-aminopropyl-functionalized silica support as heterogeneous catalysts for selective oxidation of primary and secondary alcohols. <i>Monatshefte für Chemie</i> , 2012, 143, 1031-1038.	0.9	19
52	Mineral contents of some plants used in Iran. <i>Pharmacognosy Research (discontinued)</i> , 2010, 2, 267.	0.3	18
53	Fluorine-doped TiO <sub>2</sub> nanoparticles sensitized by tetra(4-carboxyphenyl)porphyrin and zinc tetra(4-carboxyphenyl)porphyrin: Preparation, characterization, and evaluation of photocatalytic activity. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1341-1348.	1.3	18
54	Synthesis of TCPP@Fe <sub>3</sub> O <sub>4</sub> @S/RGO and its application for purification of water. <i>Research on Chemical Intermediates</i> , 2016, 42, 5441-5455.	1.3	18

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55	Synthesis and photocatalytic activity of V-doped mesoporous TiO <sub>2</sub> photosensitized with porphyrin supported by SBA-15. <i>Research on Chemical Intermediates</i> , 2016, 42, 3441-3458.	1.3	18
56	Photooxidation of benzyl alcohols and photodegradation of cationic dyes by Fe <sub>3</sub> O <sub>4</sub> @sulfur/reduced graphene oxide as catalyst. <i>RSC Advances</i> , 2016, 6, 41156-41164.	1.7	17
57	Synthesis and characterization of a new magnetic nanocomposite with metalloporphyrin (Co-TPyP) and sulfated tin dioxide (Fe <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> /SO <sub>4</sub> <sup>2-</sup> ), and investigation of its photocatalytic effects in the degradation of Rhodamine B. <i>RSC Advances</i> , 2016, 6, 83947-83953.	1.7	17
58	Surface-Active Properties of Solvent-Extracted <i>Panax ginseng</i> Saponin-Based Surfactants. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 609-614.	1.0	17
59	Ring reduction of [N-methyltetrakis(4-sulfonatophenyl)porphinato]cobalt(II), -nickel(II), and -copper(II) and subsequent methyl group migration. Reversible reaction between methyl radicals and NiITSP. <i>Inorganic Chemistry</i> , 1992, 31, 4849-4853.	1.9	16
60	Zeolite-immobilized Mn(III), Fe(III) and Co(III) complexes with 5,10,15,20-tetra(4-methoxyphenyl)porphyrin as heterogeneous catalysts for the epoxidation of (R)-(+)-limonene: synthesis, characterization and catalytic activity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 107, 215-229.	0.8	16
61	Influence of operational key parameters on the photocatalytic decolorization of Rhodamine B dye using Fe <sup>2+</sup> /H <sub>2</sub> O <sub>2</sub> /Nb <sub>2</sub> O <sub>5</sub> /UV system. <i>Environmental Science and Pollution Research</i> , 2014, 21, 5121-5131.	2.7	16
62	Hybridization of Nanoclay with a Chromium-Based Metal-Organic Framework for Boosting Adsorption of Organic Dyes from Wastewater. <i>ChemistrySelect</i> , 2022, 7, .	0.7	16
63	Preparation, Characterization and Photocatalytic Properties of Ba-Cd-Sr-Ti Doped Fe <sub>3</sub> O <sub>4</sub> Nanohollow Spheres on Removal of Congo Red Under Visible-Light Irradiation. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 219-228.	0.8	15
64	Effect of pyrolysis temperature on the electrical, optical, structural, and morphological properties of ITO thin films prepared by a sol-gel spin coating process. <i>Microelectronic Engineering</i> , 2014, 130, 40-45.	1.1	15
65	Synthesis of 5,10,15,20-tetrakis[4-(naphthalen-2-yl)oxycarbonyl]phenyl]porphyrin (TNBP) and its complexes with zinc and cobalt and an investigation of the photocatalytic activity of nanoFe <sub>3</sub> O <sub>4</sub> @ZrO <sub>2</sub> -TNBP. <i>RSC Advances</i> , 2015, 5, 60172-60178.	1.7	15
66	Preparation and characterization of a new surface-modified dichromate/triethylamine/silica/iron oxide magnetic hybrid nanomaterial. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 191-196.	1.2	15
67	Improvement of Power Conversion Efficiency of Quantum Dot-Sensitized Solar Cells by Doping of Manganese into a ZnS Passivation Layer and Cosensitization of Zinc-Porphyrin on a Modified Graphene Oxide/Nitrogen-Doped TiO <sub>2</sub> Photoanode. <i>ACS Omega</i> , 2020, 5, 11024-11034.	1.6	15
68	Ultrasound-assisted preparation nanostructures of Cu <sub>2</sub> (BDC) <sub>2</sub> (BPY)-MOF: Highly selective and sensitive luminescent sensing of THF small molecule and Cu <sup>2+</sup> and Pb <sup>2+</sup> ions. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121397.	1.4	15
69	Immobilized metalloporphyrins in mesoporous MCM-48 as efficient and selective heterogeneous catalysts for oxidation of cyclohexene. <i>Monatshfte für Chemie</i> , 2013, 144, 597-603.	0.9	14
70	Synthesis, characterization and morphology of new magnetic fluorochromate hybrid nanomaterials with triethylamine surface modified iron oxide nanoparticles. <i>Synthetic Metals</i> , 2014, 194, 11-18.	2.1	14
71	SnTCPP-modified ZnO nanorods prepared via a simple co-precipitation method: application as a new photocatalyst for photodegradation and photoreduction processes. <i>Research on Chemical Intermediates</i> , 2016, 42, 4697-4714.	1.3	14
72	Novel Design, Preparation, Characterization and Antimicrobial Activity of Silver Nanoparticles during Oak Acorns Bark Retrograde. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 209-221.	1.4	14

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73	Novel and efficient synthesis of triazolobenzodiazepine analogues through the sequential Ugi 4CR-click-N-arylation reactions. <i>Tetrahedron Letters</i> , 2019, 60, 583-585.	0.7	14
74	Magnetic silica nanoparticle-supported copper complex as an efficient catalyst for the synthesis of novel triazolopyrazinylacetamides with improved antibacterial activity. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 488-494.	0.6	14
75	Antibacterial Photoactivity and Thermal Stability of Tetra $\mu$ -cationic Porphyrins Immobilized on Cellulosic Fabrics. <i>Photochemistry and Photobiology</i> , 2021, 97, 385-397.	1.3	13
76	Application of Porphyrin Modified SBA-15 in Adsorption of Lead Ions from Aqueous Media. <i>Oriental Journal of Chemistry</i> , 2015, 31, 1537-1544.	0.1	13
77	Efficient photo-oxidation of phenol and photo-inactivation of bacteria by cationic tetrakis(trimethylanilinium)porphyrins. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 1099-1105.	1.0	12
78	Catalytic oxidation of primary and secondary alcohols over a novel TCPP/Zn $\mu$ -Fe $\mu$ O $\mu$ @ZnO catalyst. <i>RSC Advances</i> , 2015, 5, 99640-99645.	1.7	12
79	Preparation of a new adsorbent expanded perlite@ZnO@reduced graphene oxide for the synergistic photocatalytic adsorption removal of organic pollutants. <i>New Journal of Chemistry</i> , 2017, 41, 8011-8015.	1.4	12
80	Photocatalytic application of BiFeO <sub>3</sub> synthesized via a facile microwave-assisted solution combustion method. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 340-346.	1.1	12
81	A novel and green heterogeneous photocatalytic system (Ca <sub>0.01</sub> Fe <sub>2.99</sub> O <sub>4</sub> /CaTiO <sub>3</sub> nanocomposite): Protocol synthesis, characterization, and study of photo-decoloration activity. <i>Materials Chemistry and Physics</i> , 2021, 259, 124062.	2.0	12
82	Prediction of the Density of Energetic Materials on the Basis of their Molecular Structures. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 73-101.	0.5	12
83	Preparation of magnetic fluorochromate hybrid nanomaterials with triphenylphosphine surface modified iron oxide nanoparticles and their characterization. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 355, 300-305.	1.0	11
84	Enhanced photobactericidal activity of ZnO nanorods modified by meso-tetrakis(4-sulfonatophenyl)porphyrin under visible LED lamp irradiation. <i>Water Science and Technology</i> , 2015, 71, 1249-1254.	1.2	11
85	Synthesis and characterization of benzilic alcohol metalloporphyrin and its nanocomposite with graphene oxide (GO $\mu$ -CoTHMP) and investigation of their efficiency in the removal of environmental pollutants. <i>RSC Advances</i> , 2016, 6, 62916-62922.	1.7	11
86	Synthesis of Bi <sub>2</sub> WO <sub>6</sub> nanoplates using oleic acid as a green capping agent and its application for thiols oxidation. <i>Journal of Nanostructure in Chemistry</i> , 2016, 6, 191-196.	5.3	11
87	Design, Facile Synthesis and Characterization of Porphyrin-Zirconium-Ferrite@SiO <sub>2</sub> Core-Shell and Catalytic Application in Cyclohexane Oxidation. <i>Silicon</i> , 2021, 13, 451-465.	1.8	11
88	Comparison of photocatalytic activity of ZnO, Ag-ZnO, Cu-ZnO, Ag, Cu-ZnO and TPPS/ZnO for the degradation of methylene blue under UV and visible light irradiation. <i>Water Science and Technology</i> , 2021, 84, 1813-1825.	1.2	11
89	Fabrication and application of copper metal $\mu$ -organic frameworks as nanocarriers for pH-responsive anticancer drug delivery. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2727-2737.	1.2	11
90	ACID CATALYZED SOLVOLYSIS KINETICS OF ZINC(II), COBALT(II), COPPER(II) AND NICKEL(II)N-METHYL-TETRA-(4-SULFONATOPHENYL)PORPHYRINS. <i>Journal of Coordination Chemistry</i> , 1995, 34, 283-288.	0.8	10

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91	Synthesis and characterization of a new magnetic bromochromate hybrid nanomaterial with triethylamine surface modified iron oxide nanoparticles. <i>Chinese Chemical Letters</i> , 2014, 25, 919-922.	4.8	10
92	Surfactant-Free Hydrothermal Synthesis of Mesoporous Niobia Samples and Their Photoinduced Decomposition of Terephthalic Acid (TPA). <i>Journal of Cluster Science</i> , 2014, 25, 651-666.	1.7	10
93	Synthesis of mesoporous NiO/Bi <sub>2</sub> WO <sub>6</sub> nanocomposite for selective oxidation of alcohols. <i>Solid State Sciences</i> , 2020, 107, 106306.	1.5	10
94	Ultrasonic Method for the Preparation of Organic Porphyrin Nanoparticles. <i>Molecules</i> , 2010, 15, 280-287.	1.7	9
95	Copper Supported onto Magnetic Nanoparticles as an Efficient Catalyst for the Synthesis of Triazolobenzodiazepino[7,1 <i>b</i> ]quinazolin-1(9 <i>H</i> )-ones via Click N-Arylation Reactions. <i>ChemistrySelect</i> , 2021, 6, 1385-1392.	0.7	9
96	Photocatalytic treatment of wastewater containing Rhodamine B dye via Nb <sub>2</sub> O <sub>5</sub> nanoparticles: effect of operational key parameters. <i>Desalination and Water Treatment</i> , 2015, 56, 181-193.	1.0	8
97	Synthesis of aluminum alloy (AA) based composites TiO <sub>2</sub> /Al <sub>5</sub> O <sub>8</sub> 3 and porphyrin/TiO <sub>2</sub> /Al <sub>5</sub> O <sub>8</sub> 3: Novel photocatalysts for water remediation in visible region. <i>Inorganic Chemistry Communication</i> , 2021, 126, 108486.	1.8	8
98	Bis(2,6-dimethylpyridinium) hexachloridoplatinate(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1143-m1144.	0.2	7
99	Investigation of the properties of conductive hydrogel composite containing Zn particles. <i>Journal of Applied Polymer Science</i> , 2012, 126, 436-441.	1.3	7
100	Design and development of new preparation methods and catalytic activities of a magnetic ZrFe <sub>2</sub> O <sub>4</sub> nanostructure. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1659-1670.	1.2	7
101	QSPR model for estimation of photodegradation average rate of the porphyrin-TiO <sub>2</sub> complexes and prediction of their biodegradation activity and toxicity: Engineering of two annihilators for water/waste contaminants. <i>Journal of Molecular Structure</i> , 2022, 1249, 131463.	1.8	7
102	La(III) and Eu(III) 2-D coordination polymers of 5-nitroisophthalic acid (H <sub>2</sub> Nip) and 1,10-phenanthroline (phen), [M(phen)(HNip)(Nip)] <sub>n</sub> . <i>Journal of Coordination Chemistry</i> , 2009, 62, 3921-3929.	0.8	6
103	Synthesis of Mesoporous V-TiO <sub>2</sub> with Different Surfactants: The Effect of Surfactant Type on Photocatalytic Properties. <i>Advanced Materials Research</i> , 0, 702, 56-61.	0.3	6
104	Palladium-Catalyzed Regioselective Heck-Suzuki-Miyaura Cascade Cyclization for the Synthesis of Trisubstituted Arylideneisoquinolinones. <i>Synlett</i> , 2019, 30, 1073-1076.	1.0	6
105	Antiproliferative activity of morpholine-based compounds on MCF-7 breast cancer, colon carcinoma C26, and normal fibroblast NIH-3T3 cell lines and study of their binding affinity to calf thymus-DNA and bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3788-3802.	2.0	6
106	Copper-catalyzed one-pot synthesis of amide linked 1,2,3-triazoles bearing aryloxy skeletons. <i>Tetrahedron Letters</i> , 2021, 65, 152765.	0.7	6
107	Cytotoxicity, anti-tumor effects and structure-activity relationships of nickel and palladium S,C,S pincer complexes against double and triple-positive and triple-negative breast cancer (TNBC) cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 43, 128107.	1.0	6
108	Development of the molecular engineering of disazo dye sensitizers and TiO <sub>2</sub> semiconductor surface to improve the power conversion efficiency of dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113408.	2.0	6

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109	Synthesis of Arylidene $\alpha$ -Isoquinolinones bearing Combretastatin Skeleton by Cyclocarbopalladation/cross coupling Tandem Heck-Suzuki-Miyaura Reactions using nano catalyst Pd@Py@LSPION. Applied Organometallic Chemistry, 2020, 34, e5279.	1.7	5
110	Design, synthesis, biological evaluation, and docking study of new acridine-carboxamide linked to 1,2,3-triazole derivatives as antidiabetic agents targeting $\alpha$ -glucosidase. Journal of Heterocyclic Chemistry, 2020, 57, 4348-4357.	1.4	5
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