Xian-He Bu

List of Publications by Year
in descending order

318	19,347	6254 80	16650 123
papers	citations	h-index	g-index

327	327	327	13605
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Neutral 3D Copper Coordination Polymer Showing 1D Open Channels and the First Interpenetrating NbO-Type Network. Angewandte Chemie - International Edition, 2004, 43, 192-195.	13.8	558
2	Flexible Metalâ€“Organic Frameworks: Recent Advances and Potential Applications. Advanced Materials, 2015, 27, 5432-5441.	21.0	470
3	Metalâ€“Organic Framework Materials for the Separation and Purification of Light Hydrocarbons. Advanced Materials, 2020, 32, e1806445.	21.0	408
4	A luminescent metalâ€“organic framework demonstrating ideal detection ability for nitroaromatic explosives. Journal of Materials Chemistry A, 2014, 2, 1465-1470.	10.3	396
5	A Controllable Gate Effect in Cobalt(II) Organic Frameworks by Reversible Structure Transformations. Angewandte Chemie - International Edition, 2013, 52, 11550-11553.	13.8	302
6	Metal-organic framework-based heterogeneous catalysts for the conversion of C1 chemistry: CO, CO2 and CH4. Coordination Chemistry Reviews, 2019, 387, 79-120.	18.8	298
7	Metalâ€“Organic Frameworks (MOFs) and MOF-Derived Materials for Energy Storage and Conversion. Electrochemical Energy Reviews, 2019, 2, 29-104.	25.5	274
8	A chiral lanthanide metalâ€“organic framework for selective sensing of Fe(<scp>iii</scp>) ions. Dalton Transactions, 2016, 45, 1040-1046.	3.3	269
9	Proton-conductive metal-organic frameworks: Recent advances and perspectives. Coordination Chemistry Reviews, 2017, 344, 54-82.	18.8	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. Inorganic Chemistry, 2002, 41, 3477-3482.	4.0	257
11	A Cu(i) metalâ€“organic framework with 4-fold helical channels for sensing anions. Chemical Science, 2013, 4, 3678.	7.4	251
12	Microporous metalâ€“organic frameworks with open metal sites as sorbents for selective gas adsorption and fluorescence sensors for metal ions. Journal of Materials Chemistry A, 2013, 1, 495-499.	10.3	233
13	Electrochemically active sites inside crystalline porous materials for energy storage and conversion. Chemical Society Reviews, 2020, 49, 2378-2407.	38.1	233
14	Halide Perovskites for Nonlinear Optics. Advanced Materials, 2020, 32, e1806736.	21.0	210
15	Bismuth Nanoparticle@Carbon Composite Anodes for Ultralong Cycle Life and Highâ€Rate Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1904771.	21.0	201
16	Governing metalâ€“organic frameworks towards high stability. Chemical Communications, 2016, 52, 8501-8513.	4.1	196
17	Synthesis of MOF-derived nanostructures and their applications as anodes in lithium and sodium ion batteries. Coordination Chemistry Reviews, 2019, 388, 172-201.	18.8	192
18	Recent Progress on NiFeâ€Based Electrocatalysts for the Oxygen Evolution Reaction. Small, 2020, 16, e2003916.	10.0	192

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19	A Mixed Molecular Building Block Strategy for the Design of Nested Polyhedron Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2014, 53, 837-841.	13.8	189
20	Structure-modulated crystalline covalent organic frameworks as high-rate cathodes for Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 18621-18627.	10.3	188
21	Cd(II) Coordination Architectures with Mixed Ligands of 3-(2-Pyridyl)pyrazole and Pendant Carboxylate Ligands Bearing Different Aromatic Skeletons:â€‰ Syntheses, Crystal Structures, and Emission Properties. Crystal Growth and Design, 2006, 6, 656-663.	3.0	177
22	Multi-Stimuli-Responsive Fluorescence Switching from a Pyridine-Functionalized Tetraphenylethene AIEgen. ACS Applied Materials & Interfaces, 2018, 10, 5819-5827.	8.0	170
23	A Waterâ€Stable Luminescent Zn^{II} Metalâ€Organic Framework as Chemosensor for Highâ€Efficiency Detection of Cr^{VI}â€Anions (Cr₂O₇^{2â^’}) Tj ETQq1 1 0.784314 rgBT 3192-3198.	3.3	169
24	A Rigid Nested Metalâ€“Organic Framework Featuring a Thermoresponsive Gating Effect Dominated by Counterions. Angewandte Chemie - International Edition, 2016, 55, 15027-15030.	13.8	166
25	In-situ synthesis of molecular magnetorefrigerant materials. Coordination Chemistry Reviews, 2019, 394, 39-52.	18.8	166
26	Nitrogen-doped carbon shell-confined Ni3S2 composite nanosheets derived from Ni-MOF for high performance sodium-ion battery anodes. Nano Energy, 2019, 62, 154-163.	16.0	166
27	Structure Modulation in Zn(II)â€“1,4-Bis(imidazol-1-yl)benzene Frameworks by Varying Dicarboxylate Anions. Crystal Growth and Design, 2012, 12, 189-196.	3.0	162
28	Nitrogenâ€Doped Wrinkled Carbon Foils Derived from MOF Nanosheets for Superior Sodium Storage. Advanced Energy Materials, 2018, 8, 1801515.	19.5	158
29	Enhanced Gas Uptake in a Microporous Metalâ€“Organic Framework via a Sorbate Induced-Fit Mechanism. Journal of the American Chemical Society, 2019, 141, 17703-17712.	13.7	152
30	Copper(II), Cobalt(II), and Nickel(II) Complexes with a Bulky Anthracene-Based Carboxylic Ligand:â€‰ Syntheses, Crystal Structures, and Magnetic Properties. Inorganic Chemistry, 2007, 46, 6299-6310.	4.0	142
31	MOF-Derived Porous Co₃O₄ Hollow Tetrahedra with Excellent Performance as Anode Materials for Lithium-Ion Batteries. Inorganic Chemistry, 2015, 54, 8159-8161.	4.0	142
32	Metalâ€“Organicâ€Frameworkâ€Based Photocatalysts Optimized by Spatially Separated Cocatalysts for Overall Water Splitting. Advanced Materials, 2020, 32, e2004747.	21.0	142
33	Nitrogen-rich diaminotriazine-based porous organic polymers for small gas storage and selective uptake. Polymer Chemistry, 2013, 4, 4690.	3.9	136
34	Fluorous Metal-Organic Frameworks with Enhanced Stability and High H2/CO2 Storage Capacities. Scientific Reports, 2013, 3, 3312.	3.3	136
35	Crystalline Capsules: Metalâ€“Organic Frameworks Locked by Sizeâ€Matching Ligand Bolts. Angewandte Chemie - International Edition, 2015, 54, 5966-5970.	13.8	135
36	Adjusting the Frameworks of Silver(I) Complexes with New Pyridyl Thioethers by Varying the Chain Lengths of Ligand Spacers, Solvents, and Counteranions. Inorganic Chemistry, 2003, 42, 7422-7430.	4.0	134

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37	A â€œPreâ€Constrained Metal Twinsâ€•Strategy to Prepare Efficient Dualâ€Metalâ€Atom Catalysts for Cooperative Oxygen Electrocatalysis. Advanced Materials, 2022, 34, e2107421.	21.0	134
38	New Three-Dimensional Porous Metal Organic Framework with Tetrazole Functionalized Aromatic Carboxylic Acid: Synthesis, Structure, and Gas Adsorption Properties. Inorganic Chemistry, 2010, 49, 11581-11586.	4.0	133
39	Rational Construction of Highly Tunable Donorâ€“Acceptor Materials Based on a Crystalline Hostâ€“Guest Platform. Advanced Materials, 2018, 30, e1804715.	21.0	132
40	Recent advances in luminescent metal-organic frameworks for chemical sensors. Science China Materials, 2019, 62, 1655-1678.	6.3	132
41	A Dualâ€Stimuliâ€Responsive Coordination Network Featuring Reversible Wideâ€Range Luminescenceâ€Tuning Behavior. Angewandte Chemie - International Edition, 2019, 58, 5614-5618.	13.8	132
42	Yolkâ€“Shell MnO@ZnMn₂O₄/Nâ€“C Nanorods Derived from Î±â€MnO₂/ZIFâ€8 as Anode Materials for Lithium Ion Batteries. Small, 2016, 12, 5564-5571.	10.0	130
43	Chiral Noninterpenetrated (10,3)-a Net in the Crystal Structure of Ag(I) and Bisthioether. Inorganic Chemistry, 2002, 41, 437-439.	4.0	127
44	The Role of Orderâ€“Disorder Transitions in the Quest for Molecular Multiferroics: Structural and Magnetic Neutron Studies of a Mixed Valence Iron(II)â€“Iron(III) Formate Framework. Journal of the American Chemical Society, 2012, 134, 19772-19781.	13.7	127
45	A metalâ€“organic framework as a â€œturn onâ€•fluorescent sensor for aluminum ions. Inorganic Chemistry Frontiers, 2017, 4, 256-260.	6.0	127
46	Engineering Bimetal Synergistic Electrocatalysts Based on Metalâ€“Organic Frameworks for Efficient Oxygen Evolution. Small, 2019, 15, e1903410.	10.0	126
47	A flexible zwitterion ligand based lanthanide metalâ€“organic framework for luminescence sensing of metal ions and small molecules. Dalton Transactions, 2015, 44, 10914-10917.	3.3	124
48	Metal/Covalentâ€Organic Framework Based Cathodes for Metalâ€Ion Batteries. Advanced Energy Materials, 2022, 12, 2100172.	19.5	124
49	Magnetic Behavior Control in Niccolite Structural Metal Formate Frameworks [NH₂(CH₃)₂][Fe^{III}M^{II}(HCOO)₆] (M = Fe, Mn, and Co) by Varying the Divalent Metal Ions. Inorganic Chemistry, 2010, 49, 10390-10399.	4.0	123
50	Microporous Luminescent Metalâ€“Organic Framework for a Sensitive and Selective Fluorescence Sensing of Toxic Mycotoxin in Moldy Sugarcane. ACS Applied Materials & Interfaces, 2018, 10, 5618-5625.	8.0	121
51	Spontaneously Resolved Chiral Interpenetrating 3-D Nets with Two Different Zinc Coordination Polymers. Journal of the American Chemical Society, 2001, 123, 10750-10751.	13.7	113
52	Trace removal of benzene vapour using double-walled metalâ€“dipyrazolate frameworks. Nature Materials, 2022, 21, 689-695.	27.5	109
53	Ratiometric and Selective Fluorescent Sensor for Zn²⁺ as an â€œOffâ€“Onâ€“Offâ€•Switch and Logic Gate. Inorganic Chemistry, 2012, 51, 9642-9648.	4.0	108
54	Engineering Donorâ€“Acceptor Heterostructure Metalâ€“Organic Framework Crystals for Photonic Logic Computation. Angewandte Chemie - International Edition, 2019, 58, 13890-13896.	13.8	108

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55	A Niccolite Structural Multiferroic Metalâ€“Organic Framework Possessing Four Different Types of Bistability in Response to Dielectric and Magnetic Modulation. Advanced Materials, 2017, 29, 1606966.	21.0	107
56	Tricarboxylate-based Gd^{III} coordination polymers exhibiting large magnetocaloric effects. Dalton Transactions, 2016, 45, 9209-9215.	3.3	106
57	Varying Ligand Backbones for Modulating the Interpenetration of Coordination Polymers Based on Homoleptic Cobalt(II) Nodes. Crystal Growth and Design, 2009, 9, 3904-3909.	3.0	105
58	Zn(<scp>ii</scp>) coordination architectures with mixed ligands of dipyrido[3,2-dâ€‰â^¶â€‰2â€²,3â€²-f]quinoxaline/2,3-di-2-pyridylquinoxaline and benzenedicarboxylate: syntheses, crystal structures, and photoluminescence properties. CrystEngComm, 2008, 10, 349-356.	2.6	104
59	Zn^{II} Coordination Poylmers Based on 2,3,6,7-Anthracenetetracarboxylic Acid: Synthesis, Structures, and Luminescence Properties. Crystal Growth and Design, 2009, 9, 4840-4846.	3.0	103
60	Zinc and Cadmium Coordination Polymers with Bis(tetrazole) Ligands Bearing Flexible Spacers: Synthesis, Crystal Structures, and Properties. Crystal Growth and Design, 2009, 9, 2280-2286.	3.0	103
61	Zinc(ii) coordination architectures with two bulky anthracene-based carboxylic ligands: crystal structures and luminescent properties. CrystEngComm, 2008, 10, 681.	2.6	102
62	Slow Magnetic Relaxation in Two New 1D/0D Dy^{III} Complexes with a Sterically Hindered Carboxylate Ligand. Inorganic Chemistry, 2013, 52, 2103-2109.	4.0	99
63	Soft Porous Crystal Based upon Organic Cages That Exhibit Guest-Induced Breathing and Selective Gas Separation. Journal of the American Chemical Society, 2019, 141, 9408-9414.	13.7	98
64	A Giant Dy₇₆ Cluster: A Fused Biâ€Nanopillar Structural Model for Lanthanide Clusters. Angewandte Chemie - International Edition, 2019, 58, 10184-10188.	13.8	94
65	Conformation versatility of ligands in coordination polymers: From structural diversity to properties and applications. Coordination Chemistry Reviews, 2018, 375, 558-586.	18.8	93
66	Confined Heteropoly Blues in Defected Zrâ€MOF (Bottle Around Ship) for Highâ€Efficiency Oxidative Desulfurization. Small, 2020, 16, e1906432.	10.0	92
67	Synthesis, Structures, and Magnetic Properties of the Copper(II), Cobalt(II), and Manganese(II) Complexes with 9-Acridinecarboxylate and 4-Quinolinecarboxylate Ligands. Inorganic Chemistry, 2005, 44, 9837-9846.	4.0	91
68	Perspectives on Electron-Assisted Reduction for Preparation of Highly Dispersed Noble Metal Catalysts. ACS Sustainable Chemistry and Engineering, 2014, 2, 3-13.	6.7	91
69	Li-ion storage and gas adsorption properties of porous polyimides (PIs). RSC Advances, 2014, 4, 7506.	3.6	91
70	Magnetocaloric effect and slow magnetic relaxation in two dense (3,12)-connected lanthanide complexes. Inorganic Chemistry Frontiers, 2014, 1, 549-552.	6.0	89
71	Chemically Stable Guanidinium Covalent Organic Framework for the Efficient Capture of Low-Concentration Iodine at High Temperatures. Journal of the American Chemical Society, 2022, 144, 6821-6829.	13.7	89
72	Two luminescent coordination polymers as highly selective and sensitive chemosensors for Cr^{VI}-anions in aqueous medium. Dalton Transactions, 2019, 48, 387-394.	3.3	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):Â Crystal Structures and Magnetic Properties. Inorganic Chemistry, 2002, 41, 1855-1861.	4.0	86
74	Hydro(solvo)thermal synthetic strategy towards azido/formato-mediated molecular magnetic materials. Coordination Chemistry Reviews, 2015, 289-290, 32-48.	18.8	86
75	Metalâ€“Organic Framework Derived Coreâ€“Shell Co/Co₃O₄@N-C Nanocomposites as High Performance Anode Materials for Lithium Ion Batteries. Inorganic Chemistry, 2018, 57, 4620-4628.	4.0	86
76	Tuning silver(I) coordination architectures by ligands design: from dinuclear, trinuclear, to 1D and 3D frameworks. CrystEngComm, 2008, 10, 1866.	2.6	85
77	Recent Progress in 2D Metalâ€Organic Frameworks for Optical Applications. Advanced Optical Materials, 2020, 8, 2000110.	7.3	85
78	A New 10-Connected Coordination Network with Pentanuclear Zinc Clusters as Secondary Building Units. Crystal Growth and Design, 2012, 12, 1064-1068.	3.0	84
79	Novel nickel(II) complexes with diazamesocyclic ligands functionalized by additional phenol donor pendant(s): synthesis, characterization, crystal structures and magnetic properties. Dalton Transactions RSC, 2001, , 593-598.	2.3	83
80	A Water-Stable Metalâ€“Organic Framework with a Double-Helical Structure for Fluorescent Sensing. Inorganic Chemistry, 2016, 55, 7326-7328.	4.0	83
81	Targeted Structure Modulation of â€œPillar-Layeredâ€•Metalâ€“Organic Frameworks for CO2 Capture. Inorganic Chemistry, 2014, 53, 8985-8990.	4.0	82
82	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	21.0	82
83	Effect of Anions on the Framework Formation of Novel AgICoordination Polymers with Angular Bridging Ligands. Crystal Growth and Design, 2004, 4, 71-78.	3.0	81
84	Tuning the framework formation of silver(i) coordination architectures with heterocyclic thioethers. Dalton Transactions, 2003, , 1509-1514.	3.3	78
85	Employing Zinc Clusters as SBUs To Construct (3,8) and (3,14)-Connected Coordination Networks: Structures, Topologies, and Luminescence. Crystal Growth and Design, 2012, 12, 2730-2735.	3.0	77
86	Self-Optimized Metalâ€“Organic Framework Electrocatalysts with Structural Stability and High Current Tolerance for Water Oxidation. ACS Catalysis, 2021, 11, 7132-7143.	11.2	77
87	Varying Coordination Modes and Magnetic Properties of Copper(II) Complexes with Diazamesocyclic Ligands by Altering Additional Donor Pendants on 1,5-Diazacyclooctane. Inorganic Chemistry, 2000, 39, 4190-4199.	4.0	76
88	Construction of a Multi-Cage-Based MOF with a Unique Network for Efficient CO₂ Capture. ACS Applied Materials & Interfaces, 2017, 9, 26177-26183.	8.0	75
89	Regulating Second-Harmonic Generation by van der Waals Interactions in Two-dimensional Lead Halide Perovskite Nanosheets. Journal of the American Chemical Society, 2019, 141, 9134-9139.	13.7	75
90	High Proton Conduction in Two Co^{II} and Mn^{II} Anionic Metalâ€“Organic Frameworks Derived from 1,3,5-Benzenetricarboxylic Acid. Crystal Growth and Design, 2016, 16, 6776-6780.	3.0	73

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91	A high-performance â€œsweeperâ€•for toxic cationic herbicides: an anionic metalâ€“organic framework with a tetrapodal cage. Chemical Communications, 2015, 51, 17439-17442.	4.1	72
92	Two microporous Fe-based MOFs with multiple active sites for selective gas adsorption. Chemical Communications, 2017, 53, 2394-2397.	4.1	72
93	Cadmium(ii) and zinc(ii) metalâ€“organic frameworks with anthracene-based dicarboxylic ligands: solvothermal synthesis, crystal structures, and luminescent properties. CrystEngComm, 2011, 13, 5152.	2.6	71
94	Novel Five-Connected Lanthanide(III)â^'Bis(sulfinyl) Coordination Polymers Forming a Unique Two-Dimensional (, 5) Network. Inorganic Chemistry, 2002, 41, 413-415.	4.0	70
95	Recent progress on cyano-bridged transition-metal-based single-molecule magnets and single-chain magnets. Coordination Chemistry Reviews, 2021, 428, 213617.	18.8	69
96	Syntheses and crystal structures of the copper(i) complexes with quinoline-based monothioether ligands. CrystEngComm, 2005, 7, 249.	2.6	68
97	Strategic Defect Engineering of Metalâ€“Organic Frameworks for Optimizing the Fabrication of Singleâ€Atom Catalysts. Advanced Functional Materials, 2021, 31, 2103597.	14.9	68
98	Specific K⁺ Binding Sites as CO₂ Traps in a Porous MOF for Enhanced CO₂ Selective Sorption. Small, 2019, 15, e1900426.	10.0	67
99	Microporous Metalâ€“Organic Framework Based on Supermolecular Building Blocks (SBBs): Structure Analysis and Selective Gas Adsorption Properties. Crystal Growth and Design, 2011, 11, 2050-2053.	3.0	66
100	Hostâ€“Guest Engineering of Coordination Polymers for Highly Tunable Luminophores Based on Charge Transfer Emissions. ACS Applied Materials & Interfaces, 2017, 9, 2662-2668.	8.0	65
101	Structure Switching and Modulation of the Magnetic Properties in Diarylethene‐Bridged Metallosupramolecular Compounds by Controlled Coordination‐Driven Self‐Assembly. Angewandte Chemie - International Edition, 2019, 58, 4339-4344.	13.8	63
102	Zn(II)-Benzotriazolate Clusters Based Amide Functionalized Porous Coordination Polymers with High CO₂ Adsorption Selectivity. Inorganic Chemistry, 2014, 53, 8842-8844.	4.0	62
103	Novel copper(II) complexes with diazamesocyclic ligands functionalized by additional donor group(s): syntheses, crystal structures and magnetic properties. Dalton Transactions RSC, 2001, , 729-735.	2.3	61
104	Template-directed synthesis of three new open-framework metal(ii) oxalates using Co(iii) complex as template. CrystEngComm, 2010, 12, 4198.	2.6	60
105	Mn(ii) metalâ€“organic frameworks based on Mn3 clusters: from 2D layer to 3D framework by the â€œpillaringâ€•approach. CrystEngComm, 2013, 15, 1613.	2.6	60
106	Recent Progress of Nanoscale Metal‐Organic Frameworks in Synthesis and Battery Applications. Advanced Science, 2021, 8, 2001980.	11.2	58
107	Proton-controlled inter-conversion between an achiral discrete molecular square and a chiral interpenetrated double-chain architecture. Chemical Communications, 2002, , 2550-2551.	4.1	57
108	New d10metalâ€“organic coordination polymers with 9,10-bis(triazol-1-ylmethyl)anthracene (L): Syntheses, crystal structures, and luminescent properties. CrystEngComm, 2007, 9, 289-297.	2.6	56

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109	A four-fold interpenetrated metalâ€“organic framework as a fluorescent sensor for volatile organic compounds. Dalton Transactions, 2016, 45, 14888-14892.	3.3	56
110	Aggregationâ€induced emission materials for nonlinear optics. Aggregate, 2021, 2, e28.	9.9	56
111	Bottom-up assembly of a porous MOF based on nanosized nonanuclear zinc precursors for highly selective gas adsorption. Journal of Materials Chemistry A, 2013, 1, 4186.	10.3	55
112	Ultra-small V2O3 embedded N-doped porous carbon nanorods with superior cycle stability for sodium-ion capacitors. Journal of Power Sources, 2018, 405, 37-44.	7.8	54
113	Metalâ€Layer Assisted Growth of Ultralong Quasiâ€2D MOF Nanoarrays on Arbitrary Substrates for Accelerated Oxygen Evolution. Small, 2019, 15, e1906086.	10.0	54
114	Novel Lanthanide(III) Coordination Polymers with 1,4-Bis(phenyl-sulfinyl)butane Forming Unique Lamellar Square Array:Â Syntheses, Crystal Structures, and Properties. Inorganic Chemistry, 2002, 41, 1007-1010.	4.0	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. CrystEngComm, 2008, 10, 699.	2.6	53
116	Temperature-Related Synthesis of Two Anionic Metalâ€“Organic Frameworks with Distinct Performance in Organic Dye Adsorption. Crystal Growth and Design, 2016, 16, 5593-5597.	3.0	53
117	Two Gd^{III} complexes derived from dicarboxylate ligands as cryogenic magnetorefrigerants. New Journal of Chemistry, 2015, 39, 6970-6975.	2.8	52
118	Efficient Regulation of Energy Transfer in a Multicomponent Dye-Loaded MOF for White-Light Emission Tuning. ACS Applied Materials & Interfaces, 2020, 12, 51589-51597.	8.0	52
119	Crystalline Porous Materials for Nonlinear Optics. Small, 2021, 17, e2006416.	10.0	52
120	Multifunctional Chiral 2D Lead Halide Perovskites with Circularly Polarized Photoluminescence and Piezoelectric Energy Harvesting Properties. ACS Nano, 2022, 16, 3221-3230.	14.6	52
121	Formation of novel discrete silver(i) coordination architectures with quinoline-based monothioethers: adjusting the intramolecular Agâ‹¯Ag distances and complex structures by ligands modifications and variations of counter anions. Dalton Transactions, 2003, , 4742-4748.	3.3	51
122	Two microporous MOFs constructed from different metal cluster SBUs for selective gas adsorption. Chemical Communications, 2015, 51, 14211-14214.	4.1	51
123	Recent Advances on Metalâ€Organic Frameworks in the Conversion of Carbon Dioxide. Chinese Journal of Chemistry, 2021, 39, 440-462.	4.9	51
124	Novel Ag(I) complexes with azole heterocycle ligands bearing acetic acid group: synthesis, characterization and crystal structures. CrystEngComm, 2008, 10, 1037.	2.6	50
125	Cadmium(ii) coordination polymers based on a bulky anthracene-based dicarboxylate ligand: crystal structures and luminescent properties. CrystEngComm, 2010, 12, 1833.	2.6	50
126	Installation of synergistic binding sites onto porous organic polymers for efficient removal of perfluorooctanoic acid. Nature Communications, 2022, 13, 2132.	12.8	49

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127	A new luminescent metal-organic framework for selective sensing of nitroaromatic explosives. Science China Chemistry, 2016, 59, 959-964.	8.2	48
128	{[Cd(bpo)(SCN)2]Â·CH3CN}n:â€‰ A Novel Three-Dimensional (3D) Noninterpenetrated Channel-Like Open Framework with Porous Properties. Crystal Growth and Design, 2002, 2, 625-629.	3.0	47
129	Facile synthesis of Co₃O₄ nanosheets from MOF nanoplates for high performance anodes of lithium-ion batteries. Inorganic Chemistry Frontiers, 2018, 5, 1602-1608.	6.0	47
130	Interconnected CoS2/NC-CNTs network as high-performance anode materials for lithium-ion batteries. Science China Materials, 2021, 64, 820-829.	6.3	47
131	Origin of Ferroelectricity in Two Prototypical Hybrid Organicâ€“Inorganic Perovskites. Journal of the American Chemical Society, 2022, 144, 816-823.	13.7	47
132	Novel Diazamesocyclic Ligands Functionalized with Pyridyl Donor Group(s) â^' Synthesis, Crystal Structures, and Properties of Their Copper(II) Complexes. European Journal of Inorganic Chemistry, 2001, 2001, 1551-1558.	2.0	46
133	Metal Coordination Architectures of 1,4-Bis(imidazol-1-ylmethyl)naphthalene:Â Syntheses, Crystal Structures, and Theoretical Investigations on the Coordination Properties of the Ligand. Crystal Growth and Design, 2007, 7, 286-295.	3.0	46
134	Construction and adsorption properties of microporous tetrazine-based organic frameworks. RSC Advances, 2012, 2, 408-410.	3.6	46
135	Thermal Instability Induced Oriented 2D Pores for Enhanced Sodium Storage. Small, 2018, 14, e1800639.	10.0	46
136	Electronic structures and elastic properties of a family of metal-free perovskites. Materials Chemistry Frontiers, 2019, 3, 1678-1685.	5.9	46
137	Syntheses, Structure, and Properties of the Metal Complexes with 3-(2-Pyridyl)pyrazole-Based Ligands:â€‰ Tuning the Complex Structures by Ligand Modifications. Crystal Growth and Design, 2006, 6, 99-108.	3.0	44
138	A three-dimensional metalâ€“organic framework for selective sensing of nitroaromatic compounds. APL Materials, 2014, 2, .	5.1	44
139	Bimetallic metalâ€“organic framework derived Co₃O₄â€“CoFe₂O₄composites with different Fe/Co molar ratios as anode materials for lithium ion batteries. Dalton Transactions, 2017, 46, 15947-15953.	3.3	43
140	Selective gas adsorption and fluorescence sensing response of a Zn(<scp>ii</scp>) metalâ€“organic framework constructed by a mixed-ligand strategy. Dalton Transactions, 2017, 46, 4893-4897.	3.3	42
141	Highâ€Efficiency Separation ofnâ€Hexane by a Dynamic Metalâ€Organic Framework with Reduced Energy Consumption. Angewandte Chemie - International Edition, 2021, 60, 10593-10597.	13.8	42
142	Ferromagnetic coupling in a unique Cu(II) metallacyclophane with functionalized diazamesocyclic ligands formed by Cu(II)-directed self-assembly: magneto-structural correlations for dichloro-bridged Cu(II) dinuclear complexes. New Journal of Chemistry, 2002, 26, 645-650.	2.8	41
143	Novel Silver(I) Coordination Polymers with a Series of Bis(arylthio)ether Ligands Bearing atrans-2-Butene Backbone. Crystal Growth and Design, 2005, 5, 215-222.	3.0	41
144	Effective Co_xS_y HER Electrocatalysts Fabricated by Inâ€Situ Sulfuration of a Metalâ€Organic Framework. ChemElectroChem, 2018, 5, 3639-3644.	3.4	41

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145	Structural and first magnetic characterization of unique mono-Âμ-chloro bridged dinuclear CuII complexes with heterocycle-functionalized diazamesocyclic ligands. New Journal of Chemistry, 2002, 26, 939-945.	2.8	40
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