

Qi-Hua Zhao

List of Publications by Year in descending order

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papers

820
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567144

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64
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional chemical sensors and luminescent thermometers based on lanthanide metal-organic framework materials. <i>CrystEngComm</i> , 2016, 18, 2690-2700.	1.3	68
2	High-performance non-enzymatic glucose electrochemical sensor constructed by transition nickel modified Ni@Cu-MOF. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113783.	1.9	66
3	Efficient imine synthesis from oxidative coupling of alcohols and amines under air atmosphere catalysed by Zn-doped Al ₂ O ₃ supported Au nanoparticles. <i>Journal of Catalysis</i> , 2019, 377, 110-121.	3.1	54
4	Intriguing Architectures Generated from 1,4-Bis(3- or 4-pyridyl)-2,3-diaza-1,3-butadiene with Aromatic Dicarboxylates: Syntheses, Crystal Structures, and Properties. <i>Crystal Growth and Design</i> , 2014, 14, 1175-1183.	1.4	47
5	Selective sensing of 2,4,6-trinitrophenol and detection of the ultralow temperature based on a dual-functional MOF as a luminescent sensor. <i>Inorganic Chemistry Communication</i> , 2016, 68, 45-49.	1.8	32
6	Single-crystal-to-single-crystal (SCSC) transformation and dissolution-recrystallization structural transformation (DRST) among three new copper(II) coordination polymers. <i>CrystEngComm</i> , 2018, 20, 570-577.	1.3	27
7	Zinc-based CPs for effective detection of Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions. <i>New Journal of Chemistry</i> , 2019, 43, 1494-1504.	1.4	26
8	Efficient imine synthesis via oxidative coupling of alcohols with amines in an air atmosphere using a mesoporous manganese-zirconium solid solution catalyst. <i>Catalysis Science and Technology</i> , 2021, 11, 810-822.	2.1	26
9	Highly efficient and selective capture Pb(II) through a novel metal-organic framework containing bifunctional groups. <i>Journal of Hazardous Materials</i> , 2022, 427, 127852.	6.5	26
10	Rational design of two bpy-bridged 3D and 2D Coll open frameworks with similar amino-acid-based Schiff bases. <i>Dalton Transactions</i> , 2012, 41, 14397.	1.6	24
11	Efficient Imine Formation by Oxidative Coupling at Low Temperature Catalyzed by High-Surface-Area Mesoporous CeO ₂ with Exceptional Redox Property. <i>Chemistry - A European Journal</i> , 2021, 27, 3019-3028.	1.7	24
12	A chiral porous cobalt-organic framework based on reinforced sinusoidal-like SBUs involving in situ-generated formate. <i>New Journal of Chemistry</i> , 2013, 37, 2473.	1.4	20
13	[2 + 2] cycloaddition reaction and luminescent sensing of Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions by a cadmium-based coordination polymer. <i>Dalton Transactions</i> , 2019, 48, 12159-12167.	1.6	18
14	Multiple Strategies to Fabricate a Highly Stable 2D Cu ^{II} Cu ^I -Organic Framework with High Proton Conductivity. <i>Inorganic Chemistry</i> , 2021, 60, 16474-16483.	1.9	18
15	Two-Dimensional Excitonic Metal-Organic Framework: Design, Synthesis, Regulation, and Properties. <i>Inorganic Chemistry</i> , 2019, 58, 3145-3155.	1.9	17
16	Highly chemically and thermally stable lanthanide coordination polymers for luminescent probes and white light emitting diodes. <i>CrystEngComm</i> , 2020, 22, 2667-2674.	1.3	16
17	Four supramolecular transition metal(II) complexes based on triazole-benzoic acid derivatives: crystal structure, Hirshfeld surface analysis, and spectroscopic and thermal properties. <i>Structural Chemistry</i> , 2018, 29, 1013-1023.	1.0	14
18	Synthesis, Structure and Magnetic Properties of dimeric Nickel(II) Benzoate with Pyridyl-substituted Nitronyl Nitroxides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1441-1443.	0.6	13

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19	Assembly of a series of zinc coordination polymers based on 5-functionalized isophthalic acids and dipyrityl. <i>RSC Advances</i> , 2018, 8, 7428-7437.	1.7	13
20	Multidimensional Snowflake-shaped (3, 9)-connected Metal-Organic Frameworks Composed of Ni ₃ (<i>trimesate</i>) ₄ Building Blocks and Symmetry Ligand Pyridine-3,5-dicarboxylic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 375-378.	0.6	12
21	A dual-functional cadmium(II) coordination polymer as a luminescent sensor for selective sensing of iron(III) ions and detecting the temperature. <i>Transition Metal Chemistry</i> , 2016, 41, 573-580.	0.7	12
22	Flexible coordination polymers based on zwitterion ligands and d10 metal ions for selective sensing of nitrobenzene, Fe ³⁺ and HSO ₄ ⁻ . <i>Inorganic Chemistry Communication</i> , 2018, 98, 80-86.	1.8	12
23	Synthesis and Crystal Structure of [Mn(H ₂ O)(tptz)(CH ₃ COO)] ₂ ·2H ₂ O (tptz=2,4,6-tris-(2-pyridyl)-1,3,5-triazine). <i>Journal of Chemical Crystallography</i> , 2008, 38, 601-604.	0.5	11
24	Two 2D grid-based Co(II) amino acid Schiff base complexes with left- and right-handed helical chains: Structures and magnetism. <i>Inorganic Chemistry Communication</i> , 2014, 45, 20-24.	1.8	11
25	A family of planar hexanuclear Co ₃ Ln ₃ clusters with lucanidae-like arrangement and single-molecule magnet behavior. <i>Dalton Transactions</i> , 2019, 48, 12880-12887.	1.6	11
26	First examples of rare earth benzoate chain complexes doped with radicals as paramagnetic carriers: Synthesis, structure, and magnetic properties. <i>Polyhedron</i> , 2013, 54, 252-259.	1.0	9
27	Three unique MOFs constructed by 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene and dicarboxylates: From rhombic tetrameric zinc(II) 2D layer to 2D+2D→3D polycatenated frameworks. <i>Inorganic Chemistry Communication</i> , 2016, 73, 161-165.	1.8	9
28	Three Novel Zn-Based Coordination Polymers: Synthesis, Structure, and Effective Detection of Al ³⁺ and S ²⁻ Ions. <i>Molecules</i> , 2020, 25, 382.	1.7	9
29	Different Phenomena in Magnetic/Electrical Properties of Co(II) and Ni(II) Isomorphous MOFs. <i>ACS Omega</i> , 2021, 6, 9213-9221.	1.6	9
30	Synthesis, structures, and fluorescent properties of azo anthranilic acid and its Cu(II), Co(II), and Ni(II) complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2615-2629.	0.8	8
31	Synthesis, crystal structure, luminescent and magnetic properties of lanthanide coordination polymers based on a zwitterionic polycarboxylate ligand. <i>Inorganic Chemistry Communication</i> , 2017, 77, 1-5.	1.8	8
32	Synthesis, Crystal Structure, Luminescence and Magnetism of Three Novel Coordination Polymers Based on Flexible Multicarboxylate Zwitterionic Ligand. <i>Crystals</i> , 2017, 7, 32.	1.0	8
33	Mixed-ligand strategy affording two 6-connected 3-fold interpenetrated metal-organic frameworks with binuclear Co ₂ /Ni ₂ subunits: Synthesis, crystal structures and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107624.	1.8	8
34	Synthesis of carboxy-cyclobutane isomers combining an amide bond and self-assembly of coordination polymers in the solid state: controlling the reaction site of [2 + 2] cycloaddition by introducing a substituent group. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1997-2007.	3.0	8
35	R-Substituent-Induced Structural Diversity and Single-Crystal to Single-Crystal Transformation of Coordination Polymers: Synthesis, Luminescence, and Magnetic Behaviors. <i>Crystal Growth and Design</i> , 2021, 21, 5086-5099.	1.4	8
36	A Novel Coordination Polymer as Adsorbent Used to Remove Hg(II) and Pb(II) from Water with Different Adsorption Mechanisms. <i>ACS Omega</i> , 2022, 7, 10187-10195.	1.6	8

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37	Three new 3D metal-organic frameworks based on the tetrakis(imidazol-1-ylmethyl)methane and 1,4-benzenedicarboxylic acid ligands with transition metal (Zn/Cd/Co) and properties research. <i>Inorganica Chimica Acta</i> , 2016, 453, 292-297.	1.2	7
38	Crystal structure, spectroscopic and thermal properties of copper(II) and manganese(II) coordination polymers based on triazole-benzoic acid ligands. <i>Transition Metal Chemistry</i> , 2018, 43, 1-8.	0.7	7
39	Zinc-tetracarboxylate framework material with nano-cages and one-dimensional channels for excellent selective and effective adsorption of methyl blue dye. <i>RSC Advances</i> , 2020, 10, 3539-3543.	1.7	7
40	Anion-controlled Zn(II) coordination polymers with 1-(tetrazo-5-yl)-3-(triazole-1-yl) benzene as an assembling ligand: synthesis, characterization, and efficient detection of tryptophan in water. <i>Dalton Transactions</i> , 2021, 50, 18044-18052.	1.6	7
41	A novel dual-functional coordination polymer for detection and ultra-effectively removal of Fe(III) in water. <i>Journal of Molecular Liquids</i> , 2022, 355, 118942.	2.3	7
42	Synthesis and Crystal Structure of Copper(II)-Hexafluoro-Acetylacetonate Complexes with Pyridyl-Substituted Nitronyl and Imino-Nitroxide Radicals. <i>Journal of Chemical Crystallography</i> , 2010, 40, 472-475.	0.5	6
43	Copper(II) coordination frameworks with 1H-benzimidazole-5,6-dicarboxylic acid: syntheses, crystal structures and magnetic properties. <i>Transition Metal Chemistry</i> , 2010, 35, 829-834.	0.7	6
44	Synthesis, structure, and magnetic properties of two dimer paddle-wheel CuII toluate complexes with nitronyl nitroxide radicals. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2166-2177.	0.8	6
45	A new cobalt(II) polycatenation complex based on urazole: In situ ligand synthesis, crystal structure, and properties. <i>Inorganica Chimica Acta</i> , 2016, 440, 48-52.	1.2	6
46	Synthesis, Structures, and Photoluminescence Properties of Five Novel Zinc(II) and Cadmium(II) Coordination Polymers based on Different Zwitterionic Pyridine Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 2116-2123.	0.6	6
47	A Cobalt-Organic Framework with Sensitive Detection of Fe ³⁺ , CrO ₇ ²⁻ , and CrO ₄ ²⁻ Ions in Water. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2063-2072.	1.9	6
48	An AIE material with time-dependent luminescence conversion obtained by 2D coordination polymer modification via covalent post-synthetic modification. <i>Dalton Transactions</i> , 2021, 50, 16685-16693.	1.6	6
49	Structural diversity of three Cu(II) compounds based on a new tripodal zwitterionic ligand: Syntheses, structures and properties. <i>Journal of Molecular Structure</i> , 2018, 1155, 303-309.	1.8	5
50	A pair of novel helical Zn(II) enantiomers constructed from l- and d-threonine Schiff bases: Synthesis, crystal structures and properties. <i>Inorganic Chemistry Communication</i> , 2015, 58, 9-13.	1.8	4
51	Two 2D isostructural coordination polymers: Syntheses, structure analysis and effective detection of Cr(VI) and Fe(III) ions in water. <i>Inorganic Chemistry Communication</i> , 2019, 110, 107575.	1.8	4
52	Synthesis of two Cd-MOFs based on flexible trinitrogen ligand for CrO ₄ ²⁻ detection in harsh alkaline solution. <i>Inorganic Chemistry Communication</i> , 2021, 128, 108604.	1.8	4
53	Diazidobis[2,4-diamino-6-(2-pyridyl)-1,3,5-triazine- ¹ , ² , ³ , ⁴ , ⁵ , ⁶]-zinc(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m622-m622.	0.2	3
54	Metal ions Directed Self-assembly based on Mixed Ligands: From 2D hcb Net to 3D cds Framework. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1758-1764.	0.6	3

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55	Two novel coordination polymers for Hg(II) removal in water. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109426.	1.8	3
56	Synthesis, Structures, and Properties of Four Novel Coordination Compounds based on a Flexible Tetrakis(imidazolylmethyl)methane Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 853-859.	0.6	2
57	The diversities of magnetic behaviors appearing simultaneously in three isomorphs based on 1H-tetrazolyl-acetic acid ligand. <i>RSC Advances</i> , 2017, 7, 50150-50155.	1.7	2
58	Tris[2-(2-pyridyliminomethyl)phenolato(0.67 \AA)]europium(III) nitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m697-m697.	0.2	1
59	(Dicyanamido)[2-(2-pyridylmethyliminomethyl)phenolato]copper(II) monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m142-m142.	0.2	1
60	4-(4-Chlorophenyl)-6-(methylsulfanyl)pyrimidin-2-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1793-o1793.	0.2	1
61	Markov Chain Monte Carlo (MCMC) Method for Studying Magnetic Behaviors in Trinuclear Cobalt(II) Compound. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1415-1418.	1.7	0
62	Three Ln ^{III} coordination compounds based on 1,1,1-(benzene-1,3,5-triyltris(methylene))tris(4-carboxypyridinium)tribromide: Synthesis, structures, and properties. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1073-1083.	0.8	0
63	A novel fluorescence phenomenon caused by amine induced ion-exchange between Cd ²⁺ and Fe ³⁺ ions. <i>RSC Advances</i> , 2019, 9, 39854-39857.	1.7	0