Daofeng Sun

List of Publications by Year
in descending order

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298	19,070	9775	15716
papers	citations	73 h-index	125 g-index

304	304	304	12374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal-Organic Framework from an Anthracene Derivative Containing Nanoscopic Cages Exhibiting High Methane Uptake. Journal of the American Chemical Society, 2008, 130, 1012-1016.	6.6	813
2	An Isoreticular Series of Metalâ€“Organic Frameworks with Dendritic Hexacarboxylate Ligands and Exceptionally High Gasâ€Uptake Capacity. Angewandte Chemie - International Edition, 2010, 49, 5357-5361.	7.2	677
3	Framework-Catenation Isomerism in Metalâ^'Organic Frameworks and Its Impact on Hydrogen Uptake. Journal of the American Chemical Society, 2007, 129, 1858-1859.	6.6	608
4	An Interweaving MOF with High Hydrogen Uptake. Journal of the American Chemical Society, 2006, 128, 3896-3897.	6.6	567
5	Syntheses and Characterizations of Three-Dimensional Channel-like Polymeric Lanthanide Complexes Constructed by 1,2,4,5-Benzenetetracarboxylic Acid. Inorganic Chemistry, 2002, 41, 2087-2094.	1.9	473
6	A Mesh-Adjustable Molecular Sieve for General Use in Gas Separation. Angewandte Chemie - International Edition, 2007, 46, 2458-2462.	7.2	358
7	Stabilization of Metalâ^'Organic Frameworks with High Surface Areas by the Incorporation of Mesocavities with Microwindows. Journal of the American Chemical Society, 2009, 131, 9186-9188.	6.6	316
8	A Mesoporous Metalâ^'Organic Framework with Permanent Porosity. Journal of the American Chemical Society, 2006, 128, 16474-16475.	6.6	314
9	Recent advances and challenges of metalâ€“organic framework membranes for gas separation. Journal of Materials Chemistry A, 2017, 5, 10073-10091.	5.2	314
10	Controlled Hydrolysis of Metalâ€“Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. ACS Nano, 2019, 13, 7024-7030.	7.3	305
11	Optimizing Multivariate Metalâ€“Organic Frameworks for Efficient C₂H₂/CO₂ Separation. Journal of the American Chemical Society, 2020, 142, 8728-8737.	6.6	289
12	A tubular europiumâ€“organic framework exhibiting selective sensing of Fe3+ and Al3+ over mixed metal ions. Chemical Communications, 2013, 49, 11557.	2.2	286
13	Recent progress in metal-organic framework-based supercapacitor electrode materials. Coordination Chemistry Reviews, 2020, 420, 213438.	9.5	280
14	Isoreticular chemistry within metalâ€“organic frameworks for gas storage and separation. Coordination Chemistry Reviews, 2021, 443, 213968.	9.5	246
15	Metalâ€“organic frameworks based luminescent materials for nitroaromatics sensing. CrystEngComm, 2016, 18, 193-206.	1.3	235
16	Syntheses and Characterizations of Copper(II) Polymeric Complexes Constructed from 1,2,4,5-Benzenetetracarboxylic Acid. Inorganic Chemistry, 2002, 41, 6161-6168.	1.9	210
17	A Metalâ^'Organic Nanotube Exhibiting Reversible Adsorption of (H₂O)₁₂ Cluster. Journal of the American Chemical Society, 2008, 130, 14064-14065.	6.6	200
18	Hydrothermal syntheses, structures and properties of terephthalate-bridged polymeric complexes with zig-zag chain and channel structures. Dalton Transactions RSC, 2001, , 2335-2340.	2.3	180

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19	Temperature-dependent supramolecular stereoisomerism in porous copper coordination networks based on a designed carboxylate ligand. Chemical Communications, 2005, , 5447.	2.2	176
20	Lanthanide metalâ€“organic frameworks containing a novel flexible ligand for luminescence sensing of small organic molecules and selective adsorption. Journal of Materials Chemistry A, 2015, 3, 12777-12785.	5.2	171
21	Syntheses and Characterizations of Zinc(II) Compounds Containing Three-Dimensional Interpenetrating Diamondoid Networks Constructed by Mixed Ligands. Crystal Growth and Design, 2004, 4, 775-780.	1.4	163
22	An unusual case of symmetry-preserving isomerism. Chemical Communications, 2010, 46, 1329.	2.2	162
23	Synthesis, characterization, and photoluminescence of isostructural Mn, Co, and Zn MOFs having a diamondoid structure with large tetrahedral cages and high thermal stability. Chemical Communications, 2005, , 2663.	2.2	161
24	Amino-functionalized MOFs with high physicochemical stability for efficient gas storage/separation, dye adsorption and catalytic performance. Journal of Materials Chemistry A, 2018, 6, 24486-24495.	5.2	159
25	A multifunctional Eu MOF as a fluorescent pH sensor and exhibiting highly solvent-dependent adsorption and degradation of rhodamine B. Journal of Materials Chemistry A, 2015, 3, 24016-24021.	5.2	154
26	Construction of Open Metalâ€“Organic Frameworks Based on Predesigned Carboxylate Isomers: From Achiral to Chiral Nets. Chemistry - A European Journal, 2006, 12, 3768-3776.	1.7	151
27	Construction of Robust Open Metalâ˜Organic Frameworks with Chiral Channels and Permanent Porosity. Inorganic Chemistry, 2007, 46, 2725-2734.	1.9	149
28	Novel Silver-Containing Supramolecular Frameworks Constructed by Combination of Coordination Bonds and Supramolecular Interactions. Inorganic Chemistry, 2003, 42, 7512-7518.	1.9	139
29	Poreâ€Environment Engineering with Multiple Metal Sites in Rareâ€Earth Porphyrinic Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 5095-5099.	7.2	136
30	Two Solvent-Dependent Zinc(II) Supramolecular Isomers: Rare kgd and Lonsdaleite Network Topologies Based on a Tripodal Flexible Ligand. Crystal Growth and Design, 2011, 11, 5182-5187.	1.4	133
31	A yolkâ€“shelled Co₉S₈/MoS₂â€“CN nanocomposite derived from a metalâ€“organic framework as a high performance anode for sodium ion batteries. Journal of Materials Chemistry A, 2018, 6, 4776-4782.	5.2	131
32	Fine-Tuning the Pore Environment of the Microporous Cu-MOF for High Propylene Storage and Efficient Separation of Light Hydrocarbons. ACS Central Science, 2019, 5, 1261-1268.	5.3	128
33	Metalâ€“Organic Framework Derived Porous Hollow Co₃O₄/Nâ€“C Polyhedron Composite with Excellent Energy Storage Capability. ACS Applied Materials & Interfaces, 2017, 9, 10602-10609.	4.0	127
34	Syntheses, crystal structures and properties of two novel lanthanideâ€“carboxylate polymeric complexes. Dalton Transactions RSC, 2002, , 1847-1851.	2.3	126
35	Topology Exploration in Highly Connected Rare-Earth Metalâ€“Organic Frameworks via Continuous Hindrance Control. Journal of the American Chemical Society, 2019, 141, 6967-6975.	6.6	125
36	Isomer separation, conformation control of flexible cyclohexanedicarboxylate ligand in cadmium complexes. Chemical Communications, 2004, , 2104-2105.	2.2	124

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37	Co(II) Metalâ^'Organic Frameworks (MOFs) Assembled from Asymmetric Semirigid Multicarboxylate Ligands: Synthesis, Crystal Structures, and Magnetic Properties. Crystal Growth and Design, 2009, 9, 5273-5282.	1.4	124
38	Control over Interpenetration in Lanthanideâ^'Organic Frameworks: Synthetic Strategy and Gas-Adsorption Properties. Inorganic Chemistry, 2010, 49, 7605-7607.	1.9	122
39	Porous Zirconium Metalâ€"Organic Framework Constructed from 2D â†' 3D Interpenetration Based on a 3,6-Connected kgd Net. Inorganic Chemistry, 2014, 53, 7086-7088.	1.9	118
40	Green Fabrication of Ultrathin Co₃O₄Nanosheets from Metalâ€"Organic Framework for Robust High-Rate Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 41827-41836.	4.0	118
41	Oneâ€step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobaltâ€Functionalized Metalâ€"Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 11350-11358.	7.2	118
42	Preparation and Gas Adsorption Studies of Three Mesh-Adjustable Molecular Sieves with a Common Structure. Journal of the American Chemical Society, 2009, 131, 6445-6451.	6.6	117
43	A multi-aromatic hydrocarbon unit induced hydrophobic metalâ€"organic framework for efficient C₂/C₁ hydrocarbon and oil/water separation. Journal of Materials Chemistry A, 2017, 5, 1168-1175.	5.2	113
44	Regulating C₂H₂ and CO₂ Storage and Separation through Pore Environment Modification in a Microporous Ni-MOF. ACS Sustainable Chemistry and Engineering, 2019, 7, 2134-2140.	3.2	113
45	Selective selenization of mixed-linker Ni-MOFs: NiSe2@NC core-shell nano-octahedrons with tunable interfacial electronic structure for hydrogen evolution reaction. Applied Catalysis B: Environmental, 2020, 272, 118976.	10.8	111
46	Two nanocage anionic metalâ€"organic frameworks with rht topology and {[M(H₂O)₆]₆}¹²⁺ charge aggregation for rapid and selective adsorption of cationic dyes. Chemical Communications, 2014, 50, 14674-14677.	2.2	110
47	Fabrication of a Hydrogenâ€Bonded Organic Framework Membrane through Solution Processing for Pressureâ€Regulated Gas Separation. Angewandte Chemie - International Edition, 2020, 59, 3840-3845.	7.2	109
48	Construction of Metalâ^'Organic Frameworks with 1D Chain, 2D Grid, and 3D Porous Framework Based on a Flexible Imidazole Ligand and Rigid Benzenedicarboxylates. Crystal Growth and Design, 2010, 10, 895-902.	1.4	108
49	Bimetallic-MOF Derived Accordion-like Ternary Composite for High-Performance Supercapacitors. Inorganic Chemistry, 2018, 57, 10953-10960.	1.9	108
50	Luminescent Terbium-Organic Framework Exhibiting Selective Sensing of Nitroaromatic Compounds (NACs). Crystal Growth and Design, 2015, 15, 2589-2592.	1.4	107
51	A novel luminescent 3D polymer containing silver chains formed by ligand unsupported Agâ€"Ag interactions and organic spacers. Dalton Transactions RSC, 2002, , 291.	2.3	99
52	Syntheses and characterizations of a series of silver-carboxylate polymers. Inorganica Chimica Acta, 2004, 357, 991-1001.	1.2	95
53	Okraâ€Like Fe₇S₈/C@ZnS/Nâ€C@C with Coreâ€"Doubleâ€Shelled Structures as Robust and Highâ€Rate Sodium Anode. Small, 2020, 16, e1907641.	5.2	95
54	Novel Metalâ€"Organic Framework Based on Cubic and Trisoctahedral Supermolecular Building Blocks: Topological Analysis and Photoluminescent Property. Crystal Growth and Design, 2012, 12, 2736-2739.	1.4	93

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55	Tetrazoleâ€Functionalized Zirconium Metalâ€Organic Cages for Efficient C₂H₂/C₂H₄ and C₂H₂/CO₂ Separations. Angewandte Chemie - International Edition, 2021, 60, 17338-17343.	7.2	93
56	Dimerization of a Metal Complex through Thermally Induced Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformation or Mechanochemical Reaction. Angewandte Chemie - International Edition, 2011, 50, 7061-7064.	7.2	92
57	Dual-functional membrane decorated with flower-like metalâ€“organic frameworks for highly efficient removal of insoluble emulsified oils and soluble dyes. Journal of Hazardous Materials, 2021, 408, 124444.	6.5	92
58	Stability and Porosity Enhancement through Concurrent Ligand Extension and Secondary Building Unit Stabilization. Inorganic Chemistry, 2006, 45, 7566-7568.	1.9	90
59	Temperature controlled diffusion of hydroxide ions in 1D channels of Ni-MOF-74 for its complete conformal hydrolysis to hierarchical Ni(OH)₂ supercapacitor electrodes. Nanoscale, 2019, 11, 9598-9607.	2.8	90
60	Comparison of the Effect of Functional Groups on Gas-Uptake Capacities by Fixing the Volumes of Cages A and B and Modifying the Inner Wall of Cage C in rht-Type MOFs. Inorganic Chemistry, 2012, 51, 10350-10355.	1.9	89
61	Supramolecular Isomerism in Honeycomb Metalâ€'Organic Frameworks Driven by CHÂ·Â·Â·Ï€ Interactions: Homochiral Crystallization from an Achiral Ligand through Chiral Inducement. Inorganic Chemistry, 2010, 49, 8650-8652.	1.9	87
62	Unprecedented Solvent-Dependent Sensitivities in Highly Efficient Detection of Metal Ions and Nitroaromatic Compounds by a Fluorescent Barium Metalâ€“Organic Framework. Inorganic Chemistry, 2016, 55, 1782-1787.	1.9	87
63	Syntheses and structures of two novel copper complexes constructed from unusual planar tetracopper(ii) SBUs. Chemical Communications, 2003, , 1528.	2.2	84
64	Porous Metal-Organic Frameworks Based on an Anthracene Derivative: Syntheses, Structure Analysis, and Hydrogen Sorption Studies. Inorganic Chemistry, 2009, 48, 5263-5268.	1.9	81
65	Self-Assembly of Metalâ€'Organic Supramolecules: From a Metallamacrocycle and a Metalâ€'Organic Coordination Cage to 1D or 2D Coordination Polymers Based on Flexible Dicarboxylate Ligands. Inorganic Chemistry, 2010, 49, 4117-4124.	1.9	81
66	Efficient ORR electrocatalytic activity of peanut shell-based graphitic carbon microstructures. Journal of Materials Chemistry A, 2018, 6, 12018-12028.	5.2	81
67	Porous Lanthanideâ€“Organic Frameworks: Control over Interpenetration, Gas Adsorption, and Catalyst Properties. Crystal Growth and Design, 2013, 13, 3154-3161.	1.4	80
68	TiO₂â€Coated Interlayerâ€Expanded MoSe₂/Phosphorusâ€Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage. Advanced Science, 2019, 6, 1801222.	5.6	80
69	In situ N-doped carbon modified (Co_{0.5}Ni_{0.5})₉S₈ solid-solution hollow spheres as high-capacity anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 8268-8276.	5.2	79
70	A MOF-derived coral-like NiSe@NC nanohybrid: an efficient electrocatalyst for the hydrogen evolution reaction at all pH values. Nanoscale, 2018, 10, 22758-22765.	2.8	78
71	An ultrafast responsive NO₂ gas sensor based on a hydrogen-bonded organic framework material. Chemical Communications, 2020, 56, 703-706.	2.2	77
72	(10,3)-a Noninterpenetrated Network Built from a Piedfort Ligand Pair. Inorganic Chemistry, 2006, 45, 1897-1899.	1.9	75

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73	A novel Smâ€“Co polymeric complex formed via metal-mediated oxidationâ€“hydrolysis of orotic acid in a hydrothermal reaction. Inorganic Chemistry Communication, 2003, 6, 815-818.	1.8	74
74	Interpenetrating Polyhedral MOF with a Primitive Cubic Network Based on Supermolecular Building Blocks Constructed of a Semirigid C₃-Symmetric Carboxylate Ligand. Inorganic Chemistry, 2009, 48, 8057-8059.	1.9	74
75	Multifunctional lanthanideâ€“organic frameworks for fluorescent sensing, gas separation and catalysis. Dalton Transactions, 2016, 45, 3743-3749.	1.6	74
76	Self-assembly of MOF on MXene nanosheets and in-situ conversion into superior nickel phosphates/MXene battery-type electrode. Chemical Engineering Journal, 2021, 425, 130602.	6.6	74
77	Diverse Ni(<scp>ii</scp>) MOFs constructed from asymmetric semi-rigid V-shaped multicarboxylate ligands: structures and magnetic properties. CrystEngComm, 2010, 12, 1096-1102.	1.3	73
78	A leadâ€“porphyrin metalâ€“organic framework: gas adsorption properties and electrocatalytic activity for water oxidation. Dalton Transactions, 2016, 45, 61-65.	1.6	73
79	Exploring the sandwich antibacterial membranes based on UiO-66/graphene oxide for forward osmosis performance. Carbon, 2019, 144, 321-332.	5.4	73
80	Efficient dye nanofiltration of a graphene oxide membrane via combination with a covalent organic framework by hot pressing. Journal of Materials Chemistry A, 2019, 7, 24301-24310.	5.2	72
81	Pb(ii) metalâ€“organic nanotubes based on cyclodextrins: biphasic synthesis, structures and properties. Chemical Science, 2012, 3, 2282.	3.7	70
82	A NbO-type copper metalâ€“organic framework decorated with carboxylate groups exhibiting highly selective CO₂adsorption and separation of organic dyes. Journal of Materials Chemistry A, 2016, 4, 13844-13851.	5.2	70
83	Exposed Equatorial Positions of Metal Centers via Sequential Ligand Elimination and Installation in MOFs. Journal of the American Chemical Society, 2018, 140, 10814-10819.	6.6	70
84	A rare (3,12)-connected zirconium metalâ€“organic framework with efficient iodine adsorption capacity and pH sensing. Journal of Materials Chemistry A, 2019, 7, 13173-13179.	5.2	68
85	Template-directed synthesis of Co2P/MoSe2 in a N-doped carbon hollow structure for efficient and stable sodium/potassium ion storage. Nano Energy, 2022, 93, 106897.	8.2	68
86	Highly efficient CoMoS heterostructure derived from vertically anchored Co5Mo10 polyoxometalate for electrocatalytic overall water splitting. Chemical Engineering Journal, 2020, 394, 124849.	6.6	67
87	Flexible metalâ€“organic frameworks for gas storage and separation. Dalton Transactions, 2022, 51, 4608-4618.	1.6	66
88	Unveiling the thermolysis natures of ZIF-8 and ZIF-67 by employing in situ structural characterization studies. Physical Chemistry Chemical Physics, 2019, 21, 17571-17577.	1.3	65
89	A 3D porous metalâ€“organic framework constructed of 1D zigzag and helical chains exhibiting selective anion exchange. CrystEngComm, 2010, 12, 1041-1043.	1.3	63
90	Highly efficient oil/water separation and trace organic contaminants removal based on superhydrophobic conjugated microporous polymer coated devices. Chemical Engineering Journal, 2017, 326, 640-646.	6.6	62

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91	Three- and Eight-Fold Interpenetrated ThSi₂ Metalâ€“Organic Frameworks Fine-Tuned by the Length of Ligand. Crystal Growth and Design, 2012, 12, 2902-2907.	1.4	61
92	An Aminoâ€Functionalized Metalâ€Organic Framework, Based on a Rare Ba₁₂(COO)₁₈(NO₃)₂ Cluster, for Efficient C₃/C₂/C₁ Separation and Preferential Catalytic Performance. Chemistry - A European Journal, 2018, 24, 2137-2143.	1.7	61
93	Bright-yellow to orange-red thermochromic luminescence of an AgI6â€“ZnII2 heterometallic aggregate. Dalton Transactions, 2013, 42, 3528.	1.6	60
94	Improving the Porosity and Catalytic Capacity of a Zinc Paddlewheel Metal-Organic Framework (MOF) through Metal-Ion Metathesis in a Single-Crystal-to-Single-Crystal Fashion. Inorganic Chemistry, 2014, 53, 10649-10653.	1.9	60
95	Cooperative Sieving and Functionalization of Zr Metalâ€“Organic Frameworks through Insertion and Post-Modification of Auxiliary Linkers. ACS Applied Materials & Interfaces, 2019, 11, 22390-22397.	4.0	60
96	Guest-tuned proton conductivity of a porphyrinylphosphonate-based hydrogen-bonded organic framework. Journal of Materials Chemistry A, 2021, 9, 2683-2688.	5.2	60
97	A fluorine-functionalized microporous In-MOF with high physicochemical stability for light hydrocarbon storage and separation. Inorganic Chemistry Frontiers, 2018, 5, 2445-2449.	3.0	59
98	Recent advances in metalâ€“organic frameworks for gas adsorption/separation. Nanoscale Advances, 2022, 4, 2077-2089.	2.2	59
99	A porous metalâ€“organic framework (MOF) with unusual 2Dâ†’3D polycatenation based on honeycomb layers. Dalton Transactions, 2012, 41, 1928-1930.	1.6	58
100	Polymorphism in High-Crystalline-Stability Metalâ€Organic Nanotubes. Inorganic Chemistry, 2009, 48, 4613-4615.	1.9	57
101	Accurately Regulating the Electronic Structure of Ni_xSe_y@NC Coreâ€“Shell Nanohybrids through Controllable Selenization of a Niâ€MOF for pHâ€Universal Hydrogen Evolution Reaction. Small, 2020, 16, e2004231.	5.2	56
102	Two New Zeolite-Like Supramolecular Copper Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 94-98.	1.0	54
103	Syntheses and characterizations of two novel Ln(III)â€“Cu(II) coordination polymers constructed by Pyridine-2,4-dicarboxylate ligand. Inorganic Chemistry Communication, 2002, 5, 366-368.	1.8	53
104	Construction of Metalâ€Organic Frameworks with Novel {Zn₈O₁₃} SBU or Chiral Channels through in Situ Ligand Reaction. Crystal Growth and Design, 2010, 10, 3324-3326.	1.4	53
105	Synthesis, crystal structures, and luminescent properties of Cd(<scp>ii</scp>) coordination polymers assembled from asymmetric semi-rigid V-shaped multicarboxylate ligands. CrystEngComm, 2011, 13, 279-286.	1.3	53
106	Iron(III) Porphyrinâ€Based Porous Material as Photocatalyst for Highly Efficient and Selective Degradation of Congo Red. Macromolecular Chemistry and Physics, 2016, 217, 599-604.	1.1	53
107	Pentiptycene-Based Luminescent Cu (II) MOF Exhibiting Selective Gas Adsorption and Unprecedentedly High-Sensitivity Detection of Nitroaromatic Compounds (NACs). Scientific Reports, 2016, 6, 20672.	1.6	51
108	Three Hydrogen-Bonded Organic Frameworks with Water-Induced Single-Crystal-to-Single-Crystal Transformation and High Proton Conductivity. Crystal Growth and Design, 2020, 20, 3456-3465.	1.4	51

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109	Stimuli-responsive structural changes in metalâ€“organic frameworks. Chemical Communications, 2020, 56, 9416-9432.	2.2	50
110	Self-Assembly of a One-Dimensional Silver Complex Containing Two Kinds of Helical Chains. European Journal of Inorganic Chemistry, 2003, 2003, 38-41.	1.0	49
111	Fluorescence turn-on detection of uric acid by a water-stable metalâ€“organic nanotube with high selectivity and sensitivity. Journal of Materials Chemistry C, 2017, 5, 601-606.	2.7	48
112	Recent progress in pristine MOF-based catalysts for electrochemical hydrogen evolution, oxygen evolution and oxygen reduction. Dalton Transactions, 2021, 50, 5732-5753.	1.6	48
113	Hydrothermal Syntheses and Structural Characterizations of Polyoxometalate (Mo/W) Compounds Consisting of M-L Cations, (M = Mn, Co, Ni, Cu, Zn; L = 3-(2-Pyridyl)pyrazole). Crystal Growth and Design, 2009, 9, 4424-4428.	1.4	47
114	Covalent organic frameworks combined with graphene oxide to fabricate membranes for H2/CO2 separation. Separation and Purification Technology, 2019, 223, 10-16.	3.9	47
115	Scalable crystalline porous membranes: current state and perspectives. Chemical Society Reviews, 2021, 50, 1913-1944.	18.7	47
116	Porous bariumâ€“organic frameworks with highly efficient catalytic capacity and fluorescence sensing ability. Journal of Materials Chemistry A, 2015, 3, 21545-21552.	5.2	46
117	Molecular Pivotâ€Hinge Installation to Evolve Topology in Rareâ€Earth Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 16682-16690.	7.2	45
118	A Three-Dimensional Porous Metalâ^'Organic Framework Constructed from Two-Dimensional Sheets via Interdigitation Exhibiting Dynamic Features. Inorganic Chemistry, 2009, 48, 4616-4618.	1.9	44
119	Surface wettability switching of metal-organic framework mesh for oil-water separation. Materials Letters, 2017, 189, 82-85.	1.3	44
120	Cadmiumâ€“Organic Coordination Polymers Based on N-Donor Ligands and Small Anions: Syntheses, Crystal Structures, and Photoluminescent Properties. Crystal Growth and Design, 2012, 12, 5649-5654.	1.4	43
121	Construction of copper metalâ€“organic systems based on paddlewheel SBU through altering the substituent positions of new flexible carboxylate ligands. CrystEngComm, 2009, 11, 2516.	1.3	42
122	An Open Neodymiumâ^'Organic Framework with the NbO Structure Type Based on Binuclear SBU Involved In Situ Generated Formate. Crystal Growth and Design, 2010, 10, 1474-1477.	1.4	41
123	Synthesis and Characterization of a Series of Lanthanide Complexes Constructed from Orotic Acid. European Journal of Inorganic Chemistry, 2004, 2004, 2747-2753.	1.0	40
124	In-situ transformation into MoSe2/MoO3 heterogeneous nanostructures with enhanced electrochemical performance as anode material for sodium ion battery. Journal of Alloys and Compounds, 2018, 743, 410-418.	2.8	40
125	A Novel 3-D Self-Penetrating Topological Network Assembled by Mixed Bridging Ligands. European Journal of Inorganic Chemistry, 2004, 2004, 2228-2231.	1.0	39
126	A new luminescent 3D metalâ€“organic framework possessing a rare (3,5)-connected net which can be transformed from a 2D double layer. Dalton Transactions, 2009, , 763-766.	1.6	39

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127	Single-crystal-to-single-crystal transformation and proton conductivity of three hydrogen-bonded organic frameworks. Chemical Communications, 2020, 56, 15529-15532.	2.2	39
128	Atomically thin defect-rich Ni-Se-S hybrid nanosheets as hydrogen evolution reaction electrocatalysts. Nano Research, 2020, 13, 2056-2062.	5.8	39
129	Self-Assembly of Novel Silver Polymers Based on Flexible Sulfonate Ligands. European Journal of Inorganic Chemistry, 2004, 2004, 2144-2150.	1.0	38
130	1D zigzag chain vs. 1D helical chain: the role of the supramolecular interactions on the formation of chiral architecture. CrystEngComm, 2010, 12, 337-340.	1.3	38
131	Achieving a Rare Breathing Behavior in a Polycatenated 2â€‰D to 3â€‰D Net through a Pillarâ€Ligand Extension Strategy. Chemistry - A European Journal, 2014, 20, 649-652.	1.7	38
132	The lower rather than higher density charge carrier determines the NH₃-sensing nature and sensitivity of ambipolar organic semiconductors. Materials Chemistry Frontiers, 2018, 2, 1009-1016.	3.2	38
133	Two-dimensional cobalt metal-organic frameworks for efficient C3H6/CH4 and C3H8/CH4 hydrocarbon separation. Chinese Chemical Letters, 2018, 29, 865-868.	4.8	38
134	Balancing crystallinity and specific surface area of metal-organic framework derived nickel hydroxide for high-performance supercapacitor. Electrochimica Acta, 2018, 284, 202-210.	2.6	38
135	Three 3D Lanthanideâ€“Organic Frameworks Based on Novel Flexible Multicarboxylates: From ssa to rtl Topologies. Crystal Growth and Design, 2011, 11, 5670-5675.	1.4	37
136	Self-Assembly of 1D to 3D Cadmium Complexes: Structural Characterization and Properties. European Journal of Inorganic Chemistry, 2005, 2005, 3156-3166.	1.0	36
137	â€œHOTâ€•Alkaline Hydrolysis of Amorphous MOF Microspheres to Produce Ultrastable Bimetal Hydroxide Electrode with Boosted Cycling Stability. Small, 2019, 15, e1904663.	5.2	36
138	Cation-exchange construction of ZnSe/Sb₂Se₃ hollow microspheres coated by nitrogen-doped carbon with enhanced sodium ion storage capability. Nanoscale, 2020, 12, 17915-17924.	2.8	36
139	Defect-Rich Porous CoS_{1.097}/MoS₂ Hybrid Microspheres as Electrocatalysts for pH-Universal Hydrogen Evolution. ACS Applied Energy Materials, 2019, 2, 7504-7511.	2.5	35
140	A Stable Amino-Functionalized Interpenetrated Metalâ€“Organic Framework Exhibiting Gas Selectivity and Pore-Size-Dependent Catalytic Performance. Inorganic Chemistry, 2017, 56, 13634-13637.	1.9	34
141	[Zn2(H2O)3(2,2â€²-bipy)2(btc)][Zn(H2O)(2,2â€²-bipy)(btc)] Â·8H2O: a novel zincâ€“carboxylate complex consisting of independently cationic and anionic chains. Inorganic Chemistry Communication, 2003, 6, 908-911.	1.8	33
142	Five MOFs with different topologies based on anthracene functionalized tetracarboxylic acid: syntheses, structures, and properties. CrystEngComm, 2014, 16, 2917-2928.	1.3	33
143	Cyclodextrin-Based Metal-Organic Nanotube as Fluorescent Probe for Selective Turn-On Detection of Hydrogen Sulfide in Living Cells Based on H2S-Involved Coordination Mechanism. Scientific Reports, 2016, 6, 21951.	1.6	33
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