Xiao-Zhang

List of Publications by Year
in descending order

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86 papers	2,980 citations	270111 25 h-index	190340 53 g-index
86 all docs	86 docs citations	86 times ranked	3515 citing authors

#	Article	IF	Citations
1	The detection of selectivity and sensitivity towards TNP by a new Zn(II)-coordination polymer as luminescent sensor in aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 266, 120419.	2.0	20
2	A stable lanthanum-based metal-organic framework as fluorescent sensor for detecting TNP and Fe3+ with hyper-sensitivity and ultra-selectivity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120276.	2.0	14
3	Simple carbonaceous-material-loaded mesoporous SiO2 composite catalyst for epoxide-CO2 cycloaddition reaction. Journal of Colloid and Interface Science, 2022, 610, 818-829.	5.0	11
4	Imidazolium-based poly(ionic liquid)s@MIL-101 for CO₂ adsorption and subsequent catalytic cycloaddition without additional cocatalyst and solvent. New Journal of Chemistry, 2022, 46, 2309-2319.	1.4	13
5	Manganese(II)-based coordination polymer as a bi-responsive luminescent sensor for highly selective detection of picric acid and CrO42â˜ ion. Transition Metal Chemistry, 2022, 47, 85-92.	0.7	3
6	First Organicâ€“Inorganic Hybrid Compounds Formed by Ge-V-O Clusters and Transition Metal Complexes of Aromatic Organic Ligands. Molecules, 2022, 27, 4424.	1.7	2
7	Synthesis of the SO₄^{2â˜}â€“Fe₃O₄/FeS coating catalyst on a TC4 titanium alloy for the enhanced Fenton-like degradation of phenol. New Journal of Chemistry, 2021, 45, 1516-1524.	1.4	4
8	A High-Performance Zinc-Organic Framework with Accessible Open Metal Sites Catalyzes CO₂ and Styrene Oxide into Styrene Carbonate under Mild Conditions. ACS Sustainable Chemistry and Engineering, 2021, 9, 2795-2803.	3.2	49
9	The enhanced catalytic activity and stability of Fe3O4-S@C Fenton-like catalyst for phenol degradation. Research on Chemical Intermediates, 2021, 47, 3025-3035.	1.3	7
10	Construction of a Co (II)-MOC based on p-phenylenediamine and 1,2,4,5-benzenetetracarboxylic acid ligands: synthesis, structure and sensing behavior for NACs and Fe3+ ions. Inorganic Chemistry Communication, 2021, , 108944.	1.8	0
11	Facile One-Pot Synthesis of Zn/Mg-MOF-74 with Unsaturated Coordination Metal Centers for Efficient CO₂ Adsorption and Conversion to Cyclic Carbonates. ACS Applied Materials & Interfaces, 2021, 13, 61334-61345.	4.0	99
12	A novel water-stable MOF Zn(Py)(Atz) as heterogeneous catalyst for chemical conversion of CO2 with various epoxides under mild conditions. Journal of CO2 Utilization, 2020, 35, 216-224.	3.3	75
13	New compounds of polyoxometalates and cadmium mixed-organic-ligand complexes. Journal of Solid State Chemistry, 2020, 283, 121168.	1.4	8
14	A stable Cu-MOF as a dual function sensor with high selectivity and sensitivity detection of picric acid and CrO42-in aqueous solution. Microchemical Journal, 2020, 153, 104498.	2.3	14
15	A luminescent Cd(II)-metal organic frameworks combined of TPT and H3BTC detecting 2,4,6-trinitrophenol and chromate anions in aqueous. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 242, 118790.	2.0	10
16	A High-Efficient Carbon-Coated Iron-Based Fenton-Like Catalyst with Enhanced Cycle Stability and Regenerative Performance. Catalysts, 2020, 10, 1486.	1.6	9
17	Eu(III)-organic complex as recyclable dual-functional luminescent sensor for simultaneous and quantitative sensing of 2,4,6-trinitrophenol and CrO42â˜ in aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118497.	2.0	10
18	Dual hydrogen-bond donor group-containing Zn-MOF for the highly effective coupling of CO₂and epoxides under mild and solvent-free conditions. Inorganic Chemistry Frontiers, 2020, 7, 1995-2005.	3.0	40

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19	Syntheses, characterization and properties of two new dodeca-niobates presenting unprecedented features. Dalton Transactions, 2020, 49, 6495-6503.	1.6	11
20	From coordination polymers to nanocrystals: general and facile synthesis of ultra-small metal oxide nanocrystals. Chemical Communications, 2020, 56, 6145-6148.	2.2	0
21	Novel Multifunctional Zn Metalâ€“Organic Framework Fluorescent Probe Demonstrating Unique Sensitivity and Selectivity for Detection of PA and Fe³⁺ Ions in Water Solution. Crystal Growth and Design, 2019, 19, 5729-5736.	1.4	62
22	A MOF material based on zinc (II) and mixed ligands: Synthesis, structure and luminescence behavior. Inorganica Chimica Acta, 2019, 496, 119035.	1.2	7
23	Synthesis and characterization of a luminescent Ni(II)-compound based on tpt and m-H2bdc detecting picric acid and chromate anions in aqueous. Inorganica Chimica Acta, 2019, 497, 119096.	1.2	5
24	Porous Zn(Bmic)(AT) MOF with Abundant Amino Groups and Open Metal Sites for Efficient Capture and Transformation of CO₂. Inorganic Chemistry, 2019, 58, 13917-13926.	1.9	68
25	Copper(I)â€“polymers and their photoluminescence thermochromism properties. Photochemical and Photobiological Sciences, 2019, 18, 477-486.	1.6	14
26	Highly selective and sensitive detection of Fe3+, Al3+ and picric acid by a water-stable luminescent MOF. Journal of Solid State Chemistry, 2019, 272, 1-8.	1.4	36
27	The design of a novel and resistant Zn(PZDC)(ATZ) MOF catalyst for the chemical fixation of CO₂ under solvent-free conditions. Inorganic Chemistry Frontiers, 2019, 6, 317-325.	3.0	41
28	A simple approach for synthesis of hollow mesoporous nanotubes loaded with metallic and magnetic nanoparticles: Only one step is required. Applied Organometallic Chemistry, 2019, 33, e4849.	1.7	4
29	A luminescent sensor based on a Zn(<scp>II</scp>) coordination polymer for selective and sensitive detection of NACs and Fe³⁺ ions. CrystEngComm, 2019, 21, 1948-1955.	1.3	58
30	Preparation of reduced graphene oxide nanosheet/FexOy/nitrogen-doped carbon layer aerogel as photo-Fenton catalyst with enhanced degradation activity and reusability. Journal of Hazardous Materials, 2019, 362, 62-71.	6.5	57
31	New iodometallates(I) with in situ generated organic base derivatives as countercations (M+ =â€¯Ag+,) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	3
32	Directed self-assembly of dual metal ions with ligands: towards the synthesis of noble metal/metal oxide composites with controlled facets. Chemical Communications, 2018, 54, 2044-2047.	2.2	4
33	Two zinc(II) coordination complexes based on an asymmetric multidentate ligand: syntheses, structures, selective fluorescence sensing of iron(III) ions and thermal analyses. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 13-20.	0.2	2
34	A general autocatalytic route toward silica nanospheres with ultrasmall sized and well-dispersed metal oxide nanoparticles. Nanoscale, 2018, 10, 9460-9465.	2.8	8
35	Four unprecedented cobalt(II) and cadmium(II) metal-organic frameworks based on a rigid tricarboxylate ligand: Synthesis, crystal structures, magnetic and fluorescence properties. Journal of Molecular Structure, 2018, 1156, 583-591.	1.8	8
36	New photoluminescent iodoargentates with bisimidazole derivatives as countercations. RSC Advances, 2018, 8, 36150-36160.	1.7	5

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37	Role of Electric Field and Reactive Oxygen Species in Enhancing Antibacterial Activity: A Case Study of 3D Cu Foam Electrode with Branched CuOâ€“ZnO NWs. Journal of Physical Chemistry C, 2018, 122, 26454-26463.	1.5	37
38	Synthesis and Structural Characterization of a Nickel Coordination Polymer Based on	0.1	0
39	One-step preparation of nanobeads-based polypyrrole hydrogel by a reactive-template method and their applications in adsorption and catalysis. Journal of Colloid and Interface Science, 2018, 527, 214-221.	5.0	36
40	Synthesis, structural characterization and photoluminescence property of two Zn2+/In3+-4,4â€²-oxydiphthalhydrazidate complexes. Inorganica Chimica Acta, 2018, 482, 1-7.	1.2	7
41	A Series of Compounds Based on [P₂W₁₈O₆₂]^{6â€“}and Transition Metal Mixed Organic Ligand Complexes with High Catalytic Properties for Styrene Epoxidation. Inorganic Chemistry, 2018, 57, 11123-11134.	1.9	19
42	Novel 3D Nitrogen-Rich Metal Organic Framework for Highly Efficient CO₂ Adsorption and Catalytic Conversion to Cyclic Carbonates under Ambient Temperature. ACS Sustainable Chemistry and Engineering, 2018, 6, 8727-8735.	3.2	106
43	Preparation of Magnetically Recyclable Yolk/Shell Fe_xO_y/PdPt@CeO₂ Nanoreactors with Enhanced Catalytic Activity. Chemistry - an Asian Journal, 2017, 12, 1400-1407.	1.7	8
44	New copper(I) iodides with bisimidazole molecules: Synthesis, structural characterization and photoluminescence property. Journal of Solid State Chemistry, 2017, 251, 176-185.	1.4	16
45	A novel luminescent Pb(<scp>ii</scp>) â€“ organic framework exhibiting a rapid and selective detection of trace amounts of NACs and Fe³⁺ with excellent recyclability. Dalton Transactions, 2017, 46, 6303-6311.	1.6	91
46	Preparation, structure and characterization of a series of vanadates. CrystEngComm, 2017, 19, 265-275.	1.3	17
47	An unprecedented antimonato-polyoxovanadate (SbPOV) based on both Î±-[V₁₄Sb₈O₄₂]^{4â^’} and Î²-[V₁₄Sb₈O₄₂]^{4â^’} isomers. Dalton Transactions, 2017, 46, 8022-8026.	1.6	6
48	One-pot preparation of ternary reduced graphene oxide nanosheets/Fe2O3/polypyrrole hydrogels as efficient Fenton catalysts. Journal of Colloid and Interface Science, 2017, 505, 130-138.	5.0	44
49	New discrete iodometallates with in situ generated triimidazole derivatives as countercations (Mⁿ⁺ = Ag⁺, Pb²⁺, Bi³⁺). RSC Advances, 2017, 7, 19073-19080.	1.7	20
50	Two copper(II) coordination polymers constructed by bis(4-(1H-imidazol-1-yl)phenyl)methanone and dicarboxylate ligands. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 257-261.	0.3	17
51	Lewis Acidâ€“Base Bifunctional Crystals with a Three-Dimensional Framework for Selective Coupling of CO₂ and Epoxides under Mild and Solvent-Free Conditions. Crystal Growth and Design, 2017, 17, 51-57.	1.4	45
52	Synthesis and structural characterization of Mn(II) and Cu(II) complexes with bis(4-(1H-imidazol-1-yl)phenyl)methanone ligands. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 83-87.	0.3	17
53	One-step preparation of magnetic recyclable quinary graphene hydrogels with high catalytic activity. Journal of Colloid and Interface Science, 2017, 491, 72-79.	5.0	15
54	Preparation of reduced graphene oxide nanosheet/glutathione-Pd hydrogel with enhanced catalytic activity. Inorganic Chemistry Communication, 2017, 86, 26-30.	1.8	4

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55	The development of novel Au/CaO nanoribbons from bifunctional building block for biodiesel production. Nanoscale, 2017, 9, 15990-15997.	2.8	8
56	An Explosive Bombâ€Inspired Method to Prepare Collapsed and Ruptured Fe₂O₃/Nitrogenâ€Doped Carbon Capsules as Catalyst Support. Chemistry - A European Journal, 2017, 23, 17095-17102.	1.7	6
57	A highly selective and sensitive Zn(<scp>ii</scp>) coordination polymer luminescent sensor for Al³⁺and NACs in the aqueous phase. Inorganic Chemistry Frontiers, 2017, 4, 1888-1894.	3.0	87
58	Synthesis and structural characterization of a Cu(I) complex with	0.1	2
59	New organicâ€“inorganic hybrid compounds based on [SiNb₁₂V₂O₄₂]^{12â} with high catalytic activity for styrene epoxidation. Inorganic Chemistry Frontiers, 2017, 4, 1397-1404.	3.0	14
60	Highly Selective and Sensitive Detection of Nitroaromatic Compounds and Metal Ions by Supramolecular Assemblies of 3,3â€™,5,5â€™-Azobenzenetetracarboxylic Acid and 4,4â€™-Bipyridine. Journal of Fluorescence, 2017, 27, 281-286.	1.3	5
61	Crystal Structure of Two V-shaped Ligands with N-Heterocycles. Crystallography Reports, 2017, 62, 1113-1117.	0.1	5
62	Preparation of raspberry-like Î³-Fe2O3/crackled nitrogen-doped carbon capsules and their application as supports to improve catalytic activity. Nanoscale, 2016, 8, 18693-18702.	2.8	25
63	Three new complexes based on methyl-pyrimidine-2-thione: in situ transformation, crystal structures and properties. Journal of Coordination Chemistry, 2016, 69, 3072-3083.	0.8	4
64	Vanadoantimonates: from discrete clusters to high dimensional aggregates. CrystEngComm, 2016, 18, 5130-5139.	1.3	22
65	New organicâ€“inorganic hybrid compounds constructed from polyoxometalates and transition metal mixed-organic-ligand complexes. Dalton Transactions, 2016, 45, 2562-2573.	1.6	32
66	New self-assembly hybrid compounds based on arsenicâ€“vanadium clusters and transition metal mixed-organic-ligand complexes. CrystEngComm, 2016, 18, 566-579.	1.3	16
67	Hydrothermal Synthesis of New Organically Templated Beryllium Phosphite and Phosphate with 3,4â€connected Networks. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 688-693.	0.6	3
68	Two novel structures based on an organic ligand with two different coordination modes. RSC Advances, 2015, 5, 46790-46800.	1.7	6
69	New 1-D and 3-D thiocyanatocadmates modified by various amine molecules and Cl^â/CH₃COO^â ions: synthesis, structural characterization, thermal behavior and photoluminescence properties. Dalton Transactions, 2015, 44, 5095-5105.	1.6	15
70	Tuning the structures based on polyoxometalates from 1-D to 2-D by using different secondary organic ligands. Dalton Transactions, 2015, 44, 14830-14841.	1.6	31
71	A comparison study of aliphatic and aromatic structure directing agents influencing the crystal and electronic structures, and properties of iodoplumbate hybrids: water induced structure conversion and visible light photocatalytic properties. Dalton Transactions, 2015, 44, 12561-12575.	1.6	54
72	Polyoxometalate-based organicâ€“inorganic hybrid compounds containing transition metal mixed-organic-ligand complexes of N-containing and pyridinecarboxylate ligands. Dalton Transactions, 2015, 44, 8971-8983.	1.6	44

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73	Janus building block-enabled fabrication of dual metal equipped coordination polymers: an ideal precursor for noble metal/metal oxide nanocomposites with excellent catalytic performance. Journal of Materials Chemistry A, 2015, 3, 20073-20079.	5.2	17
74	Preparation of PdxAuy bimetallic nanostructures with controllable morphologies supported on reduced graphene oxide nanosheets and wrapped in a polypyrrole layer. RSC Advances, 2015, 5, 87831-87837.	1.7	10
75	Concise template syntheses of gallium phosphates driven by in situ direct alkylation of aliphatic and aromatic precursors by methanol. RSC Advances, 2015, 5, 74811-74820.	1.7	9
76	The inorganicâ€“organic hybrid zinc phosphite poly[(Î¼3-hydrogen) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (phosphito-Îº3O:Oâ€² Structural Chemistry, 2014, 70, 289-291.	0.2	1
77	Synthesis and structural characterization of two open-framework zinc phosphites with (3,4)-connected networks. Inorganic Chemistry Communication, 2014, 43, 105-109.	1.8	8
78	Anion-dependent assemblies of a series of Cd(ii) coordination complexes based on an asymmetric multi-dentate ligand and inorganic SBUs: syntheses, crystal structures, and fluorescent properties. CrystEngComm, 2014, 16, 9896-9906.	1.3	19
79	Series of crystalline beryllium phosphates including new templates generated by in situ N-methylation transformation. CrystEngComm, 2014, 16, 3296.	1.3	20
80	Facile in situ syntheses of new templates and formations of three zinc phosphates. Inorganic Chemistry Communication, 2014, 46, 295-300.	1.8	8
81	Syntheses, structures and fluorescence properties of two novel polymers based on a flexible tripodal ligand 1,3,5-tris((1H-1,2,4-triazol-1-yl)methyl)benzene. Journal of Molecular Structure, 2014, 1074, 134-139.	1.8	2
82	Syntheses and characterizations of zinc phosphites with new templates generated by N-alkylation transformations. Inorganic Chemistry Communication, 2014, 39, 94-98.	1.8	12
83	New iodocuprates(I) with N-heterocyclic molecules as the cations. Journal of Solid State Chemistry, 2013, 207, 152-157.	1.4	20
84	In situ template generation via N-alkylation in the syntheses of open-framework zinc phosphites and phosphate. Dalton Transactions, 2013, 42, 13084.	1.6	28
85	New Microporous Metalâ^'Organic Framework Demonstrating Unique Selectivity for Detection of High Explosives and Aromatic Compounds. Journal of the American Chemical Society, 2011, 133, 4153-4155.	6.6	1,073
86	Synthesis and Characterization of Four Novel Supramolecular Compounds Based on Metal Zinc and Cadmium. Crystal Growth and Design, 2005, 5, 1091-1098.	1.4	88