

Hai-Bin Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Assembling Ag/LiO-66-NH ₂ Composites for Photocatalytic Dye Degradation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1896-1901.	1.9	6
2	Design of efficient ZIF-derived nitrogen and sulfur co-doped nanocarbons toward oxygen reduction through host-guest reactions. <i>Journal of Materials Science</i> , 2022, 57, 9134-9144.	1.7	1
3	KOH-promoted in-situ construction of zeolitic imidazolate framework-derived CoO/Co-N-C hybrids jointly boosting oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165198.	2.8	6
4	Boosting the oxygen reduction performance of MOF-5-derived Fe-N-C electrocatalysts via a dual strategy of cation-exchange and guest-encapsulation. <i>Electrochimica Acta</i> , 2021, 366, 137408.	2.6	24
5	Efficient Metal-free ZIF-Derived B, N-doped Carbon Electrocatalyst toward Oxygen Reduction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1326-1333.	0.6	6
6	Significance of the porosity of luminescent metal-organic frameworks for sensitive sensing of metal cation. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107760.	1.8	0
7	ZIF-derived bifunctional Cu@Cu-N-C composite electrocatalysts towards efficient electroreduction of oxygen and carbon dioxide. <i>Electrochimica Acta</i> , 2020, 331, 135273.	2.6	42
8	Facile Synthesis of MOF-derived Mn ₃ O ₄ @N-doped Carbon with Efficient Oxygen Reduction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1426-1431.	0.6	8
9	Synthesis of a potential bendamustine deschloro dimer impurity. <i>Journal of Chemical Research</i> , 2020, , 174751982094593.	0.6	0
10	Fabrication of Mn,N-doped Carbon Electrocatalysts from a Cationic Cd(II)-based MOF Involving Anion-exchange with MnO ₄ ⁻ Anions. <i>ChemNanoMat</i> , 2020, 6, 1776-1781.	1.5	4
11	Construction of efficient Mn-N-C oxygen reduction electrocatalyst from a Mn(II)-based MOF with N-rich organic linker. <i>Inorganic Chemistry Communication</i> , 2020, 118, 107982.	1.8	13
12	Cu dopant triggering remarkable enhancement in activity and durability of Fe-N-C electrocatalysts toward oxygen reduction. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114389.	1.9	13
13	Exploring Efficient Fe/N/C Electrocatalysts for Oxygen Reduction from Nonporous Interpenetrated Metal-Organic Framework Involving in Situ Formation of ZnO Templates. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3208-3217.	3.2	15
14	Highly Efficient Fe-N-C Electrocatalyst for Oxygen Reduction Derived from Core-Shell-Structured Fe(OH) ₃ @Zeolitic Imidazolate Framework. <i>ACS Applied Energy Materials</i> , 2019, 2, 3194-3203.	2.5	32
15	Anion exchange of a cationic Cd(ii)-based metal-organic framework with potassium ferricyanide towards highly active Fe ₃ C-containing Fe/N/C catalysts for oxygen reduction. <i>Chemical Communications</i> , 2019, 55, 6930-6933.	2.2	20
16	Efficient Fe-Co-N-C Electrocatalyst Towards Oxygen Reduction Derived from a Cationic Co ^{II} -based Metal-Organic Framework Modified by Anion-Exchange with Potassium Ferricyanide. <i>Chemistry - an Asian Journal</i> , 2019, 14, 995-1003.	1.7	24
17	An acid-base resistant paddle-wheel Cu(II) coordination polymer for visible-light-driven photodegradation of organic dyes. <i>Polyhedron</i> , 2019, 157, 367-373.	1.0	16
18	A robust polyoxometalate-templated four-fold interpenetrating metal-organic framework showing efficient organic dye photodegradation in various pH aqueous solutions. <i>Dalton Transactions</i> , 2018, 47, 5245-5251.	1.6	19

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19	Rare 3-D porous coordination networks based on N, S-mixed coordination showing selective detection of Fe 3+ ion. <i>Inorganic Chemistry Communication</i> , 2018, 93, 37-41.	1.8	3
20	Aqueous detection of antibiotics with a Cd(II)-based metal-organic framework constructed by a tetra(1,2,4-triazole)-functionalized-bis(triphenylamine) ligand. <i>Inorganic Chemistry Communication</i> , 2018, 96, 202-205.	1.8	22
21	Transition-metal-based (Co 2+ , Ni 2+ and Cd 2+) coordination polymers constructed by a polytopic ligand integrating both flexible aliphatic and rigid aromatic carboxylate groups: Aqueous detection of nitroaromatics. <i>Polyhedron</i> , 2017, 128, 18-29.	1.0	10
22	Syntheses, crystal structures and photophysical properties of d ¹⁰ transition-metal (Ag ⁺ , Cu ⁺ , Cd ²⁺ and Zn ²⁺) coordination complexes based on a thiophene-containing heterocyclic thioamide. <i>Journal of Coordination Chemistry</i> , 2017, 70, 2900-2915.	0.8	8
23	Syntheses, structures, and magnetic properties of two unique Cu(II)-based coordination polymers involving a crystal-to-crystal structural transformation from a 1D chain to a 3D network. <i>Dalton Transactions</i> , 2017, 46, 17025-17031.	1.6	14
24	Two unique isomorphous Zn ²⁺ and Co ²⁺ -based metal-organic frameworks comprising octahedral cage. <i>Inorganic Chemistry Communication</i> , 2017, 83, 40-43.	1.8	6
25	Transition-metal-based (Zn ²⁺ and Cd ²⁺) metal-organic frameworks as fluorescence "turn-off" sensors for highly sensitive and selective detection of hydrogen sulfide. <i>Inorganica Chimica Acta</i> , 2017, 466, 410-416.	1.2	21
26	Dynamic in situ solvothermal reactions between ZnX ₂ (X = Cl, ClO ₄) and a heterocyclic disulfide. <i>Transition Metal Chemistry</i> , 2017, 42, 655-660.	0.7	0
27	Construction of Noninterpenetrating and Interpenetrating (4-Fold and 8-Fold) 3-D Cd(II) Networks Growth and Design, 2016, 16, 5859-5868.	1.4	39
28	Solvothermal heterocyclic disulfide/CuX ₂ (X = Cl, ClO ₄) reactions involving dynamic S-S and C-S bond cleavage. <i>Transition Metal Chemistry</i> , 2016, 41, 57-63.	0.7	4
29	An anionic zeolite-like metal-organic framework (AZMOF) with a Moravia network for organic dye absorption through cation-exchange. <i>Dalton Transactions</i> , 2016, 45, 10909-10915.	1.6	37
30	Ni(II)/Cu(I) based coordination polymers with heterofunctional ligands integrating pyridine and pyrimidinethione structural motifs. <i>Polyhedron</i> , 2016, 109, 53-58.	1.0	5
31	Construction of a metal-organic framework by octuple intercatenation of discrete icosahedral coordination cages. <i>CrystEngComm</i> , 2015, 17, 2080-2082.	1.3	14
32	A unique 3D metal-organic framework based on a 12-connected pentanuclear Cd(II) cluster exhibiting proton conduction. <i>Dalton Transactions</i> , 2015, 44, 14741-14746.	1.6	36
33	of alkyl side chain. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1306-1316.	0.8	3
34	Side-chain-modulated supramolecular assembly between CuX ₂ (X=Cl, Br) and quasi-planar π -conjugated organic synthons of 1, 3, 5-tris(2-alkylthiopyrimidinyl)benzene: Crystal structures and conductive properties. <i>Polyhedron</i> , 2015, 85, 60-68.	1.0	4
35	Unprecedented metal-mediated in situ reactions of heterocyclic disulfide of di[4-(pyridin-2-yl)pyrimidinyl]disulfide. <i>Dalton Transactions</i> , 2014, 43, 17156-17162.	1.6	13
36	Solvent-directed Structure Variation from Mononuclear to Bis-methoxy-bridged Binuclear Copper (II) Compound: Crystal Structures and Proton-conduction. <i>Journal of Chemical Research</i> , 2014, 38, 668-672.	0.6	0

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37	Quasi-Planar Organic Synthon and S $\cdot\cdot$ X (X = S or H \cdot C) Contacts in Flat Copper Coordination Chains: Syntheses, Structures and Conductive Behaviour. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1356-1363.	1.0	4
38	Semiconductive tetrahedral M ₄ L ₄ coordination cages (M=Ni ²⁺ and Co ²⁺) constructed by a rigid conjugated tris(N,N-chelate) tripod. <i>Synthetic Metals</i> , 2014, 190, 34-38.	2.1	5
39	Two 1D Coordination Polymers with Bis[4-(pyridin-4-yl)pyrimidinyl]disulfide (4 $\cdot\cdot$ pds) as Bridging Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1822-1825.	0.6	3
40	A Two-Dimensional Semiconductive Cu ₂ L ₂ -Based Layered-Structure with Rigid Conjugated Tris-Bidentate Tripodal Schiff-Base Chelator. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 793-797.	1.9	1
41	From Zero-dimensional to One-dimensional: Use of Metal-Ligand Affinity in Supramolecular Assembly. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 125-128.	0.6	2
42	Assembling Isomeric heterocyclic disulfide ligands with copper(I) iodide: effect of ligand structure on their assembly structures and S \cdot S reactivity. <i>Journal of Coordination Chemistry</i> , 2013, 66, 435-443.	0.8	4
43	Metal-directed self-assembly of M ₃ L ₂ (M=Zn, Cd) metal-organic architectures with a tripodal tris-bidentate chelator. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2775-2787.	0.8	5
44	A One-Dimensional Coordination Chain Constructed by Mercury (II) Chloride and bis[4-(pyridine-2-yl)Pyrimidin-2-ylthio]Methane. <i>Journal of Chemical Research</i> , 2012, 36, 598-599.	0.6	1
45	Copper coordination complexes of bis(4-(pyridine-2-yl)pyrimidin-2-ylthio)methane with <i>in situ</i> metal redox reactions. <i>Journal of Coordination Chemistry</i> , 2012, 65, 2087-2097.	0.8	7
46	A comparative study of coordination architectures constructed by di[4-(pyridin-3-yl)pyrimidinyl]disulfide and different metal salts: crystal structures and luminescence properties. <i>Transition Metal Chemistry</i> , 2012, 37, 285-289.	0.7	3
47	Variable transformations of di[4-(pyridin-2-yl)pyrimidinyl]disulfide induced by different metal salts. <i>Polyhedron</i> , 2012, 31, 801-806.	1.0	12
48	Metallosupramolecular silver complexes with ligands of 4,4'-di(2-pyridyl-4-pyrimidinyl) disulfide and 4,4'-di(3-pyridyl-4-pyrimidinyl) disulfide: Syntheses, structures and luminescent properties. <i>Inorganica Chimica Acta</i> , 2011, 376, 694-698.	1.2	8
49	In situ construction of metal-organic sulfur-containing heterocycle frameworks. <i>Coordination Chemistry Reviews</i> , 2011, 255, 318-338.	9.5	92
50	Syntheses, Crystal Structures, and Luminescence Properties of Dinuclear Metal (Ag ⁺ and Tl ⁺) Coordination Compounds with 4,4'-bis(2-pyridyl-4-pyrimidinyl)disulfide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1423-1426.	0.6	6
51	Tetraakis[4-acetato- λ -8-O \cdot -bis{[2-methylsulfanyl-4-(pyridin-4-yl)pyrimidine]copper(II)}]copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1168-m1168.	0.2	0
52	Tetraakis[2-[4-(4-pyridyl)pyrimidin-2-ylsulfanyl]acetato]zinc. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1169-m1169.	0.2	0
53	Macrocyclic Silver Coordination Compounds with bis[4-(Pyridine-2-yl)Pyrimidin-2-ylthio]methane: Crystal Structures and Luminescent Properties. <i>Journal of Chemical Research</i> , 2011, 35, 144-146.	0.6	2
54	Reaction Diversity of the S-S Bond Promoted by Metal Coordination: From Discovery to Controllable Reactions. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1143-1148.	1.0	25

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55	Diverse reactions of S function under metal-mediated and metal-free thermolysis conditions. <i>Inorganic Chemistry Communication</i> , 2010, 13, 30-32.	1.8	14
56	catena-Poly[[silver(I)-[1/4-4-(2-pyridyl)pyrimidine-2-sulfonato]] monohydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m514-m514.	0.2	2
57	Bis[1/4-bis{[4-(2-pyridyl)pyrimidin-2-yl]sulfanyl}methane]disilver(I) bis(perchlorate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m1691-m1691.	0.2	0
58	catena-Poly[[di-1/4-iodido-dicopper(I)(Cu ⁺ Cu)]bis(1/4-4,4 ² -di-3-pyridyl-2,2 ² -disulfanediyldipyrimidine)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m41-m41.	0.2	1
59	catena-Poly[[diiodocadmium(II)]-1/4-4,4 ² -di-4-pyridyl-2,2 ² -disulfanediyldipyrimidine]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m1-m1.	0.2	0
60	A 2-D coordination polymer with Cu ₄ ^IS₄-core as joints. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2276-2282.	0.8	7
61	Isostructural zinc (II) and cadmium (II) coordination complexes with 4-pyridin-4-yl-pyrimidine-2-sulfonate: Structure and fluorescent properties. <i>Journal of Molecular Structure</i> , 2009, 928, 95-98.	1.8	5
62	One-dimensional helical Zn(II) and repeated rhomboidal Fe(II) coordination chains containing the twisted ligand 4,4 ² -di(4-pyridyl-4-pyrimidinyl)disulfide. <i>Journal of Molecular Structure</i> , 2009, 936, 99-103.	1.8	13
63	Different crystal structures and luminescent properties of zinc and cadmium coordination polymers constructed from two flexible thioether ligands with different alkyl chains. <i>Polyhedron</i> , 2009, 28, 1040-1048.	1.0	22
64	4,4 ² -Di-3-pyridyl-2,2 ² -dithiodipyrimidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1253-o1253.	0.2	4
65	{Bis[4-(2-pyridyl)pyrimidin-2-yl]sulfane}dichloridocobalt(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m784-m784.	0.2	2
66	Tetraaquabis{2-[4-(3-pyridyl)pyrimidin-2-ylsulfanyl]acetato}manganese(II) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1126-m1126.	0.2	3
67	(S)-1-[3,5-Bis(trifluoromethyl)phenyl]-N-methylethylamine ⁺ (R)-2-hydroxybutanedioic acid (1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o197-o197.	0.2	0
68	4,4 ² -Di-4-pyridyl-2,2 ² -dithiodipyrimidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1588-o1588.	0.2	0
69	Metallosupramolecular silver and mercury complexes constructed from two bis[4-(3-pyridyl)pyrimidinylthiomethyl]benzenes: Effect of positional isomerism of ligands and metal ions. <i>Polyhedron</i> , 2008, 27, 2167-2174.	1.0	13
70	3-{[4-(4-Pyridyl)pyrimidin-2-yl]sulfanylmethyl}benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o2347-o2347.	0.2	0
71	Size-Selective Homocoupling of Arylboronic Acids Mediated by a Copper-Based Metal ⁺ Organic ⁺ Framework. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 0, , 1.	1.9	1
72	Efficient Trimetallic Metal ⁺ Organic ⁺ Framework Derived Cu/Fe ₃ C/N ⁺ C Electrocatalysts for Oxygen Reduction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	0.6	0