Jian Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

488 papers	24,858 citations	4658 85 h-index	13771 129 g-index
488 all docs	488 docs citations	488 times ranked	14430 citing authors

#	Article	IF	Citations
1	Hybrid Zeolitic Imidazolate Frameworks with Catalytically Active TO₄ Building Blocks. Angewandte Chemie - International Edition, 2011, 50, 450-453.	13.8	347
2	Homochiral Crystallization of Microporous Framework Materials from Achiral Precursors by Chiral Catalysis. Journal of the American Chemical Society, 2008, 130, 12882-12883.	13.7	319
3	Water-Stable Metalâ€“Organic Frameworks for Fast and High Dichromate Trapping via Single-Crystal-to-Single-Crystal Ion Exchange. Chemistry of Materials, 2015, 27, 205-210.	6.7	295
4	Doping copper into ZIF-67 for enhancing gas uptake capacity and visible-light-driven photocatalytic degradation of organic dye. Journal of Materials Chemistry, 2012, 22, 21849.	6.7	289
5	Metal-organic frameworks based upon non-zeotype 4-connected topology. Coordination Chemistry Reviews, 2014, 261, 1-27.	18.8	286
6	A multifunctional helical Cu(i) coordination polymer with mechanochromic, sensing and photocatalytic properties. Chemical Communications, 2013, 49, 5660.	4.1	273
7	Synthetic strategies, diverse structures and tuneable properties of polyoxo-titanium clusters. Chemical Society Reviews, 2018, 47, 404-421.	38.1	272
8	Integrating the g-C₃N₄ Nanosheet with Bâ€“H Bonding Decorated Metalâ€“Organic Framework for CO₂ Activation and Photoreduction. ACS Nano, 2018, 12, 5333-5340.	14.6	263
9	Multiroute Synthesis of Porous Anionic Frameworks and Size-Tunable Extraframework Organic Cation-Controlled Gas Sorption Properties. Journal of the American Chemical Society, 2009, 131, 16027-16029.	13.7	247
10	Design and synthesis of multifunctional metalâ€“organic zeolites. Chemical Society Reviews, 2018, 47, 2130-2144.	38.1	243
11	Luminescent MTN-Type Clusterâ€“Organic Framework with 2.6 nm Cages. Journal of the American Chemical Society, 2012, 134, 17881-17884.	13.7	239
12	Zeolitic Imidazolate Framework as Formaldehyde Gas Sensor. Inorganic Chemistry, 2014, 53, 5411-5413.	4.0	238
13	Chiral chemistry of metalâ€“camphorate frameworks. Chemical Society Reviews, 2016, 45, 3122-3144.	38.1	229
14	Two-Dimensional Copper(I) Coordination Polymer Materials as Photocatalysts for the Degradation of Organic Dyes. Inorganic Chemistry, 2013, 52, 12-14.	4.0	228
15	Versatile Structureâ€Directing Roles of Deepâ€Eutectic Solvents and Their Implication in the Generation of Porosity and Open Metal Sites for Gas Storage. Angewandte Chemie - International Edition, 2009, 48, 3486-3490.	13.8	227
16	Zeolitic Boron Imidazolate Frameworks. Angewandte Chemie - International Edition, 2009, 48, 2542-2545.	13.8	224
17	A Simultaneous Redox, Alkylation, Self-Assembly Reaction under Solvothermal Conditions Afforded a Luminescent Copper(I) Chain Polymer Constructed of Cu3I4- and EtS-4-C5H4N+Et Components (Et =) Tj ETQq1 1 0.784314 rgBT /Ov	13.8	223
18	Enhanced photocatalytic hydrogen production activity via dual modification of MOF and reduced graphene oxide on CdS. Chemical Communications, 2014, 50, 8533.	4.1	212

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19	Synthesis, Structure, and Luminescent Properties of Hybrid Inorganicâ^'Organic Framework Materials Formed by Lead Aromatic Carboxylates: Inorganic Connectivity Variation from 0D to 3D. Inorganic Chemistry, 2009, 48, 6517-6525.	4.0	204
20	In situ synthesis of nâ€“n Bi₂MoO₆ & Bi₂S₃ heterojunctions for highly efficient photocatalytic removal of Cr(<scp>vi</scp>). Journal of Materials Chemistry A, 2018, 6, 22580-22589.	10.3	200
21	Integrated Molecular Chirality, Absolute Helicity, and Intrinsic Chiral Topology in Three-Dimensional Open-Framework Materials. Journal of the American Chemical Society, 2008, 130, 17246-17247.	13.7	196
22	Isolated Squareâ€Planar Copper Center in Boron Imidazolate Nanocages for Photocatalytic Reduction of CO₂ to CO. Angewandte Chemie - International Edition, 2019, 58, 11752-11756.	13.8	194
23	A 3.6 nm Ti₅₂â€“Oxo Nanocluster with Precise Atomic Structure. Journal of the American Chemical Society, 2016, 138, 7480-7483.	13.7	193
24	Multiple Functions of Ionic Liquids in the Synthesis of Threeâ€Dimensional Lowâ€Connectivity Homochiral and Achiral Frameworks. Angewandte Chemie - International Edition, 2008, 47, 5434-5437.	13.8	187
25	Tuning Structural Topologies of Three Photoluminescent Metalâ€“Organic Frameworks via Isomeric Biphenyldicarboxylates. Inorganic Chemistry, 2012, 51, 9677-9682.	4.0	187
26	Hierarchical MoS₂ Hollow Architectures with Abundant Mo Vacancies for Efficient Sodium Storage. ACS Nano, 2019, 13, 5533-5540.	14.6	187
27	An Ultrastable Europium(III)â€“Organic Framework with the Capacity of Discriminating Fe²⁺/Fe³⁺ Ions in Various Solutions. Inorganic Chemistry, 2016, 55, 10114-10117.	4.0	186
28	Acid and Base Resistant Zirconium Polyphenolateâ€Metalloporphyrin Scaffolds for Efficient CO₂ Photoreduction. Advanced Materials, 2018, 30, 1704388.	21.0	184
29	Fullerene-like Polyoxotitanium Cage with High Solution Stability. Journal of the American Chemical Society, 2016, 138, 2556-2559.	13.7	183
30	Bandgap Engineering of Titaniumâ€“Oxo Clusters: Labile Surface Sites Used for Ligand Substitution and Metal Incorporation. Angewandte Chemie - International Edition, 2016, 55, 5160-5165.	13.8	181
31	Manganese and Magnesium Homochiral Materials:â€‰ Decoration of Honeycomb Channels with Homochiral Chains. Journal of the American Chemical Society, 2007, 129, 14168-14169.	13.7	180
32	Urothermal Synthesis of Crystalline Porous Materials. Angewandte Chemie - International Edition, 2010, 49, 8876-8879.	13.8	179
33	MOFâ€Templated Synthesis of Ultrasmall Photoluminescent Carbonâ€Nanodot Arrays for Optical Applications. Angewandte Chemie - International Edition, 2017, 56, 6853-6858.	13.8	179
34	A Tale of Three Carboxylates: Cooperative Asymmetric Crystallization of a Threeâ€Dimensional Microporous Framework from Achiral Precursors. Angewandte Chemie - International Edition, 2010, 49, 1267-1270.	13.8	172
35	Comparative Study of Homochiral and Racemic Chiral Metal-Organic Frameworks Built from Camphoric Acid. Chemistry of Materials, 2007, 19, 5083-5089.	6.7	166
36	Zeolite RHO-Type Net with the Lightest Elements. Journal of the American Chemical Society, 2009, 131, 6111-6113.	13.7	161

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37	Anionic Lanthanide MOFs as a Platform for Iron-Selective Sensing, Systematic Color Tuning, and Efficient Nanoparticle Catalysis. Inorganic Chemistry, 2017, 56, 1402-1411.	4.0	157
38	Cobalt Boron Imidazolate Framework Derived Cobalt Nanoparticles Encapsulated in B/N Codoped Nanocarbon as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. Advanced Functional Materials, 2018, 28, 1801136.	14.9	155
39	Hydrothermal Syntheses, Crystal Structures, and Properties of a Novel Class of 3,3â€˜,4,4â€˜-Benzophenone-tetracarboxylate (BPTC) Polymers. Inorganic Chemistry, 2004, 43, 8085-8091.	4.0	153
40	Tunable MoS₂/SnO₂ Pâ€“N Heterojunctions for an Efficient Trimethylamine Gas Sensor and 4-Nitrophenol Reduction Catalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 12375-12384.	6.7	151
41	Highly Selective and Sensitive Trimethylamine Gas Sensor Based on Cobalt Imidazolate Framework Material. ACS Applied Materials & Interfaces, 2014, 6, 22871-22875.	8.0	146
42	Water-Soluble and Ultrastable Ti₄L₆ Tetrahedron with Coordination Assembly Function. Journal of the American Chemical Society, 2017, 139, 16845-16851.	13.7	145
43	Organic Cation and Chiral Anion Templated 3D Homochiral Openâ€Framework Materials with Unusual Squareâ€Planar {M₄(OH)} Units. Angewandte Chemie - International Edition, 2007, 46, 8388-8391.	13.8	143
44	Pore partition effect on gas sorption properties of an anionic metalâ€“organic framework with exposed Cu2+ coordination sites. Chemical Communications, 2011, 47, 10647.	4.1	139
45	Engineering the Coordination Sphere of Isolated Active Sites to Explore the Intrinsic Activity in Single-Atom Catalysts. Nano-Micro Letters, 2021, 13, 136.	27.0	138
46	Chiralization of Diamond Nets: Stretchable Helices and Chiral and Achiral Nets with Nearly Identical Unit Cells. Angewandte Chemie - International Edition, 2007, 46, 6115-6118.	13.8	135
47	Interrupted Zeolite LTA and ATN-Type Boron Imidazolate Frameworks. Journal of the American Chemical Society, 2011, 133, 11884-11887.	13.7	134
48	Using alkaline-earth metal ions to tune structural variations of 1,3,5-benzenetricarboxylate coordination polymers. Dalton Transactions, 2013, 42, 2294-2301.	3.3	134
49	Topology Analysis and Nonlinear-Optical-Active Properties of Luminescent Metalâ^'Organic Framework Materials Based on Zinc/Lead Isophthalates. Inorganic Chemistry, 2008, 47, 8286-8293.	4.0	132
50	A Confined Fabrication of Perovskite Quantum Dots in Oriented MOF Thin Film. ACS Applied Materials & Interfaces, 2016, 8, 28737-28742.	8.0	132
51	Metal-organic frameworks for electrochemical reduction of carbon dioxide: The role of metal centers. Journal of Energy Chemistry, 2020, 40, 156-170.	12.9	130
52	Epitaxial growth of oriented prussian blue analogue derived well-aligned CoFe2O4 thin film for efficient oxygen evolution reaction. Applied Catalysis B: Environmental, 2019, 245, 1-9.	20.2	128
53	Hostâ€“Guest Chirality Interplay: A Mutually Induced Formation of a Chiral ZMOF and Its Double-Helix Polymer Guests. Journal of the American Chemical Society, 2016, 138, 786-789.	13.7	125
54	Water-Stable Metalâ€“Organic Frameworks with Selective Sensing on Fe³⁺ and Nitroaromatic Explosives, and Stimuli-Responsive Luminescence on Lanthanide Encapsulation. Inorganic Chemistry, 2019, 58, 1481-1491.	4.0	125

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55	Alkaline earth metal ion doped Zn(ii)-terephthalates. CrystEngComm, 2012, 14, 4843.	2.6	124
56	pH Influence on the Structural Variations of 4,4â€²-Oxydiphthalate Coordination Polymers. Crystal Growth and Design, 2012, 12, 333-345.	3.0	124
57	Epitaxial growth and applications of oriented metalâ€“organic framework thin films. Coordination Chemistry Reviews, 2019, 378, 513-532.	18.8	122
58	A Polar Luminescent Zn Polymer Containing an Unusual Noninterpenetrated utp Net. Inorganic Chemistry, 2006, 45, 3161-3163.	4.0	121
59	Cluster-Organic Framework Materials as Heterogeneous Catalysts for High Efficient Addition Reaction of Diethylzinc to Aromatic Aldehydes. Chemistry of Materials, 2012, 24, 4711-4716.	6.7	121
60	Tuning a layer to a pillared-layer metalâ€“organic framework for adsorption and separation of light hydrocarbons. Chemical Communications, 2013, 49, 11323.	4.1	121
61	Isomerism in Titaniumâ€Oxo Clusters: Molecular Anatase Model with Atomic Structure and Improved Photocatalytic Activity. Angewandte Chemie - International Edition, 2019, 58, 1320-1323.	13.8	121
62	Three-Dimensional Open Framework Built from Cuâ‚‚S Icosahedral Clusters and Its Photocatalytic Property. Journal of the American Chemical Society, 2008, 130, 15238-15239.	13.7	120
63	Surface step decoration of isolated atom as electron pumping: Atomic-level insights into visible-light hydrogen evolution. Nano Energy, 2018, 45, 109-117.	16.0	118
64	Recent Advances on Transition Metal Dichalcogenides for Electrochemical Energy Conversion. Advanced Materials, 2021, 33, e2008376.	21.0	114
65	Assembling Polyoxoâ€Titanium Clusters and CdS Nanoparticles to a Porous Matrix for Efficient and Tunable H₂â€Evolution Activities with Visible Light. Advanced Materials, 2017, 29, 1603369.	21.0	113
66	Lanthanide-Thiophene-2,5-dicarboxylate Frameworks: Ionothermal Synthesis, Helical Structures, Photoluminescent Properties, and Single-Crystal-to-Single-Crystal Guest Exchange. Inorganic Chemistry, 2012, 51, 523-530.	4.0	112
67	Synthetic design of functional boron imidazolate frameworks. Coordination Chemistry Reviews, 2016, 307, 255-266.	18.8	108
68	Chiral Semiconductor Frameworks from Cadmium Sulfide Clusters. Journal of the American Chemical Society, 2007, 129, 8412-8413.	13.7	107
69	Synthesis, Structure, and Physical Properties of a New Anions-Controlled Cd(II)-Guanazole (3,5-Diamino-1,2,4-triazole) Hybrid Family. Inorganic Chemistry, 2008, 47, 4861-4876.	4.0	107
70	Three-Dimensional Homochiral Transition-Metal Camphorate Architectures Directed by a Flexible Auxiliary Ligand. Inorganic Chemistry, 2008, 47, 3495-3497.	4.0	106
71	Tunable Synthesis of Hollow Metalâ€“Nitrogenâ€“Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. ACS Nano, 2019, 13, 8087-8098.	14.6	106
72	New Zeolitic Imidazolate Frameworks: From Unprecedented Assembly of Cubic Clusters to Ordered Cooperative Organization of Complementary Ligands. Chemistry of Materials, 2008, 20, 7377-7382.	6.7	102

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73	A new approach towards tetrahedral imidazolate frameworks for high and selective CO2 uptake. Chemical Communications, 2011, 47, 5828.	4.1	102
74	Highly active nonprecious metal hydrogen evolution electrocatalyst: ultrafine molybdenum carbide nanoparticles embedded into a 3D nitrogen-implanted carbon matrix. NPG Asia Materials, 2016, 8, e293-e293.	7.9	100
75	A Series of Ca(II) or Ba(II) Inorganicâ€“Organic Hybrid Frameworks Based on Aromatic Polycarboxylate Ligands with the Inorganic Mâ€“Oâ€“M (M = Ca, Ba) Connectivity from 1D to 3D. Crystal Growth and Design, 2012, 12, 3231-3238.	3.0	99
76	Atomically Precise Multimetallic Semiconductive Nanoclusters with Optical Limiting Effects. Angewandte Chemie - International Edition, 2018, 57, 11252-11256.	13.8	99
77	Synthesis of a Boronâ€“Imidazolate Framework Nanosheet with Dimer Copper Units for CO₂ Electroreduction to Ethylene. Angewandte Chemie - International Edition, 2021, 60, 16687-16692.	13.8	99
78	Mesoporous Assembly of Aluminum Molecular Rings for Iodine Capture. Journal of the American Chemical Society, 2021, 143, 2325-2330.	13.7	98
79	Absolute helicity induction in three-dimensional homochiral frameworks. Chemical Communications, 2009, , 206-208.	4.1	96
80	Gas Sorption, Second-Order Nonlinear Optics, and Luminescence Properties of a Series of Lanthanideâ€“Organic Frameworks Based on Nanosized Tris((4-carboxyl)phenylduryl)amine Ligand. Inorganic Chemistry, 2013, 52, 12758-12762.	4.0	96
81	Charge Matching on Designing Neutral Cadmiumâ€“Lanthanideâ€“Organic Open Frameworks for Luminescence Sensing. Chemistry - an Asian Journal, 2012, 7, 1069-1073.	3.3	95
82	Highly Efficient Cï£¿H Oxidative Activation by a Porous Mn^{III}â€“Porphyrin Metalâ€“Organic Framework under Mild Conditions. Chemistry - A European Journal, 2013, 19, 14316-14321.	3.3	95
83	Temperature dependent charge distribution in three-dimensional homochiral cadmium camphorates. Chemical Communications, 2008, , 444-446.	4.1	94
84	Supramolecular Isomerism and Various Chain/Layer Substructures in Silver(I) Compounds: Syntheses, Structures, and Luminescent Properties. Crystal Growth and Design, 2009, 9, 4884-4896.	3.0	93
85	A surface-mounted MOF thin film with oriented nanosheet arrays for enhancing the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 18519-18528.	10.3	92
86	Role of molar-ratio, temperature and solvent on the Zn/Cd 1,2,4-triazolate system with novel topological architectures. CrystEngComm, 2011, 13, 3536.	2.6	89
87	Dynamic microporous indium(<scp>iii</scp>)-4,4â€²-oxybis(benzoate) framework with high selectivity for the adsorption of CO₂over N₂. Chemical Communications, 2011, 47, 770-772.	4.1	87
88	Homochiral metalâ€“organic frameworks for enantioseparation. Chemical Society Reviews, 2021, 50, 5706-5745.	38.1	86
89	Interweaving 3D Network with Double Helical Tubes Filled by 1D Coordination Polymer Chains. Inorganic Chemistry, 2004, 43, 6525-6527.	4.0	85
90	Ionothermal Synthesis of Homochiral Framework with Acetate-Pillared Cobaltâ^'Camphorate Architecture. Inorganic Chemistry, 2008, 47, 5567-5569.	4.0	85

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91	Interpenetrated Metal-Porphyrinic Framework for Enhanced Nonlinear Optical Limiting. Journal of the American Chemical Society, 2021, 143, 17162-17169.	13.7	85
92	A 3-D Noninterpenetrating Diamondoid Network of a Decanuclear Copper(I) Complex. Inorganic Chemistry, 2005, 44, 3386-3388.	4.0	83
93	Chiral Porous Metacrystals: Employing Liquid-Phase Epitaxy to Assemble Enantiopure Metalâ€“Organic Nanoclusters into Molecular Framework Pores. ACS Nano, 2016, 10, 977-983.	14.6	83
94	Multifunctional Homochiral Lanthanide Camphorates with Mixed Achiral Terephthalate Ligands. Inorganic Chemistry, 2010, 49, 9257-9264.	4.0	82
95	Induction in urothermal synthesis of chiral porous materials from achiral precursors. Chemical Communications, 2011, 47, 4950.	4.1	80
96	Tuning MOF Stability and Porosity via Adding Rigid Pillars. Inorganic Chemistry, 2012, 51, 9649-9654.	4.0	79
97	A New Zeolitic Topology with Sixteenâ€Membered Ring and Multidimensional Large Pore Channels. Chemistry - A European Journal, 2008, 14, 7771-7773.	3.3	76
98	Highly Selective Sorption of Small Hydrocarbons and Photocatalytic Properties of Three Metalâ€“Organic Frameworks Based on Tris(4-(1H-imidazol-1-yl)phenyl)amine Ligand. Inorganic Chemistry, 2014, 53, 4209-4214.	4.0	76
99	High Color Rendering Index White-Light Emission from UV-Driven LEDs Based on Single Luminescent Materials: Two-Dimensional Perovskites (C₆H₅C₂H₄NH₃)₂PbBr_xCl_{4-x}. ACS Applied Materials & Interfaces, 2018, 10, 15980-15987.	8.0	75
100	Anion-Induced Coordination Versatility of 1H-1,2,4-Triazole-3-thiol (HtrzSH) Affording a New Hybrid System of Cadmium(II) Polymers: Synthesis, Structure, and Luminescent Properties. Crystal Growth and Design, 2008, 8, 2562-2573.	3.0	74
101	Organically templated metalâ€“organic framework with 2-fold interpenetrated {33.59.63}-lcy net. Chemical Communications, 2008, , 2532.	4.1	74
102	Open diamondoid amino-functionalized MOFs for CO2 capture. Chemical Communications, 2012, 48, 4842.	4.1	74
103	A new approach towards zeolitic tetrazolate-imidazolate frameworks (ZTIFs) with uncoordinated N-heteroatom sites for high CO2uptake. Chemical Communications, 2014, 50, 12065-12068.	4.1	74
104	Hollow Cuâ€“TiO₂/C nanospheres derived from a Ti precursor encapsulated MOF coating for efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 7175-7181.	10.3	74
105	CuI Cluster-Based Organic Frameworks with Unusual 4- and 5-Connected Topologies. Crystal Growth and Design, 2011, 11, 29-32.	3.0	69
106	N-donor ligands enhancing luminescence properties of seven Zn/Cd(<scp>ii</scp>) MOFs based on a large rigid Iâ€conjugated carboxylate ligand. CrystEngComm, 2015, 17, 9155-9166.	2.6	69
107	Dual-Emission SG7@MOF Sensor via SCâ€“SC Transformation: Enhancing the Formation of Excimer Emission and the Range and Sensitivity of Detection. ACS Applied Materials & Interfaces, 2018, 10, 18012-18020.	8.0	68
108	Auto-controlled fabrication of a metal-porphyrin framework thin film with tunable optical limiting effects. Chemical Science, 2020, 11, 1935-1942.	7.4	68

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109	Breaking the Mirror: pHâ€Controlled Chirality Generation from a meso Ligand to a Racemic Ligand. Chemistry - A European Journal, 2009, 15, 989-1000.	3.3	67
110	Unusual parallel entanglement of metalâ€“organic 2D frameworks with coexistence of polyrotaxane, polycatenane and interdigitation. CrystEngComm, 2009, 11, 1030.	2.6	67
111	Stable Mg-Metalâ€“Organic Framework (MOF) and Unstable Zn-MOF Based on Nanosized Tris((4-carboxyl)phenylduryl)amine Ligand. Crystal Growth and Design, 2013, 13, 6-9.	3.0	67
112	1D chain structure, NLO and luminescence properties of. Inorganic Chemistry Communication, 2004, 7, 1139-1141.	3.9	66
113	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. ACS Nano, 2018, 12, 4594-4604.	14.6	66
114	Interface engineered in situ anchoring of Co₉S₈ nanoparticles into a multiple doped carbon matrix: highly efficient zincâ€“air batteries. Nanoscale, 2018, 10, 2649-2657.	5.6	66
115	In Situ Synthesis of Tetradentate Dye for Construction of Three-Dimensional Homochiral Phosphor. Chemistry of Materials, 2008, 20, 5457-5459.	6.7	63
116	Tuning structural topologies of four Ni(ii) coordination polymers through modifying the substitute group of organic ligand. CrystEngComm, 2013, 15, 6191.	2.6	63
117	Vertically Aligned MoS₂ with In-Plane Selectively Cleaved Moâ€“S Bond for Hydrogen Production. Nano Letters, 2021, 21, 1848-1855.	9.1	63
118	A rare metalâ€“organic 3D architecture with a pseudo-primitive cubic topology with double edges constructed from a 12-connected SBU. New Journal of Chemistry, 2005, 29, 995.	2.8	62
119	Surface modification of polyoxometalate hostâ€“guest supramolecular architectures: from metalâ€“organic pseudorotaxane framework to molecular box. Chemical Communications, 2011, 47, 4150.	4.1	62
120	Large Titanium-Oxo Clusters as Precursors to Synthesize the Single Crystals of Ti-MOFs. , 2021, 3, 64-68.		62
121	Liquid-phase epitaxial growth of a homochiral MOF thin film on poly(<scp>l</scp>-DOPA) functionalized substrate for improved enantiomer separation. Chemical Communications, 2016, 52, 772-775.	4.1	60
122	Combining a Titaniumâ€“Organic Cage and a Hydrogenâ€Bonded Organic Cage for Highly Effective Thirdâ€Order Nonlinear Optics. Angewandte Chemie - International Edition, 2021, 60, 2920-2923.	13.8	59
123	Chemical Communications, 2004, , 1046.	4.1	58
124	Microporous Zinc Tris[(4-carboxyl)phenylduryl]amine Framework with an Unusual Topological Net for Gas Storage and Separation. Inorganic Chemistry, 2012, 51, 1995-1997.	4.0	58
125	A Highly Energetic Nâ€Rich Metalâ€“Organic Framework as a New Highâ€Energyâ€Density Material. Chemistry - A European Journal, 2016, 22, 1141-1145.	3.3	58
126	Guest inducing fluorescence switching in lanthanideâ€“tris((4-carboxyl)phenylduryl)amine frameworks integrating porosity and flexibility. Journal of Materials Chemistry C, 2014, 2, 4436.	5.5	57

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127	Ag₁₀Ti₂₈â€Oxo Cluster Containing Singleâ€Atom Silver Sites: Atomic Structure and Synergistic Electronic Properties. Angewandte Chemie - International Edition, 2019, 58, 10932-10935.	13.8	57
128	A new open framework material based on designed semi-rigid T-shaped tricarboxylate ligand. Inorganic Chemistry Communication, 2011, 14, 986-989.	3.9	56
129	Integration of rigid and flexible organic parts for the construction of a homochiral metalâ€“organic framework with high porosity. Chemical Communications, 2015, 51, 2565-2568.	4.1	56
130	Epitaxial Growth of MOF Thin Film for Modifying the Dielectric Layer in Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 7259-7264.	8.0	56
131	Conformation Preference of a Flexible Cyclohexanetetracarboxylate Ligand in Three New Metal-Organic Frameworks: Structures, Magnetic and Luminescent Properties. Inorganic Chemistry, 2009, 48, 7194-7200.	4.0	55
132	Redox-active Cu(<scp>i</scp>) boron imidazolate framework for mechanochromic and catalytic applications. Chemical Communications, 2014, 50, 8754.	4.1	55
133	Structural Diversity and Photoluminescent Properties of Zinc Benzotriazole-5-carboxylate Coordination Polymers. Inorganic Chemistry, 2014, 53, 1500-1506.	4.0	55
134	Cadmiumâ^'Porphyrin Coordination Networks: Rich Coordination Modes and Three-Dimensional Four-Connected CdSO4and (3,5)-Connected hms Nets. Crystal Growth and Design, 2007, 7, 2576-2581.	3.0	54
135	Nucleotideâ€Catalyzed Conversion of Racemic Zeoliteâ€Type Zincophosphate into Enantioenriched Crystals. Angewandte Chemie - International Edition, 2009, 48, 6049-6051.	13.8	54
136	Variable Lithium Coordination Modes in Two- and Three-Dimensional Lithium Boron Imidazolate Frameworks. Chemistry of Materials, 2009, 21, 3830-3837.	6.7	54
137	Interface Designing over WS₂/W₂C for Enhanced Hydrogen Evolution Catalysis. ACS Applied Energy Materials, 2018, 1, 3377-3384.	5.1	54
138	Designable Aluminum Molecular Rings: Ring Expansion and Ligand Functionalization. Angewandte Chemie - International Edition, 2020, 59, 16735-16740.	13.8	54
139	Liquid-Phase Epitaxial Growth of Azapyrene-Based Chiral Metalâ€“Organic Framework Thin Films for Circularly Polarized Luminescence. ACS Applied Materials & Interfaces, 2019, 11, 31421-31426.	8.0	53
140	A water-stable zeolite-like metalâ€“organic framework for selective separation of organic dyes. RSC Advances, 2014, 4, 1480-1483.	3.6	52
141	Chiral-Induced Ultrathin Covalent Organic Frameworks Nanosheets with Tunable Circularly Polarized Luminescence. Journal of the American Chemical Society, 2022, 144, 7245-7252.	13.7	52
142	Paratactic Assembly of Two Distinct Units into a Unique 3D Architecture. Crystal Growth and Design, 2005, 5, 1313-1315.	3.0	51
143	Comparative Study of Activation Methods on Tuning Gas Sorption Properties of a Metalâ€“Organic Framework with Nanosized Ligands. Inorganic Chemistry, 2012, 51, 11232-11234.	4.0	51
144	Zinc(II)-boron(III)-imidazolate framework (ZBIF) with unusual pentagonal channels prepared from deep eutectic solvent. Dalton Transactions, 2010, 39, 697-699.	3.3	50

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145	Homochiral porous metalâ€“organic frameworks containing only achiral building blocks for enantioselective separation. Journal of Materials Chemistry, 2012, 22, 16288.	6.7	50
146	Tuning structural topologies of five photoluminescent Cd(II) coordination polymers through modifying the substitute group of organic ligand. Journal of Solid State Chemistry, 2013, 199, 42-48.	2.9	50
147	Porous ctnâ€Type Boron Imidazolate Framework for Gas Storage and Separation. Chemistry - A European Journal, 2013, 19, 11527-11530.	3.3	50
148	Titaniumâ€“Oxo Cluster Based Precise Assembly for Multidimensional Materials. Chemistry of Materials, 2017, 29, 2681-2684.	6.7	50
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