

# Xian-He Bu

## List of Publications by Year in descending order

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318  
papers

19,347  
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6233

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327  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Neutral 3D Copper Coordination Polymer Showing 1D Open Channels and the First Interpenetrating NbO-Type Network. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 192-195.	7.2	558
2	Flexible Metal-Organic Frameworks: Recent Advances and Potential Applications. <i>Advanced Materials</i> , 2015, 27, 5432-5441.	11.1	470
3	Metal-Organic Framework Materials for the Separation and Purification of Light Hydrocarbons. <i>Advanced Materials</i> , 2020, 32, e1806445.	11.1	408
4	A luminescent metal-organic framework demonstrating ideal detection ability for nitroaromatic explosives. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1465-1470.	5.2	396
5	A Controllable Gate Effect in Cobalt(II) Organic Frameworks by Reversible Structure Transformations. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11550-11553.	7.2	302
6	Metal-organic framework-based heterogeneous catalysts for the conversion of C1 chemistry: CO, CO2 and CH4. <i>Coordination Chemistry Reviews</i> , 2019, 387, 79-120.	9.5	298
7	Metal-Organic Frameworks (MOFs) and MOF-Derived Materials for Energy Storage and Conversion. <i>Electrochemical Energy Reviews</i> , 2019, 2, 29-104.	13.1	274
8	A chiral lanthanide metal-organic framework for selective sensing of Fe(III) ions. <i>Dalton Transactions</i> , 2016, 45, 1040-1046.	1.6	269
9	Proton-conductive metal-organic frameworks: Recent advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2017, 344, 54-82.	9.5	258
10	Controlling the Framework Formation of Silver(I) Coordination Polymers with 1,4-Bis(phenylthio)butane by Varying the Solvents, Metal-to-Ligand Ratio, and Counteranions. <i>Inorganic Chemistry</i> , 2002, 41, 3477-3482.	1.9	257
11	A Cu(I) metal-organic framework with 4-fold helical channels for sensing anions. <i>Chemical Science</i> , 2013, 4, 3678.	3.7	251
12	Microporous metal-organic frameworks with open metal sites as sorbents for selective gas adsorption and fluorescence sensors for metal ions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 495-499.	5.2	233
13	Electrochemically active sites inside crystalline porous materials for energy storage and conversion. <i>Chemical Society Reviews</i> , 2020, 49, 2378-2407.	18.7	233
14	Halide Perovskites for Nonlinear Optics. <i>Advanced Materials</i> , 2020, 32, e1806736.	11.1	210
15	Bismuth Nanoparticle@Carbon Composite Anodes for Ultralong Cycle Life and High-Rate Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1904771.	11.1	201
16	Governing metal-organic frameworks towards high stability. <i>Chemical Communications</i> , 2016, 52, 8501-8513.	2.2	196
17	Synthesis of MOF-derived nanostructures and their applications as anodes in lithium and sodium ion batteries. <i>Coordination Chemistry Reviews</i> , 2019, 388, 172-201.	9.5	192
18	Recent Progress on NiFe-Based Electrocatalysts for the Oxygen Evolution Reaction. <i>Small</i> , 2020, 16, e2003916.	5.2	192

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19	A Mixed Molecular Building Block Strategy for the Design of Nested Polyhedron Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 837-841.	7.2	189
20	Structure-modulated crystalline covalent organic frameworks as high-rate cathodes for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18621-18627.	5.2	188
21	Cd(II) Coordination Architectures with Mixed Ligands of 3-(2-Pyridyl)pyrazole and Pendant Carboxylate Ligands Bearing Different Aromatic Skeletons: Syntheses, Crystal Structures, and Emission Properties. <i>Crystal Growth and Design</i> , 2006, 6, 656-663.	1.4	177
22	Multi-Stimuli-Responsive Fluorescence Switching from a Pyridine-Functionalized Tetraphenylethene AIEgen. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5819-5827.	4.0	170
23	A Water-Stable Luminescent Zn(II) Metal-Organic Framework as Chemosensor for High-Efficiency Detection of Cr(VI) Anions (Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> ). <i>Journal of Materials Chemistry A</i> , 2019, 7, 3192-3198.	1.7	169
24	A Rigid Nested Metal-Organic Framework Featuring a Thermoresponsive Gating Effect Dominated by Counterions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15027-15030.	7.2	166
25	In-situ synthesis of molecular magnetorefrigerant materials. <i>Coordination Chemistry Reviews</i> , 2019, 394, 39-52.	9.5	166
26	Nitrogen-doped carbon shell-confined Ni <sub>3</sub> S <sub>2</sub> composite nanosheets derived from Ni-MOF for high performance sodium-ion battery anodes. <i>Nano Energy</i> , 2019, 62, 154-163.	8.2	166
27	Structure Modulation in Zn(II)-1,4-Bis(imidazol-1-yl)benzene Frameworks by Varying Dicarboxylate Anions. <i>Crystal Growth and Design</i> , 2012, 12, 189-196.	1.4	162
28	Nitrogen-Doped Wrinkled Carbon Foils Derived from MOF Nanosheets for Superior Sodium Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1801515.	10.2	158
29	Enhanced Gas Uptake in a Microporous Metal-Organic Framework via a Sorbate Induced-Fit Mechanism. <i>Journal of the American Chemical Society</i> , 2019, 141, 17703-17712.	6.6	152
30	Copper(II), Cobalt(II), and Nickel(II) Complexes with a Bulky Anthracene-Based Carboxylic Ligand: Syntheses, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2007, 46, 6299-6310.	1.9	142
31	MOF-Derived Porous Co <sub>3</sub> O <sub>4</sub> Hollow Tetrahedra with Excellent Performance as Anode Materials for Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , 2015, 54, 8159-8161.	1.9	142
32	Metal-Organic Framework-Based Photocatalysts Optimized by Spatially Separated Cocatalysts for Overall Water Splitting. <i>Advanced Materials</i> , 2020, 32, e2004747.	11.1	142
33	Nitrogen-rich diaminotriazine-based porous organic polymers for small gas storage and selective uptake. <i>Polymer Chemistry</i> , 2013, 4, 4690.	1.9	136
34	Fluorous Metal-Organic Frameworks with Enhanced Stability and High H <sub>2</sub> /CO <sub>2</sub> Storage Capacities. <i>Scientific Reports</i> , 2013, 3, 3312.	1.6	136
35	Crystalline Capsules: Metal-Organic Frameworks Locked by Size-Matching Ligand Bolts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5966-5970.	7.2	135
36	Adjusting the Frameworks of Silver(I) Complexes with New Pyridyl Thioethers by Varying the Chain Lengths of Ligand Spacers, Solvents, and Counteranions. <i>Inorganic Chemistry</i> , 2003, 42, 7422-7430.	1.9	134

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37	A $\pi$ -Pre-Organized Constrained Metal Twins Strategy to Prepare Efficient Dual-Metal-Atom Catalysts for Cooperative Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2022, 34, e2107421.	11.1	134
38	New Three-Dimensional Porous Metal Organic Framework with Tetrazole Functionalized Aromatic Carboxylic Acid: Synthesis, Structure, and Gas Adsorption Properties. <i>Inorganic Chemistry</i> , 2010, 49, 11581-11586.	1.9	133
39	Rational Construction of Highly Tunable Donor-Acceptor Materials Based on a Crystalline Host-Guest Platform. <i>Advanced Materials</i> , 2018, 30, e1804715.	11.1	132
40	Recent advances in luminescent metal-organic frameworks for chemical sensors. <i>Science China Materials</i> , 2019, 62, 1655-1678.	3.5	132
41	A Dual-Stimuli-Responsive Coordination Network Featuring Reversible Wide-Range Luminescence Tuning Behavior. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5614-5618.	7.2	132
42	Yolk-Shell $\text{MnO}@Zn\text{Mn}_2\text{O}_4/\text{N}_\text{C}$ Nanorods Derived from $\text{MnO}_2/\text{ZIF-8}$ as Anode Materials for Lithium Ion Batteries. <i>Small</i> , 2016, 12, 5564-5571.	5.2	130
43	Chiral Noninterpenetrated (10,3)-a Net in the Crystal Structure of Ag(I) and Bisthioether. <i>Inorganic Chemistry</i> , 2002, 41, 437-439.	1.9	127
44	The Role of Order-Disorder Transitions in the Quest for Molecular Multiferroics: Structural and Magnetic Neutron Studies of a Mixed Valence Iron(II)-Iron(III) Formate Framework. <i>Journal of the American Chemical Society</i> , 2012, 134, 19772-19781.	6.6	127
45	A metal-organic framework as a turn-on fluorescent sensor for aluminum ions. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 256-260.	3.0	127
46	Engineering Bimetal Synergistic Electrocatalysts Based on Metal-Organic Frameworks for Efficient Oxygen Evolution. <i>Small</i> , 2019, 15, e1903410.	5.2	126
47	A flexible zwitterion ligand based lanthanide metal-organic framework for luminescence sensing of metal ions and small molecules. <i>Dalton Transactions</i> , 2015, 44, 10914-10917.	1.6	124
48	Metal/Covalent-Organic Framework Based Cathodes for Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2100172.	10.2	124
49	Magnetic Behavior Control in Niccolite Structural Metal Formate Frameworks $[\text{NH}_2(\text{CH}_3)_2]_2[\text{Fe}^{\text{III}}\text{M}^{\text{II}}(\text{HCOO})_6]$ (M = Fe, Mn, and Co) by Varying the Divalent Metal Ions. <i>Inorganic Chemistry</i> , 2010, 49, 10390-10399.	1.9	123
50	Microporous Luminescent Metal-Organic Framework for a Sensitive and Selective Fluorescence Sensing of Toxic Mycotoxin in Moldy Sugarcane. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5618-5625.	4.0	121
51	Spontaneously Resolved Chiral Interpenetrating 3-D Nets with Two Different Zinc Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2001, 123, 10750-10751.	6.6	113
52	Trace removal of benzene vapour using double-walled metal-dipyrazolate frameworks. <i>Nature Materials</i> , 2022, 21, 689-695.	13.3	109
53	Ratiometric and Selective Fluorescent Sensor for $\text{Zn}^{2+}$ as an Off-On-Off-Switch and Logic Gate. <i>Inorganic Chemistry</i> , 2012, 51, 9642-9648.	1.9	108
54	Engineering Donor-Acceptor Heterostructure Metal-Organic Framework Crystals for Photonic Logic Computation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13890-13896.	7.2	108

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55	A Niccolite Structural Multiferroic Metal-Organic Framework Possessing Four Different Types of Bistability in Response to Dielectric and Magnetic Modulation. <i>Advanced Materials</i> , 2017, 29, 1606966.	11.1	107
56	Tricarboxylate-based Gd <sup>III</sup> coordination polymers exhibiting large magnetocaloric effects. <i>Dalton Transactions</i> , 2016, 45, 9209-9215.	1.6	106
57	Varying Ligand Backbones for Modulating the Interpenetration of Coordination Polymers Based on Homoleptic Cobalt(II) Nodes. <i>Crystal Growth and Design</i> , 2009, 9, 3904-3909.	1.4	105
58	Zn(II) coordination architectures with mixed ligands of dipyrido[3,2-d:1'-2']quinoxaline/2,3-di-2-pyridylquinoxaline and benzenedicarboxylate: syntheses, crystal structures, and photoluminescence properties. <i>CrystEngComm</i> , 2008, 10, 349-356.	1.4	104
59	Zn <sup>II</sup> Coordination Polymers Based on 2,3,6,7-Anthracenetetracarboxylic Acid: Synthesis, Structures, and Luminescence Properties. <i>Crystal Growth and Design</i> , 2009, 9, 4840-4846.	1.4	103
60	Zinc and Cadmium Coordination Polymers with Bis(tetrazole) Ligands Bearing Flexible Spacers: Synthesis, Crystal Structures, and Properties. <i>Crystal Growth and Design</i> , 2009, 9, 2280-2286.	1.4	103
61	Zinc(II) coordination architectures with two bulky anthracene-based carboxylic ligands: crystal structures and luminescent properties. <i>CrystEngComm</i> , 2008, 10, 681.	1.3	102
62	Slow Magnetic Relaxation in Two New 1D/0D Dy <sup>III</sup> Complexes with a Sterically Hindered Carboxylate Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 2103-2109.	1.9	99
63	Soft Porous Crystal Based upon Organic Cages That Exhibit Guest-Induced Breathing and Selective Gas Separation. <i>Journal of the American Chemical Society</i> , 2019, 141, 9408-9414.	6.6	98
64	A Giant Dy <sub>76</sub> Cluster: A Fused Nanopillar Structural Model for Lanthanide Clusters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10184-10188.	7.2	94
65	Conformation versatility of ligands in coordination polymers: From structural diversity to properties and applications. <i>Coordination Chemistry Reviews</i> , 2018, 375, 558-586.	9.5	93
66	Confined Heteropoly Blues in Defected Zr-MOF (Bottle Around Ship) for High Efficiency Oxidative Desulfurization. <i>Small</i> , 2020, 16, e1906432.	5.2	92
67	Synthesis, Structures, and Magnetic Properties of the Copper(II), Cobalt(II), and Manganese(II) Complexes with 9-Acridinecarboxylate and 4-Quinolinecarboxylate Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 9837-9846.	1.9	91
68	Perspectives on Electron-Assisted Reduction for Preparation of Highly Dispersed Noble Metal Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 3-13.	3.2	91
69	Li-ion storage and gas adsorption properties of porous polyimides (PIs). <i>RSC Advances</i> , 2014, 4, 7506.	1.7	91
70	Magnetocaloric effect and slow magnetic relaxation in two dense (3,12)-connected lanthanide complexes. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 549-552.	3.0	89
71	Chemically Stable Guanidinium Covalent Organic Framework for the Efficient Capture of Low-Concentration Iodine at High Temperatures. <i>Journal of the American Chemical Society</i> , 2022, 144, 6821-6829.	6.6	89
72	Two luminescent coordination polymers as highly selective and sensitive chemosensors for Cr <sup>VI</sup> -anions in aqueous medium. <i>Dalton Transactions</i> , 2019, 48, 387-394.	1.6	87

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73	New Mononuclear, Cyclic Tetranuclear, and 1-D Helical-Chain Cu(II) Complexes Formed by Metal-Assisted Hydrolysis of 3,6-Di-2-pyridyl-1,2,4,5-tetrazine (DPTZ): Crystal Structures and Magnetic Properties. <i>Inorganic Chemistry</i> , 2002, 41, 1855-1861.	1.9	86
74	Hydro(solvo)thermal synthetic strategy towards azido/formato-mediated molecular magnetic materials. <i>Coordination Chemistry Reviews</i> , 2015, 289-290, 32-48.	9.5	86
75	Metal-Organic Framework Derived Core-Shell Co <sub>3</sub> O <sub>4</sub> @N-C Nanocomposites as High Performance Anode Materials for Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2018, 57, 4620-4628.	1.9	86
76	Tuning silver(I) coordination architectures by ligands design: from dinuclear, trinuclear, to 1D and 3D frameworks. <i>CrystEngComm</i> , 2008, 10, 1866.	1.3	85
77	Recent Progress in 2D Metal-Organic Frameworks for Optical Applications. <i>Advanced Optical Materials</i> , 2020, 8, 2000110.	3.6	85
78	A New 10-Connected Coordination Network with Pentanuclear Zinc Clusters as Secondary Building Units. <i>Crystal Growth and Design</i> , 2012, 12, 1064-1068.	1.4	84
79	Novel nickel(II) complexes with diazamesocyclic ligands functionalized by additional phenol donor pendant(s): synthesis, characterization, crystal structures and magnetic properties. <i>Dalton Transactions RSC</i> , 2001, , 593-598.	2.3	83
80	A Water-Stable Metal-Organic Framework with a Double-Helical Structure for Fluorescent Sensing. <i>Inorganic Chemistry</i> , 2016, 55, 7326-7328.	1.9	83
81	Targeted Structure Modulation of Pillar-Layered Metal-Organic Frameworks for CO <sub>2</sub> Capture. <i>Inorganic Chemistry</i> , 2014, 53, 8985-8990.	1.9	82
82	How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , 2022, 34, .	11.1	82
83	Effect of Anions on the Framework Formation of Novel AgI Coordination Polymers with Angular Bridging Ligands. <i>Crystal Growth and Design</i> , 2004, 4, 71-78.	1.4	81
84	Tuning the framework formation of silver(I) coordination architectures with heterocyclic thioethers. <i>Dalton Transactions</i> , 2003, , 1509-1514.	1.6	78
85	Employing Zinc Clusters as SBUs To Construct (3,8) and (3,14)-Connected Coordination Networks: Structures, Topologies, and Luminescence. <i>Crystal Growth and Design</i> , 2012, 12, 2730-2735.	1.4	77
86	Self-Optimized Metal-Organic Framework Electrocatalysts with Structural Stability and High Current Tolerance for Water Oxidation. <i>ACS Catalysis</i> , 2021, 11, 7132-7143.	5.5	77
87	Varying Coordination Modes and Magnetic Properties of Copper(II) Complexes with Diazamesocyclic Ligands by Altering Additional Donor Pendants on 1,5-Diazacyclooctane. <i>Inorganic Chemistry</i> , 2000, 39, 4190-4199.	1.9	76
88	Construction of a Multi-Cage-Based MOF with a Unique Network for Efficient CO <sub>2</sub> Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26177-26183.	4.0	75
89	Regulating Second-Harmonic Generation by van der Waals Interactions in Two-dimensional Lead Halide Perovskite Nanosheets. <i>Journal of the American Chemical Society</i> , 2019, 141, 9134-9139.	6.6	75
90	High Proton Conduction in Two Co <sup>II</sup> and Mn <sup>II</sup> Anionic Metal-Organic Frameworks Derived from 1,3,5-Benzenetricarboxylic Acid. <i>Crystal Growth and Design</i> , 2016, 16, 6776-6780.	1.4	73

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91	A high-performance "sweeper" for toxic cationic herbicides: an anionic metal-organic framework with a tetrapodal cage. <i>Chemical Communications</i> , 2015, 51, 17439-17442.	2.2	72
92	Two microporous Fe-based MOFs with multiple active sites for selective gas adsorption. <i>Chemical Communications</i> , 2017, 53, 2394-2397.	2.2	72
93	Cadmium(ii) and zinc(ii) metal-organic frameworks with anthracene-based dicarboxylic ligands: solvothermal synthesis, crystal structures, and luminescent properties. <i>CrystEngComm</i> , 2011, 13, 5152.	1.3	71
94	Novel Five-Connected Lanthanide(III)-Bis(sulfinyl) Coordination Polymers Forming a Unique Two-Dimensional ( , 5) Network. <i>Inorganic Chemistry</i> , 2002, 41, 413-415.	1.9	70
95	Recent progress on cyano-bridged transition-metal-based single-molecule magnets and single-chain magnets. <i>Coordination Chemistry Reviews</i> , 2021, 428, 213617.	9.5	69
96	Syntheses and crystal structures of the copper(i) complexes with quinoline-based monothioether ligands. <i>CrystEngComm</i> , 2005, 7, 249.	1.3	68
97	Strategic Defect Engineering of Metal-Organic Frameworks for Optimizing the Fabrication of Single-Atom Catalysts. <i>Advanced Functional Materials</i> , 2021, 31, 2103597.	7.8	68
98	Specific $K^{+}$ Binding Sites as $CO_2$ Traps in a Porous MOF for Enhanced $CO_2$ Selective Sorption. <i>Small</i> , 2019, 15, e1900426.	5.2	67
99	Microporous Metal-Organic Framework Based on Supramolecular Building Blocks (SBBs): Structure Analysis and Selective Gas Adsorption Properties. <i>Crystal Growth and Design</i> , 2011, 11, 2050-2053.	1.4	66
100	Host-Guest Engineering of Coordination Polymers for Highly Tunable Luminophores Based on Charge Transfer Emissions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2662-2668.	4.0	65
101	Structure Switching and Modulation of the Magnetic Properties in Diarylethene-Bridged Metallosupramolecular Compounds by Controlled Coordination-Driven Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4339-4344.	7.2	63
102	Zn(II)-Benzotriazololate Clusters Based Amide Functionalized Porous Coordination Polymers with High $CO_2$ Adsorption Selectivity. <i>Inorganic Chemistry</i> , 2014, 53, 8842-8844.	1.9	62
103	Novel copper(II) complexes with diazamesocyclic ligands functionalized by additional donor group(s): syntheses, crystal structures and magnetic properties. <i>Dalton Transactions RSC</i> , 2001, , 729-735.	2.3	61
104	Template-directed synthesis of three new open-framework metal(ii) oxalates using Co(iii) complex as template. <i>CrystEngComm</i> , 2010, 12, 4198.	1.3	60
105	Mn(ii) metal-organic frameworks based on $Mn_3$ clusters: from 2D layer to 3D framework by the "pillaring" approach. <i>CrystEngComm</i> , 2013, 15, 1613.	1.3	60
106	Recent Progress of Nanoscale Metal-Organic Frameworks in Synthesis and Battery Applications. <i>Advanced Science</i> , 2021, 8, 2001980.	5.6	58
107	Proton-controlled inter-conversion between an achiral discrete molecular square and a chiral interpenetrated double-chain architecture. <i>Chemical Communications</i> , 2002, , 2550-2551.	2.2	57
108	New d10 metal-organic coordination polymers with 9,10-bis(triazol-1-ylmethyl)anthracene (L): Syntheses, crystal structures, and luminescent properties. <i>CrystEngComm</i> , 2007, 9, 289-297.	1.3	56

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109	A four-fold interpenetrated metal-organic framework as a fluorescent sensor for volatile organic compounds. <i>Dalton Transactions</i> , 2016, 45, 14888-14892.	1.6	56
110	Aggregation-induced emission materials for nonlinear optics. <i>Aggregate</i> , 2021, 2, e28.	5.2	56
111	Bottom-up assembly of a porous MOF based on nanosized nonanuclear zinc precursors for highly selective gas adsorption. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4186.	5.2	55
112	Ultra-small V <sub>2</sub> O <sub>3</sub> embedded N-doped porous carbon nanorods with superior cycle stability for sodium-ion capacitors. <i>Journal of Power Sources</i> , 2018, 405, 37-44.	4.0	54
113	Metal-Layer Assisted Growth of Ultralong Quasi-2D MOF Nanoarrays on Arbitrary Substrates for Accelerated Oxygen Evolution. <i>Small</i> , 2019, 15, e1906086.	5.2	54
114	Novel Lanthanide(III) Coordination Polymers with 1,4-Bis(phenyl-sulfinyl)butane Forming Unique Lamellar Square Array: Syntheses, Crystal Structures, and Properties. <i>Inorganic Chemistry</i> , 2002, 41, 1007-1010.	1.9	53
115	Coordination architectures of 2-(1H-tetrazol-5-yl)pyrazine with group IIB metal ions: luminescence and structural dependence on the metal ions and preparing conditions. <i>CrystEngComm</i> , 2008, 10, 699.	1.3	53
116	Temperature-Related Synthesis of Two Anionic Metal-Organic Frameworks with Distinct Performance in Organic Dye Adsorption. <i>Crystal Growth and Design</i> , 2016, 16, 5593-5597.	1.4	53
117	Two Gd <sup>III</sup> complexes derived from dicarboxylate ligands as cryogenic magnetorefrigerants. <i>New Journal of Chemistry</i> , 2015, 39, 6970-6975.	1.4	52
118	Efficient Regulation of Energy Transfer in a Multicomponent Dye-Loaded MOF for White-Light Emission Tuning. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51589-51597.	4.0	52
119	Crystalline Porous Materials for Nonlinear Optics. <i>Small</i> , 2021, 17, e2006416.	5.2	52
120	Multifunctional Chiral 2D Lead Halide Perovskites with Circularly Polarized Photoluminescence and Piezoelectric Energy Harvesting Properties. <i>ACS Nano</i> , 2022, 16, 3221-3230.	7.3	52
121	Formation of novel discrete silver(I) coordination architectures with quinoline-based monothioethers: adjusting the intramolecular Ag <sup>+</sup> -Ag distances and complex structures by ligands modifications and variations of counter anions. <i>Dalton Transactions</i> , 2003, , 4742-4748.	1.6	51
122	Two microporous MOFs constructed from different metal cluster SBUs for selective gas adsorption. <i>Chemical Communications</i> , 2015, 51, 14211-14214.	2.2	51
123	Recent Advances on Metal-Organic Frameworks in the Conversion of Carbon Dioxide. <i>Chinese Journal of Chemistry</i> , 2021, 39, 440-462.	2.6	51
124	Novel Ag(I) complexes withazole heterocycle ligands bearing acetic acid group: synthesis, characterization and crystal structures. <i>CrystEngComm</i> , 2008, 10, 1037.	1.3	50
125	Cadmium(ii) coordination polymers based on a bulky anthracene-based dicarboxylate ligand: crystal structures and luminescent properties. <i>CrystEngComm</i> , 2010, 12, 1833.	1.3	50
126	Installation of synergistic binding sites onto porous organic polymers for efficient removal of perfluorooctanoic acid. <i>Nature Communications</i> , 2022, 13, 2132.	5.8	49



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127	A new luminescent metal-organic framework for selective sensing of nitroaromatic explosives. <i>Science China Chemistry</i> , 2016, 59, 959-964.	4.2	48
128	{[Cd(bpo)(SCN) <sub>2</sub> ·CH <sub>3</sub> CN] <sub>n</sub> }·nH <sub>2</sub> O: A Novel Three-Dimensional (3D) Noninterpenetrated Channel-Like Open Framework with Porous Properties. <i>Crystal Growth and Design</i> , 2002, 2, 625-629.	1.4	47
129	Facile synthesis of Co <sub>3</sub> O <sub>4</sub> nanosheets from MOF nanoplates for high performance anodes of lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1602-1608.	3.0	47
130	Interconnected CoS <sub>2</sub> /NC-CNTs network as high-performance anode materials for lithium-ion batteries. <i>Science China Materials</i> , 2021, 64, 820-829.	3.5	47
131	Origin of Ferroelectricity in Two Prototypical Hybrid Organic-Inorganic Perovskites. <i>Journal of the American Chemical Society</i> , 2022, 144, 816-823.	6.6	47
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