

Xia Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

1,103
citations

21
h-index

29
g-index

76
ext. papers

1,427
ext. citations

4
avg, IF

4.68
L-index

#	Paper	IF	Citations
72	Efficient immobilization of catalase on mesoporous MIL-101 (Cr) and its catalytic activity assay.. <i>Enzyme and Microbial Technology</i> , 2022 , 156, 110005	3.8	0
71	A hierarchical hollow Ni/Co-functionalized MoS architecture with highly sensitive non-enzymatic glucose sensing activity. <i>Dalton Transactions</i> , 2021 , 50, 10059-10066	4.3	0
70	CdS/AgS/g-CN ternary composites with superior photocatalytic performance for hydrogen evolution under visible light irradiation. <i>Dalton Transactions</i> , 2021 , 50, 3253-3260	4.3	4
69	Flocculent VS nanoparticle aggregate-modified NiCo ₂ S ₄ nanogras arrays for electrocatalytic water splitting. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 3858-3866	5.8	2
68	Nanosized CuO encapsulated Ni/Co bimetal Prussian blue with high anti-interference and stability for electrochemical non-enzymatic glucose detection. <i>Dalton Transactions</i> , 2021 , 50, 13748-13755	4.3	2
67	Selective adsorption of malachite green (MG) and fuchsin acid (FA) by ZIF-67 hybridized polyvinylidene fluoride (PVDF) membranes. <i>Dalton Transactions</i> , 2021 , 50, 8927-8937	4.3	3
66	A novel hybrid electrode of zeolitic imidazolate framework-derived carbon encapsulated in reduced-TiO ₂ nanotube arrays: Fabrication and photoelectrocatalytic activity. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5791	3.1	4
65	Ag ₂ CO ₃ -derived Ag/g-C ₃ N ₄ composite with enhanced visible-light photocatalytic activity for hydrogen production from water splitting. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 20851-20858	6.7	4
64	A facile synthesis of a ZIF-derived ZnS/ZnInS heterojunction and enhanced photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2020 , 49, 10816-10823	4.3	15
63	Construction of an Aminated MIL-53(Al)-Functionalized Carbon Nanotube for the Efficient Removal of Bisphenol AF and Metribuzin. <i>Inorganic Chemistry</i> , 2020 , 59, 2667-2679	5.1	12
62	Hierarchical Fe ₂ O ₃ microcubes supported on Ni foam as non-enzymatic glucose sensor. <i>Applied Surface Science</i> , 2020 , 512, 145710	6.7	17
61	Dual cocatalysts decorated three dimensionally ordered mesoporous g-C ₃ N ₄ with homogeneous wall thickness for enhanced photocatalytic performance. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5552	3.1	3
60	Unravelling the role of active-site isolation in reactivity and reaction pathway control for acetylene hydrogenation. <i>Chemical Communications</i> , 2020 , 56, 6372-6375	5.8	10
59	Aminated metal-organic framework (NH ₂ -MIL-101(Cr)) incorporated polyvinylidene (PVDF) hybrid membranes: Synthesis and application in efficient removal of Congo red from aqueous solution. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5281	3.1	9
58	Dual-Emissive CsPbBr ₃ @Eu-BTC Composite for Self-Calibrating Temperature Sensing Application. <i>Crystal Growth and Design</i> , 2020 , 20, 454-459	3.5	36
57	Photochromic inorganic-organic complex derived from low-cost deep eutectic solvents with tunable photocurrent responses and photocatalytic properties. <i>CrystEngComm</i> , 2020 , 22, 1078-1085	3.3	14
56	Yolk-shell (Cu,Zn)FeO ferrite nano-microspheres with highly selective triethylamine gas-sensing properties. <i>Dalton Transactions</i> , 2020 , 49, 14475-14482	4.3	10

55	Ionothermal synthesis of a photochromic inorganic-organic complex for colorimetric and portable UV index indication and UVB detection.. <i>RSC Advances</i> , 2020 , 10, 41720-41726	3.7	3
54	Photocatalytic active silver organic framework: Ag(I)-MOF and its hybrids with silver cyanamide. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5972	3.1	4
53	Coumarin 7 functionalized europium-based metal-organic-framework luminescent composites for dual-mode optical thermometry. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13328-13335	7.1	21
52	Synergetic Effect of Tetraethylammonium Bromide Addition on the Morphology Evolution and Enhanced Photoluminescence of Rare-Earth Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2020 , 59, 14318-14325	5.1	6
51	Lipase immobilization on UiO-66/poly(vinylidene fluoride) hybrid membranes and active catalysis in the vegetable oil hydrolysis. <i>New Journal of Chemistry</i> , 2020 , 44, 14379-14388	3.6	8
50	Efficient and selective removal of congo red by mesoporous amino-modified MIL-101(Cr) nanoadsorbents. <i>Powder Technology</i> , 2019 , 356, 162-169	5.2	22
49	Enhanced selective acetone-sensing performance of hierarchical hollow SnO ₂ /Fe ₂ O ₃ microcubes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11984-11990	7.1	19
48	Effects of solvent-induced morphology evolution of Zn ₂ GeO ₄ on photocatalytic activities of g-C ₃ N ₄ /Zn ₂ GeO ₄ composites. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6517-6528	3.8	4
47	Surface functionalization of MIL-101(Cr) by aminated mesoporous silica and improved adsorption selectivity toward special metal ions. <i>Dalton Transactions</i> , 2019 , 48, 5384-5396	4.3	16
46	Optimizing electronic structure and charge transport of sulfur/potassium co-doped graphitic carbon nitride with efficient photocatalytic hydrogen evolution performance. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5163	3.1	7
45	In- situ solid-phase fabrication of Ag/AgX (X=Cl, Br, I)/g-C ₃ N ₄ composites for enhanced visible-light hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 21397-21405	6.7	21
44	Fabrication of NH ₂ -MIL-125(Ti) incorporated TiO ₂ nanotube arrays composite anodes for highly efficient PEC water splitting. <i>Separation and Purification Technology</i> , 2019 , 228, 115764	8.3	33
43	Nickel Ammine Complex-derived NiO Modified g-C ₃ N ₄ Composites with Enhanced Visible-light Photocatalytic H ₂ Evolution Performance. <i>ChemistrySelect</i> , 2019 , 4, 8095-8103	1.8	3
42	Polyethyleneimine (PEI) incorporated Cu-BTC composites: Extended applications in ultra-high efficient removal of congo red. <i>Journal of Solid State Chemistry</i> , 2019 , 270, 231-241	3.3	37
41	A new MOFs/polymer hybrid membrane: MIL-68(Al)/PVDF, fabrication and application in high-efficient removal of p-nitrophenol and methylene blue. <i>Separation and Purification Technology</i> , 2019 , 215, 217-226	8.3	55
40	Fabrication of AgI/MIL-53(Fe) Composites with Enhanced Photocatalytic Activity for Rhodamine B Degradation under Visible Light Irradiation. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4325	3.1	17
39	A facile strategy for fabricating AgI/MIL-53(Fe) composites: superior interfacial contact and enhanced visible light photocatalytic performance. <i>New Journal of Chemistry</i> , 2018 , 42, 3799-3807	3.6	39
38	Study on the enhanced adsorption properties of lysozyme on polyacrylic acid modified TiO ₂ nano-adsorbents. <i>Materials Research Express</i> , 2018 , 5, 015402	1.7	3

37	Fabrication of ternary polyaniline-graphene oxide-TiO ₂ hybrid films with enhanced activity for photoelectrocatalytic hydrogen production. <i>Separation and Purification Technology</i> , 2018 , 193, 358-367	8.3	12
36	Ag ₃ PO ₄ -MIL-53(Fe) Composites with Visible-Light-Enhanced Photocatalytic Activities for Rhodamine B Degradation. <i>ChemistrySelect</i> , 2018 , 3, 8045-8050	1.8	14
35	Hierarchical spinel Ni Co ₁ -Fe ₂ O ₄ microcubes derived from Fe-based MOF for high-sensitive acetone sensor. <i>Ceramics International</i> , 2018 , 44, 19390-19396	5.1	15
34	BiOBr-assisted hydrothermal synthesis of hierarchical Bi ₄ (GeO ₄) ₃ /Zn ₂ GeO ₄ microspheres for optical sensor application. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9778-9785	7.1	12
33	Eu/Tb functionalized Bi-based metal-organic frameworks toward tunable white-light emission and fluorescence sensing applications. <i>Dalton Transactions</i> , 2018 , 47, 16696-16703	4.3	38
32	Controlled Synthesis of Porous Hierarchical ZnFeO Micro-/Nanostructures with Multifunctional Photocatalytic Performance. <i>Inorganic Chemistry</i> , 2018 , 57, 15481-15488	5.1	17
31	Fabrication of noble-metal-free g-C ₃ N ₄ -MIL-53(Fe) composite for enhanced photocatalytic H ₂ -generation performance. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4597	3.1	28
30	Immobilization of cellulase proteins on zeolitic imidazolate framework (ZIF-8)/polyvinylidene fluoride hybrid membranes. <i>New Journal of Chemistry</i> , 2018 , 42, 17429-17438	3.6	15
29	Enhanced photocatalytic hydrogen evolution over a heterojunction composed of silver cyanamide and graphitic carbon nitride. <i>New Journal of Chemistry</i> , 2018 , 42, 16005-16012	3.6	8
28	Immobilization of lysozyme proteins on a hierarchical zeolitic imidazolate framework (ZIF-8). <i>Dalton Transactions</i> , 2017 , 46, 2114-2121	4.3	46
27	Ag nanoparticle-functionalized ZnO micro-flowers for enhanced photodegradation of herbicide derivatives. <i>Chemical Physics Letters</i> , 2017 , 679, 119-126	2.5	26
26	Enhanced photocatalytic activity of BiOI under visible light irradiation by the modification of MoS ₂ . <i>RSC Advances</i> , 2017 , 7, 42398-42406	3.7	25
25	Synthesis, characterization, and photocatalytic degradation properties of ZnO/ZnFe ₂ O ₄ magnetic heterostructures. <i>New Journal of Chemistry</i> , 2017 , 41, 15433-15438	3.6	28
24	Fabrication of organic/inorganic hybrid membranes composed of poly(vinylidene fluoride) and silver cyanamide and their high photocatalytic activity under visible light irradiation. <i>RSC Advances</i> , 2016 , 6, 61920-61926	3.7	13
23	Adsorption behavior of methylene blue on Fe ₃ O ₄ -embedded hybrid magnetic metal/organic framework. <i>Desalination and Water Treatment</i> , 2016 , 57, 25216-25225		18
22	Surface functionalization of zirconium dioxide nano-adsorbents with 3-aminopropyl triethoxysilane and promoted adsorption activity for bovine serum albumin. <i>Materials Chemistry and Physics</i> , 2016 , 176, 129-135	4.4	9
21	Rapid magnetic solid-phase extraction of Congo Red and Basic Red 2 from aqueous solution by ZIF-8@CoFe ₂ O ₄ hybrid composites. <i>Journal of Separation Science</i> , 2016 , 39, 3647-54	3.4	17
20	Selective adsorption of bovine hemoglobin on functional TiO ₂ nano-adsorbents: surface physic-chemical properties determined adsorption activity. <i>Materials Research Express</i> , 2015 , 2, 045101	1.7	6

19	Fabrication of nanocomposites composed of silver cyanamide and titania for improved photocatalytic hydrogen generation. <i>Dalton Transactions</i> , 2015 , 44, 19948-55	4.3	22
18	Magnetization of a Cu(II)-1,3,5-benzenetricarboxylate metal-organic framework for efficient solid-phase extraction of Congo Red. <i>Mikrochimica Acta</i> , 2015 , 182, 2313-2320	5.8	29
17	Fabrication of PVDF membranes entrapped with oleic acid modified TiO ₂ and selective adsorption toward bovine hemoglobin. <i>RSC Advances</i> , 2015 , 5, 48607-48614	3.7	7
16	Adsorption behavior of Rhodamine B on nanoporous polymers. <i>RSC Advances</i> , 2015 , 5, 104915-104922	3.7	39
15	Fabrication of hybrid magnetic HKUST-1 and its highly efficient adsorption performance for Congo red dye. <i>RSC Advances</i> , 2015 , 5, 19199-19202	3.7	35
14	Semiconductor Pb ₂ P ₂ S ₆ and size-dependent band gap energy of its nanoparticles. <i>RSC Advances</i> , 2014 , 4, 34288-34293	3.7	9
13	Two supramolecular isomers with different structural features: reversible transformation and fluorescence properties. <i>Journal of Coordination Chemistry</i> , 2013 , 66, 1107-1117	1.6	5
12	Preparation, performance and adsorption activity of TiO ₂ nanoparticles entrapped PVDF hybrid membranes. <i>Applied Surface Science</i> , 2012 , 263, 660-665	6.7	55
11	Two 2D-3D entangled coordination polymers with polycatenated and polythreaded features based on 4-sql layers. <i>CrystEngComm</i> , 2012 , 14, 3264	3.3	28
10	Synthesis, Characterization and Fluorescent Property of Two Mixed Ligand Coordination Polymers Constructed from 4-Cyclohexene-1,2-dicarboxylate and Nitrogen-Containing Ligands. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 453-457	0.5	1
9	Coordination polymers constructed from d ¹⁰ ions, saturated or unsaturated aliphatic carboxylic acids, and bidentate nitrogen ligands: synthesis, characterization, and fluorescence. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 1313-1326	1.6	8
8	A Unique Optical and Electrical Multifunctional Metal-Organic Framework Based on Polynuclear Rod-Shaped Secondary Building Units Constructed from a Three Birds with One Stone In Situ Reaction Process. <i>Crystal Growth and Design</i> , 2010 , 10, 2272-2277	3.5	37
7	Synthesis, characterization and magnetic properties of supramolecular metal-organic complexes constructed from flexible-rigid mixed ligands. <i>Transition Metal Chemistry</i> , 2010 , 35, 501-506	2.1	2
6	Synthesis, structure, and photoluminescence of a series of lanthanide coordination polymers constructed from nitrogen containing organic ligands. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 2755-2763	1.6	11
5	Self-assembly of reduced molybdophosphate-based supramolecular architectures and the study of their magnetic properties. <i>Transition Metal Chemistry</i> , 2009 , 34, 571-577	2.1	1
4	Synthesis, characterization and magnetic properties of coordination polymers of manganese with 1,1'-biphenyl-2,2'-dicarboxylic acid ligands. <i>Transition Metal Chemistry</i> , 2009 , 34, 827-833	2.1	2
3	High efficient removal of synthetic cationic and anionic dyes from water by using functional Al-BTB as adsorbent. <i>Separation Science and Technology</i> , 1-14	2.5	
2	Two-step in situ synthesis of CsPbX ₃ @TS-1 zeolite (X = Cl, Br, I) nanocomposites for optical thermometric, latent fingerprints and anti-counterfeiting applications. <i>Materials Chemistry Frontiers</i> ,	7.8	1

1 Highly-efficient adsorption behavior of mesoporous Co-HDIPT toward both anionic and cationic organic dyes. *Journal of Porous Materials*,1

2.4 1