

# Zheng-Bo Han

## List of Publications by Year in descending order

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79  
papers

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#	ARTICLE	IF	CITATIONS
1	Exceptionally Robust In-Based Metal-Organic Framework for Highly Efficient Carbon Dioxide Capture and Conversion. <i>Inorganic Chemistry</i> , 2016, 55, 3558-3565.	1.9	199
2	Robust Bifunctional Lanthanide Cluster Based Metal-Organic Frameworks (MOFs) for Tandem Deacetalization-Knoevenagel Reaction. <i>Inorganic Chemistry</i> , 2018, 57, 2193-2198.	1.9	162
3	Microporous Hexanuclear Ln(III) Cluster-Based Metal-Organic Frameworks: Color Tunability for Barcode Application and Selective Removal of Methylene Blue. <i>Inorganic Chemistry</i> , 2017, 56, 511-517.	1.9	136
4	An In <sup>III</sup> -based anionic metal-organic framework: sensitization of lanthanide (III) ions and selective absorption and separation of cationic dyes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14157-14164.	5.2	128
5	Two Series of Solvent-Dependent Lanthanide Coordination Polymers Demonstrating Tunable Luminescence and Catalysis Properties. <i>Crystal Growth and Design</i> , 2014, 14, 3002-3009.	1.4	107
6	An exceptionally stable core-shell MOF/COF bifunctional catalyst for a highly efficient cascade deacetalization-Knoevenagel condensation reaction. <i>Chemical Communications</i> , 2019, 55, 6377-6380.	2.2	107
7	Superhydrophobic/Superoleophilic MOF Composites for Oil-Water Separation. <i>Inorganic Chemistry</i> , 2019, 58, 2261-2264.	1.9	94
8	Hollow core-shell ZnO@ZIF-8 on carbon cloth for flexible supercapacitors with ultrahigh areal capacitance. <i>Chemical Communications</i> , 2019, 55, 1746-1749.	2.2	90
9	Unprecedented Marriage of a Cationic Pentanuclear Cluster and a 2D Polymeric Anionic Layer Based on a Flexible Tripodal Ligand and a Cu <sup>II</sup> Ion. <i>Inorganic Chemistry</i> , 2010, 49, 769-771.	1.9	89
10	Mn(II)-Based Porous Metal-Organic Framework Showing Metamagnetic Properties and High Hydrogen Adsorption at Low Pressure. <i>Inorganic Chemistry</i> , 2012, 51, 674-679.	1.9	79
11	Robust high-connected rare-earth MOFs as efficient heterogeneous catalysts for CO <sub>2</sub> conversion. <i>Chemical Communications</i> , 2017, 53, 3224-3227.	2.2	79
12	Recent progress in lanthanide metal-organic frameworks and their derivatives in catalytic applications. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 590-619.	3.0	74
13	Robust Molecular Bowl-Based Metal-Organic Frameworks with Open Metal Sites: Size Modulation To Increase the Catalytic Activity. <i>Inorganic Chemistry</i> , 2015, 54, 3719-3721.	1.9	61
14	Hydrothermal syntheses, crystal structures and magnetic properties of two copper(ii) complexes involved in situ ligand synthesis. <i>Dalton Transactions</i> , 2007, , 3020.	1.6	58
15	A highly stable nanofibrous Eu-MOF membrane as a convenient fluorescent test paper for rapid and cyclic detection of nitrobenzene. <i>Chemical Communications</i> , 2019, 55, 4941-4944.	2.2	58
16	Two 3D chiral coordination polymers with 4-connected 66 topological net: synthesis, structure and magnetic properties. <i>Dalton Transactions</i> , 2009, , 9807.	1.6	55
17	Chitosan-Coated Metal-Organic-Framework Nanoparticles as Catalysts for Tandem Deacetalization-Knoevenagel Condensation Reactions. <i>ACS Applied Nano Materials</i> , 2020, 3, 6316-6320.	2.4	54
18	MOF/PEDOT/HPMo-based polycomponent hierarchical hollow micro-vesicles for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2948-2958.	5.2	53

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19	Ambient-Light-Promoted Three-Component Annulation: Synthesis of Perfluoroalkylated Pyrimidines. <i>Organic Letters</i> , 2017, 19, 2358-2361.	2.4	49
20	Synthesis, crystal structure and magnetic properties of two 3-D gadolinium complexes. <i>CrystEngComm</i> , 2009, 11, 2629.	1.3	48
21	MOF-derived sponge-like hierarchical porous carbon for flexible all-solid-state supercapacitors. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1692-1699.	3.2	48
22	A luminescent metal-organic framework for highly selective sensing of nitrobenzene and aniline. <i>RSC Advances</i> , 2016, 6, 87945-87949.	1.7	42
23	Highly Efficient Cooperative Catalysis of Single-Site Lewis Acid and Brønsted Acid in a Metal-Organic Framework for the Biginelli Reaction. <i>Inorganic Chemistry</i> , 2019, 58, 7657-7661.	1.9	42
24	Thiadiazole-functional porous metal-organic framework as luminescent probe for Cd <sup>2+</sup> . <i>CrystEngComm</i> , 2013, 15, 8883.	1.3	41
25	Functional Hydrogen-Bonded Supramolecular Framework for K <sup>+</sup> Ion Sensing. <i>Crystal Growth and Design</i> , 2015, 15, 531-533.	1.4	40
26	A 3D chiral porous In(III) coordination polymer with PtS topological net. <i>Dalton Transactions</i> , 2011, 40, 9154.	1.6	39
27	Spontaneously resolved 3D homochiral In(III) coordination polymer with extended In-OH-In helical chains. <i>CrystEngComm</i> , 2008, 10, 1070.	1.3	36
28	Syntheses and magnetic properties of three Mn(II) coordination polymers based on a tripodal flexible ligand. <i>CrystEngComm</i> , 2012, 14, 1568-1574.	1.3	36
29	Solvothermal synthesis of two unique metal-organic frameworks: a 3-fold interpenetrating (3,4,5)-connected network and a 2-fold interpenetrating (4,5)-connected network. <i>CrystEngComm</i> , 2010, 12, 348-351.	1.3	35
30	Anionic metal-organic framework for high-efficiency pollutant removal and selective sensing of Fe(III) ions. <i>RSC Advances</i> , 2016, 6, 60940-60944.	1.7	35
31	Palladium Nanoparticles Encapsulated in the MIL-101-Catalyzed One-Pot Reaction of Alcohol Oxidation and Aldimine Condensation. <i>Inorganic Chemistry</i> , 2018, 57, 13586-13593.	1.9	35
32	Trifunctional Metal-Organic Framework Catalyst for CO <sub>2</sub> Conversion into Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2021, 60, 6152-6156.	1.9	35
33	The applications and prospects of hydrophobic metal-organic frameworks in catalysis. <i>Dalton Transactions</i> , 2021, 50, 39-58.	1.6	34
34	A dual-functional Cd(II)-organic-framework demonstrating selective sensing of Zn <sup>2+</sup> and Fe <sup>3+</sup> ions exclusively and size-selective catalysis towards cyanosilylation. <i>RSC Advances</i> , 2015, 5, 10119-10124.	1.7	32
35	Robust Cationic Calix[4]arene Polymer as an Efficient Catalyst for Cycloaddition of Epoxides with CO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 7247-7254.	1.8	30
36	Luminescent lanthanide-organic polyrotaxane framework as a turn-off sensor for nitrobenzene and Fe <sup>3+</sup> . <i>RSC Advances</i> , 2016, 6, 19459-19462.	1.7	27

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37	Atmosphere-Pressure Methane Oxidation to Methyl Trifluoroacetate Enabled by a Porous Organic Polymer-Supported Single-Site Palladium Catalyst. <i>ACS Catalysis</i> , 2021, 11, 1008-1013.	5.5	27
38	3D hierarchical core-shell spiny globe shaped $\text{Co}_2\text{O}_4\text{@CoO}$ for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3710-3721.	5.2	27
39	Assembling Anderson-type polyoxometalates with manganese(ii) in the presence of pyridylacrylic acid ligands: a 2D layer and two polymorphs. <i>CrystEngComm</i> , 2011, 13, 5384.	1.3	26
40	Rapid visual detection of nitroaromatic explosives using a luminescent europium-organic framework material. <i>Forensic Science International</i> , 2019, 297, 1-7.	1.3	26
41	Robust Bifunctional Core-Shell MOF@POP Catalyst for One-Pot Tandem Reaction. <i>Inorganic Chemistry</i> , 2018, 57, 14467-14470.	1.9	25
42	Two unique self-penetrating metal-organic frameworks based on flexible tripodal ligands, Cu(ii) and N-containing bridging ligands. <i>CrystEngComm</i> , 2011, 13, 6945.	1.3	24
43	Three 3D coordination polymers based on [1,1'-4,4'-terphenyl]-2,4,5-tetracarboxylate demonstrating magnetic properties and selective sensing of $\text{Al}^{3+}/\text{Fe}^{3+}$ over mixed ions. <i>RSC Advances</i> , 2015, 5, 1605-1611.	1.7	23
44	The structures, cytotoxicity, apoptosis and molecular docking controlled by the aliphatic chain of palladium(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2016, 157, 34-45.	1.5	23
45	A bifunctional luminescent europium-organic framework for highly selective sensing of nitrobenzene and 4-aminophenol. <i>RSC Advances</i> , 2017, 7, 45029-45033.	1.7	23
46	Palladium nanoparticles supported on UiO-66-NH <sub>2</sub> as heterogeneous catalyst for epoxidation of styrene. <i>Inorganic Chemistry Communication</i> , 2019, 100, 51-55.	1.8	23
47	ZIF-67-derived $\text{NiCo}_2\text{O}_4\text{@Co}_2\text{P/Ni}_2\text{P}$ honeycomb nanosheets on carbon cloth for high-performance asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 5100-5112.	3.0	22
48	Pure inorganic multi-color electrochromic thin films: vanadium-substituted Dawson type polyoxometalate based electrochromic thin films with tunable colors from transparent to blue and purple. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5175-5182.	2.7	20
49	MOF-templated nitrogen-doped porous carbon materials as efficient electrocatalysts for oxygen reduction reactions. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1231-1237.	3.0	19
50	Synthesis, characterization, and DNA interaction of novel Pt(II) complexes and their cytotoxicity, apoptosis and molecular docking. <i>RSC Advances</i> , 2015, 5, 47798-47808.	1.7	16
51	Facile Synthesis of ZIF-8/ZnO/Polyoxometalate Ternary Composite Materials for Efficient and Rapid Removal of Cationic Organic Dye. <i>Journal of Cluster Science</i> , 2016, 27, 563-571.	1.7	16
52	A $[\text{M}_6\text{L}_8]$ metal-organic polyhedron with high $\text{CO}_2$ uptake and efficient chemical conversion of $\text{CO}_2$ under ambient conditions. <i>Chemical Communications</i> , 2022, 58, 6417-6420.	2.2	16
53	Two chiral Zn(ii) metal-organic frameworks with dinuclear $\text{Zn}_2(\text{COO})_3$ secondary building units: a 2-D (6,3) net and a 3-D 3-fold interpenetrating (3,5)-connected network. <i>CrystEngComm</i> , 2012, 14, 6952.	1.3	15
54	Charge-Balancing Redox Mediators for High Color Contrast Electrochromism on Polyoxometalates. <i>Advanced Materials Technologies</i> , 2020, 5, 2000326.	3.0	13

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55	Synthesis and Structure of a New Coordination Polymer [Cd(pzdc)(bpy)] <sub>n</sub> (H <sub>2</sub> pzdc = Pyrazine-2,3-dicarboxylic Acid, bpy = 2,2'-Bipyridine). <i>Journal of Chemical Crystallography</i> , 2008, 38, 267-271.	0.5	12
56	Hydrothermal Synthesis and Structural Study of an In <sup>III</sup> Complex Involving In-situ Decarboxylation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1454-1457.	0.6	12
57	A Bifunctional Cationic Covalent Organic Polymer for Cooperative Conversion of CO <sub>2</sub> to Cyclic Carbonate without Co-catalyst. <i>Catalysis Letters</i> , 2021, 151, 2833-2841.	1.4	12
58	Synthesis, crystal structure and luminescent properties of a new 3D coordination polymer constructed by Cd(II) with 4,4'-oxybis(benzoate) and 4,4'-bipyridine. <i>Structural Chemistry</i> , 2007, 18, 1005-1009.	1.0	11
59	A Catalyst of Pd@MIL-101@SGO Catalyzes Epoxidation and Hydroxymethoxylation Tandem Reactions of Styrene. <i>ChemistrySelect</i> , 2020, 5, 3724-3729.	0.7	11
60	A 2D In(III) Coordination Polymer with Extended In-OH-In Chains. <i>Journal of Chemical Crystallography</i> , 2008, 38, 891-894.	0.5	10
61	Dinuclear Cd(II), Mn(II) and Cu(II) complexes derived from (anthraquinone-1-diyl) benzoate: DNA binding and cleavage studies. <i>RSC Advances</i> , 2014, 4, 46639-46645.	1.7	10
62	Hexagonal petal-like cobalt oxide nanowire arrays encapsulated by MOF-derived Co/N-codoped carbon for boosting electrochemical capacitor behaviour. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6969-6977.	3.2	10
63	Vanadium substituted Keggin-type POM-based electrochromic films showing high performance in a Li <sup>+</sup> -based neutral non-aqueous electrolyte. <i>RSC Advances</i> , 2016, 6, 38782-38789.	1.7	10
64	Synthesis, structure and photoluminescent properties of a new coordination polymer [Cd <sub>2</sub> (pzdc) <sub>2</sub> (4,4'-bpy)(H <sub>2</sub> O) <sub>2</sub> ] <sub>n</sub> (H <sub>2</sub> pzdc = pyrazine-2,3-dicarboxylic acid, 4,4'-bpy = 4,4'-bipyridine). <i>Journal of Coordination Chemistry</i> , 2008, 61, 563-570.	0.5	9
65	Synthesis and Crystal Structure of a 1D Coordination Polymer [Cd(pydc)(phen)] <sub>n</sub> (H <sub>2</sub> pydc = Pyridine-2,3-dicarboxylic acid, phen = 1,10-phenanthroline). <i>Journal of Chemical Crystallography</i> , 2009, 39, 169-172.	0.5	9
66	Two metal-organic frameworks based on pyridyl-tricarboxylate ligands as size-selective catalysts for solvent-free cyanosilylation reaction. <i>CrystEngComm</i> , 2018, 20, 6070-6076.	1.3	9
67	Two porous Co(II) bithiophenedicarboxylate metal-organic frameworks: from a self-interpenetrating framework to a two-fold interpenetrating 1±-Po topological network. <i>RSC Advances</i> , 2014, 4, 5740.	1.7	8
68	Synthesis of biaryl compounds via Suzuki homocoupling reactions catalyzed by metal organic frameworks encapsulated with palladium nanoparticles. <i>Inorganic Chemistry Communication</i> , 2021, 123, 108368.	1.8	8
69	A 3-D pillar-layered coordination polymer {[EuCu(C <sub>2</sub> O <sub>4</sub> )(na) <sub>2</sub> ] <sub>2</sub> ·2H <sub>2</sub> O}·nH <sub>2</sub> O: synthesis, structure and photoluminescent properties. <i>Journal of Coordination Chemistry</i> , 2008, 61, 2876-2883.	0.8	7
70	Ionothermal Synthesis of a NaCl-type Topological Network Based on Trinuclear Cobalt(II) Clusters as Nodes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 423-426.	0.6	7
71	Self-assembly of novel fluorescent quantum dot-ceramide hybrid for bioelectrochemistry. <i>Talanta</i> , 2016, 154, 31-37.	2.9	7
72	A Novel 1/4-2-2-Bridged Double-Chain Coordination Polymer [Cd(pc)(phen)(H <sub>2</sub> O)] <sub>n</sub> with Rhombic Grids (H <sub>2</sub> pc = pamoic) <i>Tj ETQq000 rgBT6/Overlock</i> 1664-1668.	0.6	7

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73	Synthesis, Structure, and Magnetic Properties of a 3D Cobalt(II) Coordination Polymer with Tris(2- $\alpha$ -carboxyethyl)isocyanurate and 1, 2- $\beta$ -bis(4-pyridyl)ethylene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 675-678.	0.6	5
74	Stabilization of Allylic Amine N-Oxide through Cocrystallization with Pyrogallol[4]arene. Crystal Growth and Design, 2017, 17, 5625-5628.	1.4	4
75	A 2D Cd(II) Coordination Polymer Constructed From 1,3-di(4-pyridyl)propane and 2,7-naphthalenedisulfonate. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 748-752.	0.6	3
76	Synthesis, Structure, and Photoluminescence of a 3D Zinc(II) Coordination Polymer with Tris(2- $\alpha$ -carboxyethyl)isocyanurate and 1,2,4- $\beta$ -Triazole Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2153-2156.	0.6	2
77	A 2D Co(II) Coordination Polymer With CdI <sub>2</sub> Topology Based on Trinuclear Co(II) Clusters as Nodes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 805-808.	0.6	2
78	Synthesis and Crystal Structure of a 3D Er(III) Coordination Polymer Based on Tripodal Flexible Ligand. Journal of Chemical Crystallography, 2011, 41, 727-731.	0.5	1
79	A 3D Cd(II) Coordination Polymer With SRA Topology. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 759-763.	0.6	0