

Hai-Bin Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In situ construction of metal-organic sulfur-containing heterocycle frameworks. <i>Coordination Chemistry Reviews</i> , 2011, 255, 318-338.	9.5	92
2	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
3	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
4	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
5	A unique 3D metal-organic framework based on a 12-connected pentanuclear Cd cluster exhibiting proton conduction. <i>Dalton Transactions</i> , 2015, 44, 14741-14746.	1.6	36
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Diverse reactions of S-S function under metal-mediated and metal-free thermolysis conditions. <i>Inorganic Chemistry Communication</i> , 2010, 13, 30-32.	1.8	14
18	Construction of a metal-organic framework by octuple intercatenation of discrete icosahedral coordination cages. <i>CrystEngComm</i> , 2015, 17, 2080-2082.	1.3	14

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19	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. Dalton Transactions, 2017, 46, 17025-17031.	1.6	14
20	Metallosupramolecular silver and mercury complexes constructed from two bis[4-(3-pyridyl)pyrimidinylthiomethyl]benzenes: Effect of positional isomerism of ligands and metal ions. Polyhedron, 2008, 27, 2167-2174.	1.0	13
21	One-dimensional helical Zn(II) and repeated rhomboidal Fe(II) coordination chains containing the twisted ligand 4,4'-di(4-pyridyl-4-pyrimidinyl)disulfide. Journal of Molecular Structure, 2009, 936, 99-103.	1.8	13
22	Unprecedented metal-mediated in situ reactions of heterocyclic disulfide of di[4-(pyridin-2-yl)pyrimidinyl]disulfide. Dalton Transactions, 2014, 43, 17156-17162.	1.6	13
23	Construction of efficient Mn-N-C oxygen reduction electrocatalyst from a Mn(II)-based MOF with N-rich organic linker. Inorganic Chemistry Communication, 2020, 118, 107982.	1.8	13
24	Cu dopant triggering remarkable enhancement in activity and durability of Fe-N-C electrocatalysts toward oxygen reduction. Journal of Electroanalytical Chemistry, 2020, 873, 114389.	1.9	13
25	Variable transformations of di[4-(pyridin-2-yl)pyrimidinyl]disulfide induced by different metal salts. Polyhedron, 2012, 31, 801-806.	1.0	12
26	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. Polyhedron, 2017, 128, 18-29.	1.0	10
27	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. Inorganica Chimica Acta, 2011, 376, 694-698.	1.2	8
28	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. Journal of Coordination Chemistry, 2017, 70, 2900-2915.	0.8	8
29	Facile Synthesis of MOF-derived Mn ₃ O ₄ @N-doped Carbon with Efficient Oxygen Reduction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1426-1431.	0.6	8
30	A 2-D coordination polymer with Cu ₄ S ₄ -core as joints. Journal of Coordination Chemistry, 2009, 62, 2276-2282.	0.8	7
31	Copper coordination complexes of bis(4-(pyridin-2-yl)pyrimidin-2-ylthio)methane with <i>in situ</i> metal redox reactions. Journal of Coordination Chemistry, 2012, 65, 2087-2097.	0.8	7
32	Syntheses, Crystal Structures, and Luminescence Properties of Dinuclear Metal (Ag ⁺ and Tl ⁺) ETQqO ₀ rgBT /Overlock 10 T Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1423-1426.	0.6	6
33	Two unique isomorphous Zn ²⁺ and Co ²⁺ -based metal-organic frameworks comprising octahedral cage. Inorganic Chemistry Communication, 2017, 83, 40-43.	1.8	6
34	Efficient Metal-free ZIF-8 Derived B, N-doped Carbon Electrocatalyst toward Oxygen Reduction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1326-1333.	0.6	6
35	Assembling Ag/LiO-66-NH ₂ Composites for Photocatalytic Dye Degradation. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1896-1901.	1.9	6
36	KOH-promoted in-situ construction of zeolitic imidazolate framework-derived CoO/Co-N-C hybrids jointly boosting oxygen reduction reaction. Journal of Alloys and Compounds, 2022, 912, 165198.	2.8	6

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37	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
38	Metal-directed self-assembly of M_3L_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
39	Semiconductive tetrahedral M_4L_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
40	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
41	Assembling Isomeric heterocyclic disulfide ligands with copper(I) iodide: effect of ligand structure on their assembly structures and S^{\bullet} reactivity. <i>Journal of Coordination Chemistry</i> , 2013, 66, 435-443.	0.8	4
42	Quasi-planar Organic Synthons and $S^{\bullet} \cdots X$ ($X = S$ or $H^{\bullet}C$) 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
43	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
44	Solvothermal heterocyclic disulfide/ CuX_2 ($X=Cl, ClO_4$) reactions involving dynamic $S^{\bullet}S$ and $C^{\bullet}S$ bond cleavage. <i>Transition Metal Chemistry</i> , 2016, 41, 57-63.	0.7	4
45	Fabrication of Mn,N-codoped 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
46	4,4'-Di-3-pyridyl-2,2'-dithiodiprimidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1253-o1253.	0.2	4
47	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
48	Two 1D Coordination Polymers with Bis[4-(pyridin-4-yl)pyrimidinyl]disulfide (4ppds) as Bridging Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1822-1825.	0.6	3
49	of alkyl side chain. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1306-1316.	0.8	3
50	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
51	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
52	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
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	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

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55	{Bis[4-(2-pyridyl)pyrimidin-2-yl]sulfane}dichloridocobalt(II). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m784-m784.	0.2	2
56	A One-Dimensional Coordination Chain Constructed by Mercury (II) Chloride and bis[4-(pyridine-2-yl)Pyrimidin-2-Ylthio]Methane. Journal of Chemical Research, 2012, 36, 598-599.	0.6	1
57	A Two-Dimensional Semiconductive Cu ₂ I ₂ -Based Layered-Structure with Rigid Conjugated Tris-Bidentate Tripodal Schiff-Base Chelator. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 793-797.	1.9	1
58	Size-Selective Homocoupling of Arylboronic Acids Mediated by a Copper-Based Metal-Organic-Framework. Journal of Inorganic and Organometallic Polymers and Materials, 0, , 1.	1.9	1
59	catena-Poly[[di- ¹ / ₄ -iodido-dicopper(I)(Cu ⁺ Cu)]bis(¹ / ₄ -4,4 ⁺ -di-3-pyridyl-2,2 ⁺ -disulfanediyl)dipyrimidine)]. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m41-m41.	0.2	1
60	Design of efficient ZIF-derived nitrogen and sulfur co-doped nanocarbons toward oxygen reduction through host-guest reactions. Journal of Materials Science, 2022, 57, 9134-9144.	1.7	1
61	Bis(¹ / ₄ -bis{[4-(2-pyridyl)pyrimidin-2-yl]sulfanyl}methane)disilver(I) bis(perchlorate). Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1691-m1691.	0.2	0
62	Tetra- ¹ / ₄ -acetato- ¹ / ₈ O ²⁻ -bis{[2-methylsulfanyl-4-(pyridin-4-yl- ¹ / _N)pyrimidine]copper(II)}(Cu ⁺ Cu). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1168-m1168.	0.2	0
63	Tetraaquabis{2-[4-(4-pyridyl)pyrimidin-2-ylsulfanyl]acetato}zinc. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1169-m1169.	0.2	0
64	Solvent-directed Structure Variation from Mononuclear to Bis-methoxy-bridged Binuclear Copper (II) Compound: Crystal Structures and Proton-conduction. Journal of Chemical Research, 2014, 38, 668-672.	0.6	0
65	Dynamic in situ solvothermal reactions between ZnX ₂ (X = Cl, ClO ₄) and a heterocyclic disulfide. Transition Metal Chemistry, 2017, 42, 655-660.	0.7	0
66	Significance of the porosity of luminescent metal-organic frameworks for sensitive sensing of metal cation. Inorganic Chemistry Communication, 2020, 112, 107760.	1.8	0
67	Synthesis of a potential bendamustine deschloro dimer impurity. Journal of Chemical Research, 2020, , 174751982094593.	0.6	0
68	3-{[4-(4-Pyridyl)pyrimidin-2-yl]sulfanylmethyl}benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2347-o2347.	0.2	0
69	(S)-1-[3,5-Bis(trifluoromethyl)phenyl]-N-methylethylamine ⁺ (R)-2-hydroxybutanedioic acid (1/1). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o197-o197.	0.2	0
70	4,4 ⁺ -Di-4-pyridyl-2,2 ⁺ -dithiodipyrimidine. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1588-o1588.	0.2	0
71	catena-Poly[[diiodidocadmium(II)]- ¹ / ₄ -4,4 ⁺ -di-4-pyridyl-2,2 ⁺ -disulfanediyl)dipyrimidine]. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1-m1.	0.2	0
72	Efficient Trimetallic Metal-Organic-Framework Derived Cu/Fe ₃ C/N ⁺ C Electrocatalysts for Oxygen Reduction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	0.6	0