

# Miao-Li Zhu

## List of Publications by Year in descending order

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77  
papers

1,244  
citations

304743

22  
h-index

414414

32  
g-index

77  
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77  
docs citations

77  
times ranked

1288  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Zn-coordination polymer with serine-derived backbone and its use as bifunctional luminescence sensor for Ce(III) and Cu(II). <i>Journal of Solid State Chemistry</i> , 2022, 306, 122717.	2.9	4
2	Structure, magnetic properties and spin density of two alternative Mn(II) coordination polymers based on 1,4-bis(2-carboxyphenoxy)benzene. <i>Dalton Transactions</i> , 2022, 51, 4869-4877.	3.3	4
3	A 1D Cd-coordination polymer containing serine derivative and its application in luminescence sensor for Tb(III). <i>Journal of Molecular Structure</i> , 2022, 1265, 133388.	3.6	3
4	Crystal structure, TCPTP inhibition and cytotoxicity of the cobalt(II) complex with the 4-[[3-(pyridine-2-yl)-1H-pyrazol-1-yl]methyl]benzoic acid ligand. <i>Journal of Molecular Structure</i> , 2022, 1266, 133486.	3.2	1
5	Homologous series of coordination polymers based on semi-rigid tricarboxylato-bridged Co <sup>2+</sup> /Ni <sup>2+</sup> : Syntheses, structures, and magnetic properties. <i>Inorganica Chimica Acta</i> , 2021, 515, 120045.	2.4	4
6	A design for detecting phosphate ions in aqueous solution by luminescent Tb-coordination polymer. <i>Inorganica Chimica Acta</i> , 2021, 515, 120030.	2.4	8
7	A one-dimensional chiral gadolinium complex based on a tartaric acid derivative: crystal structure, thermal behavior and magnetic properties. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 761-765.	1.6	2
8	Construction of a one-dimensional cadmium coordination polymer based on a triangle flexible multicarboxylate linker. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 919-924.	1.6	0
9	Syntheses, crystal structures, and biological evaluations of new dinuclear platinum(II) complexes with 1,2,4-triazole derivatives as bridging ligands. <i>Dalton Transactions</i> , 2021, 50, 4527-4538.	3.3	7
10	Use of organic bulk-heterojunction solar cells as selective contacts in wide band-gap perovskite solar cells: advantages and limitations. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13979-13985.	10.3	5
11	Design and synthesis of three new copper coordination polymers: efficient degradation of an organic dye at alkaline pH. <i>Dalton Transactions</i> , 2021, 50, 13866-13876.	3.3	9
12	The dual inhibition against the activity and expression of tyrosine phosphatase PRL-3 from a rhodanine derivative. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 127981.	2.2	6
13	Analysis of the Oxygen Passivation Effects on MAPbI <sub>3</sub> and MAPbBr <sub>3</sub> in Fresh and Aged Solar Cells by the Transient Photovoltage Technique. <i>ChemPlusChem</i> , 2021, 86, 1316-1321.	2.8	8
14	Synthesis, structure and magnetocaloric properties of a new two-dimensional gadolinium(III) coordination polymer based on azobenzene-2,2',3,3'-tetracarboxylic acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 591-598.	0.5	2
15	Synthesis, structure, magnetism, luminescence and DFT analysis of three metal-organic complexes based on 2,5-di(1H-1,2,4-triazol-1-yl)terephthalic acid. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122368.	2.9	0
16	Two Cadmium(II) Complexes Constructed by 2-(3-(Pyridin-2-yl)-1H-pyrazol-1-yl)benzoate: Crystal Structures, Luminescent Properties and Hirshfeld Surface Analyses. <i>Journal of Chemical Crystallography</i> , 2020, 50, 122-132.	1.1	3
17	Potent and selective PTP1B inhibition by a platinum(II) complex: possible implications for a new antitumor strategy. <i>Chemical Communications</i> , 2020, 56, 102-105.	4.1	10
18	Effects of two different solvents on the syntheses, structural diversity, and magnetic properties of six Mn(II) complexes derived from 3,3'-((5-carboxy-1,3-phenylene)bis(oxy))dibenzoate and variable N-donor ligands. <i>CrystEngComm</i> , 2020, 22, 8088-8099.	2.6	7

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19	First Ln-MOF as a trifunctional luminescent probe for the efficient sensing of aspartic acid, Fe <sup>3+</sup> and DMSO. Dalton Transactions, 2020, 49, 7514-7524.	3.3	74
20	The first ternary Nd-MOF/GO/Fe <sub>3</sub> O <sub>4</sub> nanocomposite exhibiting an excellent photocatalytic performance for dye degradation. Dalton Transactions, 2020, 49, 10745-10754.	3.3	46
21	Structural diversity, magnetic properties, and luminescence sensing based Ni(ii)/Zn(ii) coordination polymers of the semirigid 3,3'-((5-carboxy-1,3-phenylene)bis(oxy))dibenzoate ligand. CrystEngComm, 2020, 22, 5207-5217.	2.6	5
22	A new family of lanthanide coordination polymers based on 3,3'-[[5-carboxylato-1,3-phenylene]bis(oxy)]dibenzoate: synthesis, crystal structures and magnetic and luminescence properties. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 763-770.	0.5	4
23	A novel three-dimensional tetranuclear Co <sup>II</sup> coordination polymer with water hexamers based on the V-shaped tetracarboxylate ligand 4-(2,4-dicarboxylatophenoxy)phthalate. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 863-868.	0.5	2
24	Luminescent and magnetic bifunctional coordination complex based on a chiral tartaric acid derivative and europium. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1220-1227.	0.5	8
25	Structural diversity, magnetic property, or luminescence sensing of Co(II) and Cd(II) coordination polymers derived from designed 3,3'-((5-carboxy-1,3-phenylene)bis(oxy))dibenzoic acid. Dalton Transactions, 2019, 48, 10220-10234.	3.3	17
26	Cadmium(II) three-dimensional coordination polymers constructed from 1,3,5-tris(4-carboxyphenoxy)benzene: synthesis, crystal structure, fluorescence and I <sub>2</sub> sorption characterization. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 575-583.	0.5	7
27	Exploration of Zinc(II) Complexes as Potent Inhibitors Against Protein Tyrosine Phosphatase 1B. Chemical Research in Chinese Universities, 2019, 35, 186-192.	2.6	6
28	Three new Zn <sup>II</sup> coordination polymers constructed from a semi-rigid tricarboxylic acid: structural changes caused by flexibility and luminescence sensing for hexavalent chromate anions. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1286-1298.	0.5	3
29	A Ce(III) complex potently inhibits the activity and expression of tyrosine phosphatase SHP-2. Dalton Transactions, 2019, 48, 17673-17682.	3.3	3
30	Structural diversity, magnetic properties and luminescence of Ni <sup>II</sup> , Co <sup>II</sup> and Zn <sup>II</sup> coordination polymers derived from 3,3'-[[5-carboxy-1,3-phenylene]bis(oxy)]dibenzoic acid and 1,10-phenanthroline. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1580-1592.	0.5	6
31	Syntheses, structures, magnetic properties and luminescence of four coordination polymers based on an asymmetric semirigid tricarboxylate ligand. Journal of Solid State Chemistry, 2019, 269, 56-64.	2.9	19
32	Binuclear Mn <sup>2+</sup> complexes of a biphenyltetracarboxylic acid with variable N-donor ligands: syntheses, structures, and magnetic properties. CrystEngComm, 2018, 20, 1818-1831.	2.6	20
33	Efficient pure white light emission based on a three-component La:Eu,Tb-doped luminescent lanthanide metal-organic framework. CrystEngComm, 2018, 20, 2043-2052.	2.6	24
34	Self-assembly of novel manganese (II) compounds based on bifunctional-group ligands: Synthesis, structures, and magnetic properties. Journal of Solid State Chemistry, 2018, 262, 351-359.	2.9	6
35	Synthesis, crystal structure and characterization of a three-dimensional Cd <sup>II</sup> coordination polymer constructed from 2,5-bis(1 <i>H</i> -1,2,4-triazol-1-yl)terephthalate. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 166-170.	0.5	3
36	A luminescent Cd(II)-based metal-organic framework for detection of Fe(III) ions in aqueous solution. Journal of Solid State Chemistry, 2018, 261, 31-36.	2.9	41

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37	A bifunctional chemosensor for detection of volatile ketone or hexavalent chromate anions in aqueous solution based on a Cd(II) metal-organic framework. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 970-980.	7.8	53
38	Crystal structure of catena-poly[diaqua-(1/42-tartrato-104O, O2:O222, O22222)cobalt(II)], C4H8CoO8. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 125-126.	0.3	1
39	A three-dimensional twofold interpenetrated cobalt(II) MOF containing a flexible carboxylate-based ligand: synthesis, structure and magnetic properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 418-423.	0.5	9
40	Exploring the syntheses, structures, topologies, luminescence sensing and magnetism of Zn(II) and Mn(II) coordination polymers based on a semirigid tricarboxylate ligand. <i>CrystEngComm</i> , 2018, 20, 5442-5456.	2.6	25
41	Irreversible solvent-assisted structural transformation in 3D metal-organic frameworks: Structural modification and enhanced iodine-adsorption properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 139-145.	3.9	9
42	A thermally stable three-dimensional cobalt(II) coordination polymer based on the V-shaped ligand 4-(4-carboxyphenoxy)isophthalate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1032-1037.	0.5	5
43	A two-dimensional cadmium(II) coordination polymer constructed from 4-carboxy-1-(4-carboxylatobenzyl)-2-propyl-1H-imidazole-5-carboxylate and 1-(4-carboxylatobenzyl)-2-propyl-1H-imidazole-4-carboxylate ligands. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 967-973.	0.5	1
44	Promising Antimicrobial Activity of an Oxime Based Palladium(II) Complex. <i>ChemistrySelect</i> , 2017, 2, 230-240.	1.5	15
45	Aspartate aminotransferase is potently inhibited by copper complexes: Exploring copper complex-binding proteome. <i>Journal of Inorganic Biochemistry</i> , 2017, 170, 46-54.	3.5	3
46	Self-assembly of lanthanide(III) coordination polymers from a bifunctional 2-(pyridin-2-yl)-1H-imidazole-4,5-dicarboxylate ligand with the assistance of oxalate: syntheses, structures, luminescence, and magnetic properties. <i>CrystEngComm</i> , 2017, 19, 1953-1964.	2.6	27
47	A dioxidovanadium(V) complex of NNO-donor Schiff base as a selective inhibitor of protein tyrosine phosphatase 1B: Synthesis, characterization, and biological activities. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 287-292.	5.5	26
48	Spectroscopic and molecular docking studies on the interaction of human serum albumin with copper(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 740-748.	3.9	13
49	Oximate-bridged copper(II) compounds: syntheses, molecular structures, magnetic, thermal and spectroscopic properties. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2329-2341.	2.2	1
50	Synthesis, structure, DFT calculations, electrochemistry, fluorescence, DNA binding and molecular docking aspects of a novel oxime based ligand and its palladium(II) complex. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 160, 336-346.	3.8	28
51	A new family of 1D, 2D and 3D frameworks aggregated from Ni5, Ni4 and Ni7 building units: synthesis, structure, and magnetism. <i>Dalton Transactions</i> , 2016, 45, 9267-9278.	3.3	18
52	The crystal structure of diaqua-(N-(2-hydroxy-5-nitrobenzyl)iminodiacetato-4N, O, O, O)chromium(III) based on synchrotron data, C11H13CrN2O9. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016, 231, 1047-1049.	0.3	0
53	A triazole Schiff base-based selective and sensitive fluorescent probe for Zn 2+ : A combined experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 154, 215-219.	3.9	18
54	Synthesis, structures and magnetic properties in 3d-electron-rich isostructural complexes based on chains with sole syn-anti carboxylate bridges. <i>Dalton Transactions</i> , 2015, 44, 7213-7222.	3.3	46

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55	Synthesis, structure, spectral characterization, electrochemistry and evaluation of antibacterial potentiality of a novel oxime-based palladium(II) compound. <i>European Journal of Medicinal Chemistry</i> , 2015, 89, 59-66.	5.5	32
56	Protein Tyrosine Phosphatase Inhibition by Metals and Metal Complexes. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2210-2224.	5.4	39
57	Crystal structure of diethyl [(4-nitrophenylamino)(2-hydroxyphenyl)methyl]phosphonate methanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1053-o1054.	0.2	0
58	2-[( <i>E</i> )-(4-Bromophenyl)iminomethyl]-4-chlorophenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o235-o236.	0.2	1
59	4-[(5-Chloro-2-hydroxybenzylidene)amino]-3-ethyl-1H-1,2,4-triazole-5(4H)-thione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o574-o575.	0.2	3
60	Self-assembly and magnetic properties of Ni( <i>Co</i> ) coordination polymers based on 1,4-bis(imidazol-1-yl)benzene and varying biphenyltetracarboxylates. <i>CrystEngComm</i> , 2014, 16, 7990-7999.	2.6	36
61	The first example of rhombic dodecahedral CuBr clusters in a novel mixed-valence Cu( <i>Co</i> ) benzimidazole complex. <i>CrystEngComm</i> , 2012, 14, 98-102.	2.6	12
62	Synthesis and evaluation of oxovanadium(IV) complexes of Schiff-base condensates from 5-substituted-2-hydroxybenzaldehyde and 2-substituted-benzenamine as selective inhibitors of protein tyrosine phosphatase 1B. <i>Dalton Transactions</i> , 2012, 41, 11116.	3.3	38
63	Potent and selective inhibition of T-cell protein tyrosine phosphatase (TCPTP) by a dinuclear copper( <i>Co</i> ) complex. <i>Chemical Communications</i> , 2012, 48, 1153-1155.	4.1	27
64	Synthesis, Crystal Structure and Hirshfeld Surface Analysis of [Cu(EDTB)][CdBr <sub>4</sub> ]·H <sub>2</sub> O (EDTB = N,N,N',N'-tetrakis-[(2-benzimidazolyl)methyl]-1,2-ethanediamine). <i>Journal of Chemical Crystallography</i> , 2012, 42, 621-627.	1.1	1
65	Mononuclear copper(II) complexes with 3,5-substituted-4-salicylidene-amino-3,5-dimethyl-1,2,4-triazole: synthesis, structure and potent inhibition of protein tyrosine phosphatases. <i>Dalton Transactions</i> , 2011, 40, 6532.	3.3	30
66	Potent inhibition of protein tyrosine phosphatases by quinquedentate binuclear copper complexes: synthesis, characterization and biological activities. <i>Dalton Transactions</i> , 2011, 40, 12926.	3.3	28
67	Synthesis, Crystal Structure and Spectroscopic Properties of an Oximate Bridged Cu(II) Dimer. <i>Journal of Chemical Crystallography</i> , 2011, 41, 502-507.	1.1	14
68	Synthesis and Crystal Structure of a Complex of Palladium(II) with 2-Hydroxyimino-3-(2-hydrazonepyridyl)-butane. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1355-1359.	1.1	18
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73	Synthesis and characterisation of Mn(ii), Co(ii) and Cd(ii) coordination polymers of 1,2,4-triazole-3,5-dicarboxylic acid. Dalton Transactions, 2010, 39, 5877.	3.3	17
74	Potent inhibition of protein tyrosine phosphatase 1B by copper complexes: implications for copper toxicity in biological systems. Chemical Communications, 2010, 46, 3547.	4.1	42
75	Ternary oxovanadium(IV) complexes of ONO-donor Schiff base and polypyridyl derivatives as protein tyrosine phosphatase inhibitors: synthesis, characterization, and biological activities. Journal of Biological Inorganic Chemistry, 2009, 14, 841-851.	2.6	103
76	Studies on the Interaction of Dinitratobis(phen) Cadmium Complex with DNA. Chinese Journal of Chemistry, 2007, 25, 1267-1272.	4.9	3
77	A Novel Dinuclear Nickel(II) Complex with Three Bridges of Cl-, OAc- and (-OCH <sub>2</sub> CH <sub>2</sub> O-) Group of N, N, N', N'-Tetrakis(2-benzimidazolyl methyl-1, 4-di-ethylene amino) Glycol Ether. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 1761-1762.	1.2	3