

# Daofeng Sun

## List of Publications by Citations

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ext. papers

17,217  
ext. citations

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#	Paper	IF	Citations
293	Metal-organic framework from an anthracene derivative containing nanoscopic cages exhibiting high methane uptake. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1012-6	16.4	756
292	An isorecticular series of metal-organic frameworks with dendritic hexacarboxylate ligands and exceptionally high gas-uptake capacity. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5357-61	16.4	622
291	Framework-catenation isomerism in metal-organic frameworks and its impact on hydrogen uptake. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1858-9	16.4	579
290	An interweaving MOF with high hydrogen uptake. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 3896-7	16.4	540
289	Syntheses and characterizations of three-dimensional channel-like polymeric lanthanide complexes constructed by 1,2,4,5-benzenetetracarboxylic acid. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 2087-94	5.1	456
288	A mesh-adjustable molecular sieve for general use in gas separation. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2458-62	16.4	339
287	Stabilization of metal-organic frameworks with high surface areas by the incorporation of mesocavities with microwindows. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9186-8	16.4	297
286	A mesoporous metal-organic framework with permanent porosity. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16474-5	16.4	295
285	A tubular europium-organic framework exhibiting selective sensing of Fe <sup>3+</sup> and Al <sup>3+</sup> over mixed metal ions. <i>Chemical Communications</i> , <b>2013</b> , 49, 11557-9	5.8	259
284	Recent advances and challenges of metal-organic framework membranes for gas separation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10073-10091	13	250
283	Metal-organic frameworks based luminescent materials for nitroaromatics sensing. <i>CrystEngComm</i> , <b>2016</b> , 18, 193-206	3.3	210
282	A metal-organic nanotube exhibiting reversible adsorption of (H <sub>2</sub> O) <sub>12</sub> cluster. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14064-5	16.4	192
281	Syntheses and characterizations of copper(II) polymeric complexes constructed from 1,2,4,5-benzenetetracarboxylic acid. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 6161-8	5.1	192
280	Controlled Hydrolysis of Metal-Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. <i>ACS Nano</i> , <b>2019</b> , 13, 7024-7030	16.7	190
279	Hydrothermal syntheses, structures and properties of terephthalate-bridged polymeric complexes with zig-zag chain and channel structures. <i>Dalton Transactions RSC</i> , <b>2001</b> , 2335-2340		175
278	Temperature-dependent supramolecular stereoisomerism in porous copper coordination networks based on a designed carboxylate ligand. <i>Chemical Communications</i> , <b>2005</b> , 5447-9	5.8	167
277	Syntheses and Characterizations of Zinc(II) Compounds Containing Three-Dimensional Interpenetrating Diamondoid Networks Constructed by Mixed Ligands. <i>Crystal Growth and Design</i> , <b>2004</b> , 4, 775-780	3.5	159

276	Lanthanide metal-organic frameworks containing a novel flexible ligand for luminescence sensing of small organic molecules and selective adsorption. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12777-12785	13.8	154
275	An unusual case of symmetry-preserving isomerism. <i>Chemical Communications</i> , <b>2010</b> , 46, 1329-31	5.8	153
274	Synthesis, characterization, and photoluminescence of isostructural Mn, Co, and Zn MOFs having a diamondoid structure with large tetrahedral cages and high thermal stability. <i>Chemical Communications</i> , <b>2005</b> , 2663-5	5.8	153
273	Construction of open metal-organic frameworks based on predesigned carboxylate isomers: from achiral to chiral nets. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 3768-76	4.8	148
272	Construction of robust open metal-organic frameworks with chiral channels and permanent porosity. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 2725-34	5.1	139
271	A multifunctional Eu MOF as a fluorescent pH sensor and exhibiting highly solvent-dependent adsorption and degradation of rhodamine B. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 24016-24021	13	138
270	Novel silver-containing supramolecular frameworks constructed by combination of coordination bonds and supramolecular interactions. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 7512-8	5.1	134
269	Optimizing Multivariate Metal-Organic Frameworks for Efficient CH <sub>4</sub> /CO Separation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8728-8737	16.4	129
268	Two Solvent-Dependent Zinc(II) Supramolecular Isomers: Rare kgd and Lonsdaleite Network Topologies Based on a Tripodal Flexible Ligand. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 5182-5187	3.5	128
267	Isomer separation, conformation control of flexible cyclohexanedicarboxylate ligand in cadmium complexes. <i>Chemical Communications</i> , <b>2004</b> , 2104-5	5.8	123
266	Syntheses, crystal structures and properties of two novel lanthanide-carboxylate polymeric complexes. <i>Dalton Transactions RSC</i> , <b>2002</b> , 1847-1851		122
265	Control over interpenetration in lanthanide-organic frameworks: synthetic strategy and gas-adsorption properties. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 7605-7	5.1	118
264	Recent progress in metal-organic framework-based supercapacitor electrode materials. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 420, 213438	23.2	118
263	Co(II) Metal-Organic Frameworks (MOFs) Assembled from Asymmetric Semirigid Multicarboxylate Ligands: Synthesis, Crystal Structures, and Magnetic Properties. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 5273-5282	3.5	115
262	Preparation and gas adsorption studies of three mesh-adjustable molecular sieves with a common structure. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6445-51	16.4	108
261	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5095-5099	16.4	103
260	Porous zirconium metal-organic framework constructed from 2D-3D interpenetration based on a 3,6-connected kgd net. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 7086-8	5.1	103
259	Construction of Metal-Organic Frameworks with 1D Chain, 2D Grid, and 3D Porous Framework Based on a Flexible Imidazole Ligand and Rigid Benzenedicarboxylates. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 895-902	3.5	103

258	Two nanocage anionic metal-organic frameworks with rht topology and $\{[M(H_2O)_6]_6\}(12+)$ charge aggregation for rapid and selective adsorption of cationic dyes. <i>Chemical Communications</i> , <b>2014</b> , 50, 14674-7	5.8	102
257	Metal-Organic Framework Derived Porous Hollow CoO/N-C Polyhedron Composite with Excellent Energy Storage Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10602-10609	9.5	101
256	Luminescent Terbium-Organic Framework Exhibiting Selective Sensing of Nitroaromatic Compounds (NACs). <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2589-2592	3.5	100
255	A yolk-shell Co <sub>9</sub> S <sub>8</sub> /MoS <sub>2</sub> @N nanocomposite derived from a metal-organic framework as a high performance anode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 4776-4782	13	100
254	Amino-functionalized MOFs with high physicochemical stability for efficient gas storage/separation, dye adsorption and catalytic performance. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24486-24495	13	100
253	Topology Exploration in Highly Connected Rare-Earth Metal-Organic Frameworks via Continuous Hindrance Control. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 6967-6975	16.4	96
252	Green Fabrication of Ultrathin CoO Nanosheets from Metal-Organic Framework for Robust High-Rate Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 41827-41836	9.5	95
251	A novel luminescent 3D polymer containing silver chains formed by ligand unsupported Ag-Ag interactions and organic spacers. <i>Dalton Transactions RSC</i> , <b>2002</b> , 291		95
250	An Isoreticular Series of Metal-Organic Frameworks with Dendritic Hexacarboxylate Ligands and Exceptionally High Gas-Uptake Capacity. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 5485-5489	3.6	91
249	Novel Metal-Organic Framework Based on Cubic and Trisectahedral Supermolecular Building Blocks: Topological Analysis and Photoluminescent Property. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2736-2739	3.5	90
248	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. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 10350-5	5.1	88
247	Dimerization of a metal complex through thermally induced single-crystal-to-single-crystal transformation or mechanochemical reaction. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7061-4	16.4	87
246	Stability and porosity enhancement through concurrent ligand extension and secondary building unit stabilization. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 7566-8	5.1	86
245	Syntheses and structures of two novel copper complexes constructed from unusual planar tetracopper(II) SBUs. <i>Chemical Communications</i> , <b>2003</b> , 1528	5.8	84
244	A multi-aromatic hydrocarbon unit induced hydrophobic metal-organic framework for efficient C <sub>2</sub> /C <sub>1</sub> hydrocarbon and oil/water separation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1168-1175	13	83
243	Supramolecular isomerism in honeycomb metal-organic frameworks driven by CH $\cdots$ O interactions: homochiral crystallization from an achiral ligand through chiral inducement. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8650-2	5.1	82
242	Syntheses and characterizations of a series of silver-carboxylate polymers. <i>Inorganica Chimica Acta</i> , <b>2004</b> , 357, 991-1001	2.7	82
241	Self-assembly of metal-organic supramolecules: from a metallamacrocycle and a metal-organic coordination cage to 1D or 2D coordination polymers based on flexible dicarboxylate ligands. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 4117-24	5.1	81

240	Metal-Organic Frameworks: Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization (Adv. Sci. 23/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970141	13.6	78
239	Porous metal-organic frameworks based on an anthracene derivative: syntheses, structure analysis, and hydrogen sorption studies. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 5263-8	5.1	77
238	Unprecedented Solvent-Dependent Sensitivities in Highly Efficient Detection of Metal Ions and Nitroaromatic Compounds by a Fluorescent Barium Metal-Organic Framework. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1782-7	5.1	76
237	Multifunctional lanthanide-organic frameworks for fluorescent sensing, gas separation and catalysis. <i>Dalton Transactions</i> , <b>2016</b> , 45, 3743-9	4.3	73
236	Diverse Ni(II) MOFs constructed from asymmetric semi-rigid V-shaped multicarboxylate ligands: structures and magnetic properties. <i>CrystEngComm</i> , <b>2010</b> , 12, 1096-1102	3.3	73
235	A novel Sm <sup>III</sup> polymeric complex formed via metal-mediated oxidation-hydrolysis of orotic acid in a hydrothermal reaction. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 815-818	3.1	73
234	Porous Lanthanide-Organic Frameworks: Control over Interpenetration, Gas Adsorption, and Catalyst Properties. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 3154-3161	3.5	71
233	Bimetallic-MOF Derived Accordion-like Ternary Composite for High-Performance Supercapacitors. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10953-10960	5.1	70
232	(10,3)-a Noninterpenetrated network built from a Piedfort ligand pair. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 1897-9	5.1	70
231	Interpenetrating polyhedral MOF with a primitive cubic network based on supermolecular building blocks constructed of a semirigid C <sub>3</sub> -symmetric carboxylate ligand. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 8057-9	5.1	69
230	Regulating C <sub>2</sub> H <sub>2</sub> and CO <sub>2</sub> Storage and Separation through Pore Environment Modification in a Microporous Ni-MOF. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2134-2140	8.3	69
229	Temperature controlled diffusion of hydroxide ions in 1D channels of Ni-MOF-74 for its complete conformal hydrolysis to hierarchical Ni(OH) supercapacitor electrodes. <i>Nanoscale</i> , <b>2019</b> , 11, 9598-9607	7.7	66
228	Fine-Tuning the Pore Environment of the Microporous Cu-MOF for High Propylene Storage and Efficient Separation of Light Hydrocarbons. <i>ACS Central Science</i> , <b>2019</b> , 5, 1261-1268	16.8	65
227	A lead-porphyrin metal-organic framework: gas adsorption properties and electrocatalytic activity for water oxidation. <i>Dalton Transactions</i> , <b>2016</b> , 45, 61-5	4.3	65
226	A MOF-derived coral-like NiSe@NC nanohybrid: an efficient electrocatalyst for the hydrogen evolution reaction at all pH values. <i>Nanoscale</i> , <b>2018</b> , 10, 22758-22765	7.7	65
225	TiO-Coated Interlayer-Expanded MoSe/Phosphorus-Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage. <i>Advanced Science</i> , <b>2019</b> , 6, 1801222	13.6	61
224	Selective selenization of mixed-linker Ni-MOFs: NiSe <sub>2</sub> @NC core-shell nano-octahedrons with tunable interfacial electronic structure for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 272, 118976	21.8	60
223	Isorecticular chemistry within metal-organic frameworks for gas storage and separation. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 443, 213968	23.2	59

222	In situ N-doped carbon modified (Co <sub>0.5</sub> Ni <sub>0.5</sub> ) <sub>9</sub> S <sub>8</sub> solid-solution hollow spheres as high-capacity anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 8268-8276	13	57
221	Pb(II) metal-organic nanotubes based on cyclodextrins: biphasic synthesis, structures and properties. <i>Chemical Science</i> , <b>2012</b> , 3, 2282	9.4	57
220	Three- and Eight-Fold Interpenetrated ThSi <sub>2</sub> Metal-Organic Frameworks Fine-Tuned by the Length of Ligand. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2902-2907	3.5	57
219	A NbO-type copper metal-organic framework decorated with carboxylate groups exhibiting highly selective CO <sub>2</sub> adsorption and separation of organic dyes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13844-13851	13	57
218	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. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10649-53	5.1	56
217	A porous metal-organic framework (MOF) with unusual 2D-3D polycatenation based on honeycomb layers. <i>Dalton Transactions</i> , <b>2012</b> , 41, 1928-30	4.3	54
216	A 3D porous metal-organic framework constructed of 1D zigzag and helical chains exhibiting selective anion exchange. <i>CrystEngComm</i> , <b>2010</b> , 12, 1041-1043	3.3	53
215	Polymorphism in high-crystalline-stability metal-organic nanotubes. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 4613-5.1	5.1	53
214	Two New Zeolite-Like Supramolecular Copper Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 94-98	2.3	53
213	Bright-yellow to orange-red thermochromic luminescence of an Ag <sub>16</sub> Zn <sub>12</sub> heterometallic aggregate. <i>Dalton Transactions</i> , <b>2013</b> , 42, 3528-32	4.3	52
212	Syntheses and characterizations of two novel Ln(III)/Cu(II) coordination polymers constructed by Pyridine-2,4-dicarboxylate ligand. <i>Inorganic Chemistry Communication</i> , <b>2002</b> , 5, 366-368	3.1	52
211	A Mesh-Adjustable Molecular Sieve for General Use in Gas Separation. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 2510-2514	3.6	51
210	Exposed Equatorial Positions of Metal Centers via Sequential Ligand Elimination and Installation in MOFs. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10814-10819	16.4	50
209	Highly efficient oil/water separation and trace organic contaminants removal based on superhydrophobic conjugated microporous polymer coated devices. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 640-646	14.7	50
208	Construction of Metal-Organic Frameworks with Novel {Zn <sub>8</sub> O <sub>13</sub> } SBU or Chiral Channels through in Situ Ligand Reaction. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 3324-3326	3.5	50
207	An Amino-Functionalized Metal-Organic Framework, Based on a Rare Ba (COO) (NO <sub>3</sub> ) Cluster, for Efficient C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> Separation and Preferential Catalytic Performance. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2137-2143	4.8	49
206	Self-Assembly of a One-Dimensional Silver Complex Containing Two Kinds of Helical Chains. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 38-41	2.3	49
205	Synthesis, crystal structures, and luminescent properties of Cd(II) coordination polymers assembled from asymmetric semi-rigid V-shaped multicarboxylate ligands. <i>CrystEngComm</i> , <b>2011</b> , 13, 279-286	3.3	48

204	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3840-3845	16.4	48
203	Efficient ORR electrocatalytic activity of peanut shell-based graphitic carbon microstructures. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12018-12028	13	48
202	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). <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 4424-4428	3.5	47
201	Pentipitycene-Based Luminescent Cu (II) MOF Exhibiting Selective Gas Adsorption and Unprecedentedly High-Sensitivity Detection of Nitroaromatic Compounds (NACs). <i>Scientific Reports</i> , <b>2016</b> , 6, 20672	4.9	46
200	Exploring the sandwich antibacterial membranes based on UiO-66/graphene oxide for forward osmosis performance. <i>Carbon</i> , <b>2019</b> , 144, 321-332	10.4	46
199	Cadmium Organic Coordination Polymers Based on N-Donor Ligands and Small Anions: Syntheses, Crystal Structures, and Photoluminescent Properties. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 5649-5654	3.5	43
198	Okra-Like Fe S /C@ZnS/N-C@C with Core-Double-Shelled Structures as Robust and High-Rate Sodium Anode. <i>Small</i> , <b>2020</b> , 16, e1907641	11	43
197	Dual-functional membrane decorated with flower-like metal-organic frameworks for highly efficient removal of insoluble emulsified oils and soluble dyes. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 408, 124444	12.8	43
196	A fluorine-functionalized microporous In-MOF with high physicochemical stability for light hydrocarbon storage and separation. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2445-2449	6.8	41
195	Efficient dye nanofiltration of a graphene oxide membrane via combination with a covalent organic framework by hot pressing. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24301-24310	13	41
194	An Open Neodymium Organic Framework with the NbO Structure Type Based on Binuclear SBU Involved In Situ Generated Formate. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 1474-1477	3.5	40
193	A three-dimensional porous metal-organic framework constructed from two-dimensional sheets via interdigitation exhibiting dynamic features. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 4616-8	5.1	40
192	Porous barium Organic frameworks with highly efficient catalytic capacity and fluorescence sensing ability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21545-21552	13	39
191	Construction of copper metal Organic systems based on paddlewheel SBU through altering the substituent positions of new flexible carboxylate ligands. <i>CrystEngComm</i> , <b>2009</b> , 11, 2516	3.3	39
190	A new luminescent 3D metal-organic framework possessing a rare (3,5)-connected net which can be transformed from a 2D double layer. <i>Dalton Transactions</i> , <b>2009</b> , 763-6	4.3	38
189	A Novel 3-D Self-Penetrating Topological Network Assembled by Mixed Bridging Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 2228-2231	2.3	38
188	A rare (3,12)-connected zirconium metal Organic framework with efficient iodine adsorption capacity and pH sensing. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13173-13179	13	37
187	Achieving a rare breathing behavior in a polycatenated 2D to 3D net through a pillar-ligand extension strategy. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 649-52	4.8	37

- 186 Three 3D Lanthanide-Organic Frameworks Based on Novel Flexible Multicarboxylates: From ssa to rtl Topologies. *Crystal Growth and Design*, **2011**, 11, 5670-5675 3.5 37
- 185 Self-Assembly of Novel Silver Polymers Based on Flexible Sulfonate Ligands. *European Journal of Inorganic Chemistry*, **2004**, 2004, 2144-2150 2.3 37
- 184 Synthesis and Characterization of a Series of Lanthanide Complexes Constructed from Orotic Acid. *European Journal of Inorganic Chemistry*, **2004**, 2004, 2747-2753 2.3 37
- 183 Self-Assembly of 1D to 3D Cadmium Complexes: Structural Characterization and Properties. *European Journal of Inorganic Chemistry*, **2005**, 2005, 3156-3166 2.3 36
- 182 Fluorescence turn-on detection of uric acid by a water-stable metal-organic nanotube with high selectivity and sensitivity. *Journal of Materials Chemistry C*, **2017**, 5, 601-606 7.1 35
- 181 Cooperative Sieving and Functionalization of Zr Metal-Organic Frameworks through Insertion and Post-Modification of Auxiliary Linkers. *ACS Applied Materials & Interfaces*, **2019**, 11, 22390-22397 9.5 35
- 180 1D zigzag chain vs. 1D helical chain: the role of the supramolecular interactions on the formation of chiral architecture. *CrystEngComm*, **2010**, 12, 337-340 3.3 35
- 179 An ultrafast responsive NO gas sensor based on a hydrogen-bonded organic framework material. *Chemical Communications*, **2020**, 56, 703-706 5.8 35
- 178 Iron(III) Porphyrin-Based Porous Material as Photocatalyst for Highly Efficient and Selective Degradation of Congo Red. *Macromolecular Chemistry and Physics*, **2016**, 217, 599-604 2.6 34
- 177 Five MOFs with different topologies based on anthracene functionalized tetracarboxylic acid: syntheses, structures, and properties. *CrystEngComm*, **2014**, 16, 2917-2928 3.3 33
- 176 [Zn<sub>2</sub>(H<sub>2</sub>O)<sub>3</sub>(2,2'-bipy)<sub>2</sub>(btc)][Zn(H<sub>2</sub>O)(2,2'-bipy)(btc)] · 2H<sub>2</sub>O: a novel zinc-carboxylate complex consisting of independently cationic and anionic chains. *Inorganic Chemistry Communication*, **2003**, 6, 908-911 3.1 33
- 175 Surface wettability switching of metal-organic framework mesh for oil-water separation. *Materials Letters*, **2017**, 189, 82-85 3.3 32
- 174 The lower rather than higher density charge carrier determines the NH<sub>3</sub>-sensing nature and sensitivity of ambipolar organic semiconductors. *Materials Chemistry Frontiers*, **2018**, 2, 1009-1016 7.8 32
- 173 Crystal Structure Diversities Based on 4,4'-(2,3,6,7-Tetramethoxyanthracene-9,10-diyl)dibenzoic Acid: From 2D Layer to 3D Net Framework. *Crystal Growth and Design*, **2012**, 12, 6215-6222 3.5 30
- 172 Solvent-controlled Cd(II) metal-organic frameworks constructed from a tetrapodal silicon-based linker. *RSC Advances*, **2012**, 2, 5543 3.7 30
- 171 Luminescent zinc and cadmium metal-organic frameworks based on tetrazole ligands. *Polyhedron*, **2010**, 29, 296-302 2.7 30
- 170 Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2019**, 58, 16682-16690 16.4 29
- 169 In-situ transformation into MoSe<sub>2</sub>/MoO<sub>3</sub> heterogeneous nanostructures with enhanced electrochemical performance as anode material for sodium ion battery. *Journal of Alloys and Compounds*, **2018**, 743, 410-418 5.7 29



168	Balancing crystallinity and specific surface area of metal-organic framework derived nickel hydroxide for high-performance supercapacitor. <i>Electrochimica Acta</i> , <b>2018</b> , 284, 202-210	6.7	29
167	A novel 3D structure of Ag-1,4-cyclohexanedicarboxylate coordination framework. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 1426-1428	3.1	29
166	Covalent organic frameworks combined with graphene oxide to fabricate membranes for H <sub>2</sub> /CO <sub>2</sub> separation. <i>Separation and Purification Technology</i> , <b>2019</b> , 223, 10-16	8.3	28
165	Highly efficient CoMoS heterostructure derived from vertically anchored Co <sub>5</sub> Mo <sub>10</sub> polyoxometalate for electrocatalytic overall water splitting. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124849	14.7	28
164	Syntheses, structures and characteristics of four metal-organic coordination polymers based on 5-hydroxyisophthalic acid and N-containing auxiliary ligands. <i>CrystEngComm</i> , <b>2013</b> , 15, 9578	3.3	28
163	Hydrothermal synthesis and structural characterization of a novel gadolinium(III) coordination polymer [Gd(Hdtpc)(OH)(H <sub>2</sub> O)] <sub>n</sub> . <i>Inorganic Chemistry Communication</i> , <b>2002</b> , 5, 589-591	3.1	28
162	Two-dimensional cobalt metal-organic frameworks for efficient C <sub>3</sub> H <sub>6</sub> /CH <sub>4</sub> and C <sub>3</sub> H <sub>8</sub> /CH <sub>4</sub> hydrocarbon separation. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 865-868	8.1	27
161	Synthesis of two triarylboron-functionalized metal-organic frameworks: in situ decarboxylic reaction, structure, photoluminescence, and gas adsorption properties. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 11206-12	5.1	27
160	Reaction-condition-controlled formation of secondary-building-units in three cadmium metal-organic frameworks with an orthogonal tetrakis(tetrazolate) ligand. <i>Journal of Molecular Structure</i> , <b>2008</b> , 890, 163-169	3.4	27
159	Four novel porous frameworks constructed by formate ligand. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 91, 215-220	5.3	27
158	Cyclodextrin-Based Metal-Organic Nanotube as Fluorescent Probe for Selective Turn-On Detection of Hydrogen Sulfide in Living Cells Based on H <sub>2</sub> S-Involved Coordination Mechanism. <i>Scientific Reports</i> , <b>2016</b> , 6, 21951	4.9	25
157	"HOT" Alkaline Hydrolysis of Amorphous MOF Microspheres to Produce Ultrastable Bimetal Hydroxide Electrode with Boosted Cycling Stability. <i>Small</i> , <b>2019</b> , 15, e1904663	11	25
156	Investigation of the effect of pore size on gas uptake in two metal-organic frameworks. <i>Chemical Communications</i> , <b>2014</b> , 50, 4911-4	5.8	25
155	A three-dimensional zinc(II) complex consisting of single metal centers and pentanuclear clusters bridged by 1,3,5-benzenetricarboxylate. <i>Journal of Molecular Structure</i> , <b>2004</b> , 694, 205-210	3.4	25
154	Effect of Functional Groups on the Adsorption of Light Hydrocarbons in fmj-type Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 832-838	3.5	25
153	A non-interpenetrating lead-organic framework with large channels based on 1D tube-shaped SBUs. <i>Chemical Communications</i> , <b>2017</b> , 53, 5694-5697	5.8	24
152	Stepwise Synthesis of Diverse Isomer MOFs via Metal-Ion Metathesis in a Controlled Single-Crystal-to-Single-Crystal Transformation. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 4084-4089	3.5	24
151	A Zn Metal-Organic Framework with High Stability and Sorption Selectivity for CO <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10587-92	5.1	24

150	Atomically thin defect-rich Ni-Se-S hybrid nanosheets as hydrogen evolution reaction electrocatalysts. <i>Nano Research</i> , <b>2020</b> , 13, 2056-2062	10	24
149	Three Hydrogen-Bonded Organic Frameworks with Water-Induced Single-Crystal-to-Single-Crystal Transformation and High Proton Conductivity. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 3456-3465	3.5	24
148	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11350-11358	16.4	24
147	Solvent-induced terbium metal-organic frameworks for highly selective detection of manganese(ii) ions. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2569-2573	4.3	23
146	Three novel 3D metal-organic frameworks with a 1D ladder, tube or chain as assembly units. <i>CrystEngComm</i> , <b>2008</b> , 10, 1429	3.3	23
145	Accurately Regulating the Electronic Structure of Ni Se @NC Core-Shell Nanohybrids through Controllable Selenization of a Ni-MOF for pH-Universal Hydrogen Evolution Reaction. <i>Small</i> , <b>2020</b> , 16, e2004231	11	23
144	A Stable Amino-Functionalized Interpenetrated Metal-Organic Framework Exhibiting Gas Selectivity and Pore-Size-Dependent Catalytic Performance. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13634-13637	5.1	22
143	Crystal structures, topologies and luminescent properties of three Zn(II)/Cd(II) coordination networks based on naphthalene-2,6-dicarboxylic acid and different bis(imidazole) linkers. <i>RSC Advances</i> , <b>2015</b> , 5, 16190-16198	3.7	22
142	Enhancing light hydrocarbon storage and separation through introducing Lewis basic nitrogen sites within a carboxylate-decorated copper-organic framework. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1146-1154	7.8	22
141	Unveiling the thermolysis natures of ZIF-8 and ZIF-67 by employing in situ structural characterization studies. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 17571-17577	3.6	22
140	A "strongly" self-catenated metal-organic framework with the highest topological density among 3,4-coordinated nets. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 10732-4	5.1	22
139	Stepwise construction of a Ag(I) <sub>9</sub> -Cu(II) <sub>4</sub> heterometallic cluster incorporating two unusual vertex-shared trigonal-bipyramidal silver polyhedra. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1558-61	4.5	22
138	Tuning the Dimensionality of Interpenetration in a Pair of Framework-Catenation Isomers To Achieve Selective Adsorption of CO <sub>2</sub> and Fluorescent Sensing of Metal Ions. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6084-6	5.1	21
137	Optimizing crystallinity and porosity of hierarchical Ni(OH) <sub>2</sub> through conformal transformation of metal-organic framework template for supercapacitor applications. <i>CrystEngComm</i> , <b>2018</b> , 20, 4313-4320	3.3	21
136	Synthesis, structure, and properties of a 3D porous Zn(II) MOF constructed from a terpyridine-based ligand. <i>RSC Advances</i> , <b>2016</b> , 6, 16575-16580	3.7	20
135	Conversion of MOF into carbon-coated NiSe <sub>2</sub> yolk-shell microspheres as advanced battery-type electrodes. <i>Electrochimica Acta</i> , <b>2020</b> , 357, 136866	6.7	20
134	Fluorescent selectivity for small molecules of three Zn-MOFs with different topologies based on a tetracarboxylate ligand. <i>RSC Advances</i> , <b>2015</b> , 5, 62982-62988	3.7	19
133	SnS@C nanospheres coated with few-layer MoS <sub>2</sub> nanosheets and nitrogen, phosphorus-codoped carbon as robust sodium ion battery anodes. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1212-1221	7.8	19

132	Solvent-induced framework-interpenetration isomers of Cu MOFs for efficient light hydrocarbon separation. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2408-2412	6.8	19
131	Syntheses and crystal structures of three novel coordination polymers: $[M_2(\text{bpy})(\text{btc})(\text{OH})]_n$ ( $M=\text{Ni,Co}$ ) and $\{[\text{Co}_{1.5}(\text{bpy})(\text{btc})][(\text{H}_2\text{O})_2]_n$ ( $\text{bpy}=2,2'$ -bipyridine, $\text{btc}=1,3,5$ -benzenetricarboxylate). <i>Journal of Molecular Structure</i> , <b>2003</b> , 657, 301-309	3.4	19
130	A multifunctional Zr-MOF for the rapid removal of $\text{Cr}_2\text{O}_7^{2-}$ efficient gas adsorption/separation, and catalytic performance. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1150-1157	7.8	19
129	In situ confinement of free linkers within a stable MOF membrane for highly improved gas separation properties. <i>CrystEngComm</i> , <b>2017</b> , 19, 1601-1606	3.3	18
128	Crystal structures, topological analysis and luminescence properties of three coordination polymers based on a semi-rigid ligand and N-donor ligand linkers. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 5957-5965	3.6	18
127	Mixed Matrix Membranes Based on Metal-Organic Frameworks with Tunable Pore Size for $\text{CO}_2$ Separation. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 4365-4371	3.5	18
126	Linker extension through hard-soft selective metal coordination for the construction of a non-rigid metal-organic framework. <i>Science China Chemistry</i> , <b>2013</b> , 56, 418-422	7.9	18
125	Solvothermal synthesis, crystal structure and photoluminescence properties of four Cd(II) coordination polymers with different topological structures. <i>RSC Advances</i> , <b>2014</b> , 4, 53608-53616	3.7	18
124	Cation-exchange construction of ZnSe/SbSe hollow microspheres coated by nitrogen-doped carbon with enhanced sodium ion storage capability. <i>Nanoscale</i> , <b>2020</b> , 12, 17915-17924	7.7	18
123	Self-assembly of MOF on MXene nanosheets and in-situ conversion into superior nickel phosphates/MXene battery-type electrode. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 130602	14.7	18
122	A visual test paper based on Pb(II) metal-organic nanotubes utilized as a $\text{H}_2\text{S}$ sensor with high selectivity and sensitivity. <i>Analytical Methods</i> , <b>2017</b> , 9, 3094-3098	3.2	17
121	Stimuli-responsive structural changes in metal-organic frameworks. <i>Chemical Communications</i> , <b>2020</b> , 56, 9416-9432	5.8	17
120	A 2D porous pentiptycene-based MOF for efficient detection of $\text{Ba}^{2+}$ and selective adsorption of dyes from water. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1314-1320	6.8	17
119	Synthesis, crystal structures and properties of three metal-organic supramolecular architectures based on mixed organic ligands. <i>CrystEngComm</i> , <b>2008</b> , 10, 1480	3.3	17
118	Design and syntheses of two novel supermolecular frameworks through weak interactions. <i>Journal of Molecular Structure</i> , <b>2005</b> , 738, 51-57	3.4	17
117	Tetrazole-Functionalized Zirconium Metal-Organic Cages for Efficient $\text{C}_2\text{H}_2/\text{C}_2\text{H}_4$ and $\text{C}_2\text{H}_2/\text{CO}$ Separations. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17338-17343	16.4	17
116	N,P-Doped carbon with encapsulated Co nanoparticles as efficient electrocatalysts for oxygen reduction reactions. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2352-2358	4.3	16
115	Cross-Linking between Sodalite Nanoparticles and Graphene Oxide in Composite Membranes to Trigger High Gas Permeance, Selectivity, and Stability in Hydrogen Separation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6284-6288	16.4	16

- 114 Reaction vessel- and concentration-induced supramolecular isomerism in layered lanthanide-organic frameworks. *CrystEngComm*, **2011**, 13, 6968 3.3 16
- 113 Self-Assembly of A Novel Sulphonate Silver(I) Complex. *Chemistry Letters*, **2002**, 31, 198-199 1.7 16
- 112 A novel coordination polymer containing puckered rhombus grids. *Dalton Transactions RSC*, **2002**, 1354-1357 16
- 111 Accurate tuning of rare earth metal-organic frameworks with unprecedented topology for white-light emission. *Journal of Materials Chemistry C*, **2020**, 8, 1374-1379 7.1 16
- 110 Metal-organic framework derived porous hollow ternary sulfide as robust anode material for sodium ion batteries. *Materials Today Energy*, **2019**, 12, 53-61 7 16
- 109 Defect-Rich Porous CoS<sub>1.097</sub>/MoS<sub>2</sub> Hybrid Microspheres as Electrocatalysts for pH-Universal Hydrogen Evolution. *ACS Applied Energy Materials*, **2019**, 2, 7504-7511 6.1 15
- 108 N-doped hollow carbon nanospheres as platinum anchoring material for efficient hydrogen evolution. *Applied Surface Science*, **2018**, 459, 453-458 6.7 15
- 107 Monitoring thermally induced structural deformation and framework decomposition of ZIF-8 through in situ temperature dependent measurements. *Physical Chemistry Chemical Physics*, **2017**, 19, 27178-27183 3.6 15
- 106 C(3i)-symmetric octanuclear cadmium cages: double-anion-templated synthesis, formation mechanism, and properties. *Chemistry - A European Journal*, **2012**, 18, 16525-30 4.8 15
- 105 The effect of the conformation of flexible carboxylate ligands on the structures of metal-organic supramolecules. *New Journal of Chemistry*, **2010**, 34, 2496 3.6 15
- 104 A Stable Interpenetrated Zn-MOF with Efficient Light Hydrocarbon Adsorption/Separation Performance. *Crystal Growth and Design*, **2020**, 20, 5670-5675 3.5 15
- 103 Zn<sub>x</sub>Se<sub>1-x</sub>/N-C (x = 0.24) hierarchical nanosphere with improved energy storage capability as sodium-ion battery anode. *Journal of Alloys and Compounds*, **2019**, 771, 147-155 5.7 15
- 102 Guest-tuned proton conductivity of a porphyrinylphosphonate-based hydrogen-bonded organic framework. *Journal of Materials Chemistry A*, **2021**, 9, 2683-2688 13 15
- 101 Pore-Environment Engineering in Multifunctional Metal-Organic Frameworks. *Chinese Journal of Chemistry*, **2020**, 38, 509-524 4.9 14
- 100 In situ generation of intercalated membranes for efficient gas separation. *Communications Chemistry*, **2018**, 1, 6.3 14
- 99 Anion-controlled formation of two silver lamella frameworks based on in situ ligand reaction. *CrystEngComm*, **2013**, 15, 8877 3.3 14
- 98 Two novel isostructural Ln (III) 3D frameworks supported by 3,6-dibromobenzene-1,2,4,5-tetracarboxylic acid and in situ generated oxalate: Syntheses, characterization and photoluminescent property. *Inorganic Chemistry Communication*, **2012**, 26, 51-55 3.1 14
- 97 Dimerization of a Metal Complex through Thermally Induced Single-Crystal-to-Single-Crystal Transformation or Mechanochemical Reaction. *Angewandte Chemie*, **2011**, 123, 7199-7202 3.6 14

- 96 Two novel isomeric organic anion-water aggregations: 1D tape and 3D 2-fold interpenetrated diamond network. *RSC Advances*, **2011**, 1, 1682 3.7 14
- 95 A novel interpenetrating nickel polymer with mixed ligand containing 1D chain and 2D bilayer motifs constructed by 4,4'-bipy. *Inorganic Chemistry Communication*, **2004**, 7, 683-686 3.1 14
- 94 A Novel Lanthanide-Transition Metal Complex Constructed by Orotic Acid. *Chemistry Letters*, **2001**, 30, 878-879 1.7 14
- 93 A novel trinuclear cobalt complex comprising moieties derived from single and double C-B bond cleavage of diethyldithiocarbamate. *Dalton Transactions RSC*, **2001**, 2961-2962 14
- 92 Recent progress in pristine MOF-based catalysts for electrochemical hydrogen evolution, oxygen evolution and oxygen reduction. *Dalton Transactions*, **2021**, 50, 5732-5753 4.3 14
- 91 Engineering the pore environment of metal-organic framework membranes via modification of the secondary building unit for improved gas separation. *Journal of Materials Chemistry A*, **2020**, 8, 13132-13141 4.1 13
- 90 Fe/N-doped carbon nanofibers with Fe<sub>3</sub>O<sub>4</sub>/Fe<sub>2</sub>C nanocrystals enmeshed as electrocatalysts for efficient oxygen reduction reaction. *Inorganic Chemistry Frontiers*, **2019**, 6, 2296-2303 6.8 13
- 89 Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization. *Advanced Science*, **2019**, 6, 1901855 13.6 13
- 88 Synthesis, crystal structures and properties of four topological structures based on 2,3,5,6-tetramethyl-1,4-benzenedicarboxylate acid and bipyridine ligands. *CrystEngComm*, **2011**, 13, 1509-1517 3.3 13
- 87 Chain structure of {[Ag(bpy)]NO<sub>3</sub>}<sub>n</sub> (bpy = 4,4'-bipyridine). *Acta Crystallographica Section E: Structure Reports Online*, **2002**, 58, m324-m325 13
- 86 Scalable crystalline porous membranes: current state and perspectives. *Chemical Society Reviews*, **2021**, 50, 1913-1944 58.5 13
- 85 Solvent modulated assembly of two Zn metal-organic frameworks: syntheses, luminescence, and gas adsorption properties. *CrystEngComm*, **2015**, 17, 6591-6597 3.3 12
- 84 Single-crystal-to-single-crystal transformation and proton conductivity of three hydrogen-bonded organic frameworks. *Chemical Communications*, **2020**, 56, 15529-15532 5.8 12
- 83 A new Cu(I) coordination polymer with the CdSO<sub>4</sub> structure type prepared via biphasic solvothermal reaction. *CrystEngComm*, **2010**, 12, 2018 3.3 12
- 82 Self-assembly of 2D zinc metal-organic frameworks based on mixed organic ligands. *Inorganica Chimica Acta*, **2009**, 362, 3987-3992 2.7 12
- 81 Preparation, Crystal Structure, and Properties of Five Metal-Organic Complexes Based on a Triangular Nonplanar Carboxylate Ligand. *European Journal of Inorganic Chemistry*, **2010**, 2010, 4822-4830 2.3 12
- 80 Template-directed synthesis of Co<sub>2</sub>P/MoSe<sub>2</sub> in a N-doped carbon hollow structure for efficient and stable sodium/potassium ion storage. *Nano Energy*, **2022**, 93, 106897 17.1 12
- 79 Fabrication of (4, 10) and (4, 12)-Connected Multifunctional Zirconium Metal-Organic Frameworks for the Targeted Adsorption of a Guest Molecule. *Inorganic Chemistry*, **2020**, 59, 695-704 5.1 12

78	A new approach to construct a hydrodesulfurization catalyst from a crystalline precursor: ligand-induced self-assembly, sulfidation and hydrodesulfurization. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 6330-6345	5.5	12
77	An Integrated Chemiluminescence Microreactor for Ultrastrong and Long-Lasting Light Emission. <i>Advanced Science</i> , <b>2020</b> , 7, 2000065	13.6	11
76	Syntheses, Crystal Structures, and Properties of Two 2-Fold Interpenetrating Metal-Organic Frameworks Based on a Trigonal Rigid Ligand. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 6521-6527	3.5	11
75	Self-assembly of a novel metal-organic coordination cage (MOCC) based on a new flexible dicarboxylate ligand: synthesis, crystal structure and magnetic property. <i>CrystEngComm</i> , <b>2009</b> , 11, 47-49	3.3	11
74	Rational Design and Synthesis of Hexanuclear Rare Earth the-a Metal-Organic Frameworks Platform Based on RE <sub>6</sub> O <sub>4</sub> (OH) <sub>4</sub> (COO) <sub>8</sub> Clusters. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 1509-1513	3.5	11
73	Syntheses, Crystal Structures, and Properties of Four Metal-Organic Complexes Based on 1,4,5,6,7,7-Hexachlorobicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic Acid. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 4198-4205	3.5	10
72	Syntheses, structures and characteristics of four alkaline-earth metal-organic frameworks (MOFs) based on benzene-1,2,4,5-tetracarboxylic acid and its derivative ligand. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1130, 565-572	3.4	10
71	Metal-Ion Metathesis and Properties of Triarylboron-Functionalized Metal-Organic Frameworks. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1535-40	4.5	10
70	Conformation variation of tris(2-carboxyethyl)isocyanuric acid induced by cocrystallized N-heterocyclic organic molecules. <i>CrystEngComm</i> , <b>2012</b> , 14, 1376-1381	3.3	10
69	Spray-dispersion of ultra-small EMT zeolite crystals in thin-film composite membrane for high-permeability nanofiltration process. <i>Journal of Membrane Science</i> , <b>2021</b> , 622, 119045	9.6	10
68	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3868-3873	3.6	9
67	N-doped carbon matrix supported Fe <sub>3</sub> Ni <sub>6</sub> S <sub>8</sub> hierarchical architecture with excellent sodium storage capability and electrocatalytic properties. <i>Electrochimica Acta</i> , <b>2019</b> , 325, 134925	6.7	9
66	Stereoselective Synthesis of Pillar[4]arene[1]cis-diepoxy-p-dione and X-Ray Crystal Structure of Host-Guest System. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2354-2358	4.5	9
65	Synthesis, characterization and NLO properties of a new 3D coordination polymer assembled from p-aminobenzoic acid. <i>Solid State Sciences</i> , <b>2009</b> , 11, 1040-1043	3.4	9
64	Micelles of Mesoporous Silica with Inserted Iron Complexes as a Platform for Constructing Efficient Electrocatalysts for Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54720-54731	9.5	9
63	Ligand controlled structure of cadmium(II) metal-organic frameworks for fluorescence sensing of Fe <sup>3+</sup> ion and nitroaromatic compounds. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 801-805	8.1	9
62	Efficient platinum harvesting of MOF-derived N-doped carbon through cathodic cyclic voltammetry for hydrogen evolution. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 173-181	6.7	8
61	Effective Binding of Neutral Dinitriles by Pillar[4]arene[1]quinone both in Solution and in Solid State. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11-14	1.8	8

60	Facile Synthesis of Dicelike Cobalt Squarate Cages through a Spontaneous Dissolution/Regrowth Process. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6765-6771	9.6	8
59	Sequential Solid-State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 22372-22377	16.4	8
58	Green synthesis of hierarchical carbon coupled with Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> C as an efficient catalyst for the oxygen reduction reaction. <i>Materials Advances</i> , <b>2020</b> , 1, 2010-2018	3.3	8
57	Surface wettability switching of a zeolitic imidazolate framework mesh via surface ligand exchange for oil-water separation. <i>Materials Research Bulletin</i> , <b>2019</b> , 111, 301-305	5.1	8
56	Transition metal coordination polymers based on tetrabromoterephthalic and bis(imidazole) ligands: Syntheses, structures, topological analysis and photoluminescence properties. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 229, 49-61	3.3	7
55	Sandwich membranes through a two-dimensional confinement strategy for gas separation. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1911-1919	7.8	7
54	Two birds with one stone: Self-assembly of metal-organic coordination complexes with discrete metallamacrocyclic and 1D zigzag chain based on a flexible dicarboxylate ligand. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 28, 75-80	3.1	7
53	A Novel Open-Framework Gallium Phosphate Containing Two Different Building Units. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 1303-1305	2.3	6
52	Embedding anion-doped Fe <sub>7</sub> S <sub>8</sub> in N-doped carbon matrix and shell for fast and stable sodium storage. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 264, 124456	4.4	6
51	Embedding ZnS in N-doped-carbon frameworks decorated with Co <sub>4</sub> S <sub>3</sub> nanoparticles for efficient sodium storage. <i>Applied Surface Science</i> , <b>2021</b> , 552, 149494	6.7	6
50	Comparison of two water oxidation electrocatalysts by copper or zinc supermolecule complexes based on porphyrin ligand. <i>RSC Advances</i> , <b>2018</b> , 8, 40054-40059	3.7	6
49	Fabrication of Graphene oxide membrane with multiple plug-ins for efficient dye nanofiltration. <i>Separation and Purification Technology</i> , <b>2022</b> , 278, 119504	8.3	6
48	Tailored template engineering of MoSe <sub>2</sub> /N,P-doped carbon nanospheres with sandwiched carbon and few-layered MoSe <sub>2</sub> shells for stable and high-rate storage of Na <sup>+</sup> /K <sup>+</sup> ions. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 17780-17789	13	6
47	Mild Synthesis of Pillar[4]arene[1]cis-diepoxy-p-dione and Guest-Assisted Formation of a 2D Network in the Solid State. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 6629-6632	3.2	5
46	Solution-processable (Pc?)Eu(Pc?)Eu[TP(OH)PP]/rGO bilayer heterojunction organic transistors with exceptional excellent ambipolar performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 12437-12446	2.1	5
45	High-selectivity Detection of 2,4,6-Trinitrophenol Based on Fluorescent Mg-MOF-74 in Ethanol Solution. <i>Chemical Research in Chinese Universities</i> , <b>2018</b> , 34, 175-179	2.2	5
44	Four novel Co(II) metal-organic frameworks based on semi-rigid ligand and their secondary building units transformation. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1197, 87-95	3.4	5
43	Templated synthesis of a layered erbium-organic framework based on 4,6-dimethyl-5-nitrosophthalic acid (H <sub>2</sub> dna). <i>Inorganic Chemistry Communication</i> , <b>2011</b> , 14, 948-951	3.1	5

- 42 Orotato(1,10-phenanthroline)copper(II). *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, m228-m229 5
- 41 catena-Poly[[silver(I)- $\mu$ -1,2-bis(4-pyridyl)ethane- $\mu$ -N:N?] trifluoromethanesulfonate]. *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, m416-m418 5
- 40 micro-Terephthalato-bis[bis(1,10-phenanthroline)copper(I)] diperchlorate. *Acta Crystallographica Section C: Crystal Structure Communications*, **2000**, 56, E240-1 5
- 39 Activity boosting of a metal-organic framework by Fe-Doping for electrocatalytic hydrogen evolution and oxygen evolution. *Journal of Solid State Chemistry*, **2020**, 292, 121696 3.3 5
- 38 Optimizing Fe-Based Metal-Organic Frameworks through Ligand Conformation Regulation for Efficient Dye Adsorption and CH<sub>4</sub>/CO Separation. *Chemistry - A European Journal*, **2021**, 27, 10693-10699 4.8 5
- 37 Synthesis, structure, and magnetism of three manganese-organic framework with PtS topology. *Science China Chemistry*, **2014**, 57, 1507-1513 7.9 4
- 36 catena-Poly[[aqua(phenanthroline)zinc(II)]- $\mu$ -cyclohexanedicarboxylato]. *Acta Crystallographica Section E: Structure Reports Online*, **2004**, 60, m711-m712 4
- 35 Yolk-shell ZnS@NC@MoS<sub>2</sub> nanoboxes with enhanced sodium storage capability. *Applied Surface Science*, **2022**, 574, 151715 6.7 4
- 34 Optimizing zirconium metal-organic frameworks through steric tuning for efficient removal of CrO<sub>3</sub>. *Chemical Communications*, **2020**, 56, 10513-10516 5.8 4
- 33 Interfacial polymerization of MOF monomers to fabricate flexible and thin membranes for molecular separation with ultrafast water transport. *Journal of Materials Chemistry A*, **2021**, 9, 17528-17537 1.3 4
- 32 Metal-organic framework templated Pd/CeO<sub>2</sub>@N-doped carbon for low-temperature CO oxidation. *Nanoscale Advances*, **2020**, 2, 755-762 5.1 3
- 31 A new photoluminescent supramolecular inorganic-organic hybrid zincophosphate complex pillared by carboxylate ligand through hydrogen bonding interactions. *Crystal Research and Technology*, **2009**, 44, 331-335 1.3 3
- 30 Triaqua(1,10-phenanthroline)sulfatocadmium(II). *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, m230-m231 3
- 29 Conversion of Amorphous MOF Microspheres into a Nickel Phosphate Battery-Type Electrode Using the "Anticollapse" Two-Step Strategy. *Inorganic Chemistry*, **2021**, 60, 17094-17102 5.1 3
- 28 Tunable Electrochemical Activity of P2-NaMnNiOF Microspheres as High-Rate Cathodes for High-Performance Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 15333-15343 9.5 3
- 27 An anionic potassium-organic framework for selective removal of uranyl ions. *Dalton Transactions*, **2021**, 50, 8314-8321 4.3 3
- 26 Recent advances in metal-organic frameworks for gas adsorption/separation. *Nanoscale Advances*, 5.1 3
- 25 Hydrothermal syntheses and structural characterizations of three polyoxomolybdates frameworks linked by M(HL)<sub>2</sub> units (M = Co, Ni, Zn; L = 3-(2-pyridyl)pyrazole). *Science China Chemistry*, **2010**, 53, 2285-2290 7.9 2



24	Enabling kinetically fast activation of carbon nanotube@nickel selenide through pore-phase dual regulation in aqueous zinc battery. <i>Science China Materials</i> , 1	7.1	2
23	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 11451-11459	3.6	2
22	Tetrazole-Functionalized Zirconium Metal-Organic Cages for Efficient C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> and C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separations. <i>Angewandte Chemie</i> , 2021, 133, 17478-17483	3.6	2
21	Intrinsic volumetric negative thermal expansion in the "rigid" calcium squarate. <i>Chemical Communications</i> , 2021, 57, 9382-9385	5.8	2
20	Argentophilicity induced anomalous thermal expansion behavior in a 2D silver squarate. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1567-1573	6.8	2
19	Facile synthesis of an antimony-doped Cu/Cu <sub>2</sub> O catalyst with robust CO production in a broad range of potentials for CO <sub>2</sub> electrochemical reduction. <i>Journal of Materials Chemistry A</i> ,	13	2
18	Regulating the Orientation of Hydrogen-Bonded Organic Framework Membranes Based on Substrate Modification. <i>Crystal Growth and Design</i> , 2021, 21, 5292-5299	3.5	2
17	Cross-Linking between Sodalite Nanoparticles and Graphene Oxide in Composite Membranes to Trigger High Gas Permeance, Selectivity, and Stability in Hydrogen Separation. <i>Angewandte Chemie</i> , 2020, 132, 6343-6347	3.6	2
16	Few-Layered MoSe <sub>2</sub> Nanosheets Confined in N,P-Doped Carbon Polyhedra for Sodium/Potassium-Ion Storage. <i>ACS Applied Nano Materials</i> , 2022, 5, 497-507	5.6	2
15	Single-Atom-like B-N Sites in Ordered Macroporous Carbon for Efficient Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 53892-53903	9.5	1
14	Polycrystalline Iron(III) metal-organic framework membranes for organic solvent nanofiltration with high permeance. <i>Journal of Membrane Science</i> , 2022, 644, 120130	9.6	1
13	A spirofluorene-based supramolecular polymer: Solvent-induced SCSC transformation and fluorescent sensing. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107703	3.1	1
12	Metal-Organic Framework Materials for Light Hydrocarbon Separation. <i>ChemPlusChem</i> , 2021, 86, 387-395	8	1
11	Ultrahigh Hydrogen Uptake in an Interpenetrated Zn <sub>4</sub> O-Based Metal-Organic Framework. <i>CCS Chemistry</i> , 1005-1011	7.2	1
10	Sodium Ion Storage: TiO <sub>2</sub> -Coated Interlayer-Expanded MoSe <sub>2</sub> /Phosphorus-Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage (Adv. Sci. 1/2019). <i>Advanced Science</i> , 2019, 6, 1970005	13.6	1
9	Constructing Porous Carbon Electrocatalysts from Cobalt Complex-Decorated Micelles of Mesoporous Silica for Oxygen Reduction/Evolution Reaction. <i>Inorganic Chemistry</i> , 2021, 60, 14892-14903	5.1	1
8	Tunable rare-earth metal-organic frameworks for ultra-high selenite capture.. <i>Journal of Hazardous Materials</i> , 2022, 436, 129094	12.8	1
7	Modification of Metal-Organic Frameworks for CO <sub>2</sub> Capture. <i>ACS Symposium Series</i> , 269-308	0.4	1

6	Synthesis, Crystal Structure and Photoluminescence of 1,2-Bis(phenylselenenyl)-1,2-dicarba-closo-dodecaborane(12). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2011</b> , 66, 65-68	1	0
5	Sequential Solid-State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metal-Organic Framework (MOF). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 22558-22563	3.6	0
4	Innentitelbild: Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation (Angew. Chem. 10/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3778-3778	3.6	
3	Synthesis, Structure, and Luminescent Properties of Three Coordination Compounds Based on in situ Generated Tetrazolate and Carboxylate Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2014</b> , 640, 1408-1412	1.3	
2	Résumé: One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks (Angew. Chem. 20/2021). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11636-11636	3.6	
1	Bimetal Hydroxide Electrodes: In Situ Alkaline Hydrolysis of Amorphous MOF Microspheres to Produce Ultrastable Bimetal Hydroxide Electrode with Boosted Cycling Stability (Small 49/2019). <i>Small</i> , <b>2019</b> , 15, 1970267	11	