

Daofeng Sun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

293
papers

15,229
citations

65
h-index

113
g-index

304
ext. papers

17,217
ext. citations

6.9
avg, IF

6.8
L-index

#	Paper	IF	Citations
293	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
292	Template-directed synthesis of Co ₂ P/MoSe ₂ in a N-doped carbon hollow structure for efficient and stable sodium/potassium ion storage. <i>Nano Energy</i> , 2022 , 93, 106897	17.1	12
291	Yolk-shell ZnS@NC@MoS ₂ nanoboxes with enhanced sodium storage capability. <i>Applied Surface Science</i> , 2022 , 574, 151715	6.7	4
290	Fabrication of Graphene oxide membrane with multiple Plug-ins for efficient dye nanofiltration. <i>Separation and Purification Technology</i> , 2022 , 278, 119504	8.3	6
289	Few-Layered MoSe ₂ 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
288	Tunable rare-earth metal-organic frameworks for ultra-high selenite capture.. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129094	12.8	1
287	Single-Atom-like B-N Sites in Ordered Macroporous Carbon for Efficient Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 53892-53903	9.5	1
286	Conversion of Amorphous MOF Microspheres into a Nickel Phosphate Battery-Type Electrode Using the "Anticollapse" Two-Step Strategy. <i>Inorganic Chemistry</i> , 2021 , 60, 17094-17102	5.1	3
285	Metal-Organic Framework Materials for Light Hydrocarbon Separation. <i>ChemPlusChem</i> , 2021 , 86, 387-395.8		1
284	Tunable Electrochemical Activity of P2-NaMnNiOF Microspheres as High-Rate Cathodes for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15333-15343	9.5	3
283	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
282	Spray-dispersion of ultra-small EMT zeolite crystals in thin-film composite membrane for high-permeability nanofiltration process. <i>Journal of Membrane Science</i> , 2021 , 622, 119045	9.6	10
281	REKtitelbild: 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> , 2021 , 133, 11636-11636	3.6	
280	Embedding anion-doped Fe ₇ S ₈ in N-doped carbon matrix and shell for fast and stable sodium storage. <i>Materials Chemistry and Physics</i> , 2021 , 264, 124456	4.4	6
279	Optimizing Fe-Based Metal-Organic Frameworks through Ligand Conformation Regulation for Efficient Dye Adsorption and C ₂ H ₂ /CO Separation. <i>Chemistry - A European Journal</i> , 2021 , 27, 10693-10699 ^{4.8}		5
278	Tetrazole-Functionalized Zirconium Metal-Organic Cages for Efficient C ₂ H ₂ /C ₂ H ₄ and C ₂ H ₂ /CO ₂ Separations. <i>Angewandte Chemie</i> , 2021 , 133, 17478-17483	3.6	2
277	Tetrazole-Functionalized Zirconium Metal-Organic Cages for Efficient C ₂ H ₂ /C ₂ H ₄ and C ₂ H ₂ /CO ₂ Separations. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17338-17343	16.4	17

276	Embedding ZnS in N-doped-carbon frameworks decorated with Co ₄ S ₃ nanoparticles for efficient sodium storage. <i>Applied Surface Science</i> , 2021 , 552, 149494	6.7	6
275	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> , 2021 , 408, 124444	12.8	43
274	Scalable crystalline porous membranes: current state and perspectives. <i>Chemical Society Reviews</i> , 2021 , 50, 1913-1944	58.5	13
273	Guest-tuned proton conductivity of a porphyrinylphosphonate-based hydrogen-bonded organic framework. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2683-2688	13	15
272	Interfacial polymerization of MOF monomers to fabricate flexible and thin membranes for molecular separation with ultrafast water transport. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17528-17537	13	4
271	An anionic potassium-organic framework for selective removal of uranyl ions. <i>Dalton Transactions</i> , 2021 , 50, 8314-8321	4.3	3
270	Intrinsic volumetric negative thermal expansion in the "rigid" calcium squarate. <i>Chemical Communications</i> , 2021 , 57, 9382-9385	5.8	2
269	Argentophilicity induced anomalous thermal expansion behavior in a 2D silver squarate. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1567-1573	6.8	2
268	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11350-11358	16.4	24
267	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
266	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
265	Isorecticular chemistry within metal-organic frameworks for gas storage and separation. <i>Coordination Chemistry Reviews</i> , 2021 , 443, 213968	23.2	59
264	Self-assembly of MOF on MXene nanosheets and in-situ conversion into superior nickel phosphates/MXene battery-type electrode. <i>Chemical Engineering Journal</i> , 2021 , 425, 130602	14.7	18
263	Tailored template engineering of MoSe ₂ /N,P-doped carbon nanospheres with sandwiched carbon and few-layered MoSe ₂ shells for stable and high-rate storage of Na ⁺ /K ⁺ -ions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17780-17789	13	6
262	Recent progress in pristine MOF-based catalysts for electrochemical hydrogen evolution, oxygen evolution and oxygen reduction. <i>Dalton Transactions</i> , 2021 , 50, 5732-5753	4.3	14
261	Single-crystal-to-single-crystal transformation and proton conductivity of three hydrogen-bonded organic frameworks. <i>Chemical Communications</i> , 2020 , 56, 15529-15532	5.8	12
260	Engineering the pore environment of metal-organic framework membranes via modification of the secondary building unit for improved gas separation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13132-13141	13.1	13
259	An Integrated Chemiluminescence Microreactor for Ultrastrong and Long-Lasting Light Emission. <i>Advanced Science</i> , 2020 , 7, 2000065	13.6	11

258	Optimizing Multivariate Metal-Organic Frameworks for Efficient CH ₄ /CO Separation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8728-8737	16.4	129
257	Stimuli-responsive structural changes in metal-organic frameworks. <i>Chemical Communications</i> , 2020 , 56, 9416-9432	5.8	17
256	Metal-organic framework templated Pd/CeO ₂ @N-doped carbon for low-temperature CO oxidation. <i>Nanoscale Advances</i> , 2020 , 2, 755-762	5.1	3
255	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> , 2020 , 132, 3778-3778	3.6	
254	SnS@C nanospheres coated with few-layer MoS ₂ nanosheets and nitrogen, phosphorus-codoped carbon as robust sodium ion battery anodes. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1212-1221	7.8	19
253	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> , 2020 , 59, 6284-6288	16.4	16
252	Pore-Environment Engineering in Multifunctional Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 509-524	4.9	14
251	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie</i> , 2020 , 132, 3868-3873	3.6	9
250	Selective selenization of mixed-linker Ni-MOFs: NiSe ₂ @NC core-shell nano-octahedrons with tunable interfacial electronic structure for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118976	21.8	60
249	Atomically thin defect-rich Ni-Se-S hybrid nanosheets as hydrogen evolution reaction electrocatalysts. <i>Nano Research</i> , 2020 , 13, 2056-2062	10	24
248	Highly efficient CoMoS heterostructure derived from vertically anchored Co ₅ Mo ₁₀ polyoxometalate for electrocatalytic overall water splitting. <i>Chemical Engineering Journal</i> , 2020 , 394, 124849	14.7	28
247	A multifunctional Zr-MOF for the rapid removal of Cr ₂ O ₇ ²⁻ efficient gas adsorption/separation, and catalytic performance. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1150-1157	7.8	19
246	A spirobifluorene-based supramolecular polymer: Solvent-induced SCSC transformation and fluorescent sensing. <i>Inorganic Chemistry Communication</i> , 2020 , 112, 107703	3.1	1
245	An ultrafast responsive NO gas sensor based on a hydrogen-bonded organic framework material. <i>Chemical Communications</i> , 2020 , 56, 703-706	5.8	35
244	Accurate tuning of rare earth metal-organic frameworks with unprecedented topology for white-light emission. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1374-1379	7.1	16
243	Fabrication of (4, 10) and (4, 12)-Connected Multifunctional Zirconium Metal-Organic Frameworks for the Targeted Adsorption of a Guest Molecule. <i>Inorganic Chemistry</i> , 2020 , 59, 695-704	5.1	12
242	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3840-3845	16.4	48
241	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> , 2020 , 16, e2004231	11	23

240	Recent progress in metal-organic framework-based supercapacitor electrode materials. <i>Coordination Chemistry Reviews</i> , 2020 , 420, 213438	23.2	118
239	Micelles of Mesoporous Silica with Inserted Iron Complexes as a Platform for Constructing Efficient Electrocatalysts for Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54720-54731	9.5	9
238	Activity boosting of a metal-organic framework by Fe-Doping for electrocatalytic hydrogen evolution and oxygen evolution. <i>Journal of Solid State Chemistry</i> , 2020 , 292, 121696	3.3	5
237	Conversion of MOF into carbon-coated NiSe ₂ yolk-shell microspheres as advanced battery-type electrodes. <i>Electrochimica Acta</i> , 2020 , 357, 136866	6.7	20
236	A Stable Interpenetrated Zn-MOF with Efficient Light Hydrocarbon Adsorption/Separation Performance. <i>Crystal Growth and Design</i> , 2020 , 20, 5670-5675	3.5	15
235	Facile Synthesis of Dicyclic Cobalt Squarate Cages through a Spontaneous Dissolution/Regrowth Process. <i>Chemistry of Materials</i> , 2020 , 32, 6765-6771	9.6	8
234	Okra-Like Fe S /C@ZnS/N-C@C with Core-Double-Shelled Structures as Robust and High-Rate Sodium Anode. <i>Small</i> , 2020 , 16, e1907641	11	43
233	Optimizing zirconium metal-organic frameworks through steric tuning for efficient removal of CrO ₃ . <i>Chemical Communications</i> , 2020 , 56, 10513-10516	5.8	4
232	Cation-exchange construction of ZnSe/SbSe hollow microspheres coated by nitrogen-doped carbon with enhanced sodium ion storage capability. <i>Nanoscale</i> , 2020 , 12, 17915-17924	7.7	18
231	Sequential Solid-State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22372	16.4	8
230	Sequential Solid-State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metal-Organic Framework (MOF). <i>Angewandte Chemie</i> , 2020 , 132, 22558-22563	3.6	0
229	Green synthesis of hierarchical carbon coupled with Fe ₃ O ₄ /Fe ₂ C as an efficient catalyst for the oxygen reduction reaction. <i>Materials Advances</i> , 2020 , 1, 2010-2018	3.3	8
228	Three Hydrogen-Bonded Organic Frameworks with Water-Induced Single-Crystal-to-Single-Crystal Transformation and High Proton Conductivity. <i>Crystal Growth and Design</i> , 2020 , 20, 3456-3465	3.5	24
227	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
226	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16682-16690	16.4	29
225	Defect-Rich Porous CoS _{1.097} /MoS ₂ Hybrid Microspheres as Electrocatalysts for pH-Universal Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7504-7511	6.1	15
224	Solvent-induced terbium metal-organic frameworks for highly selective detection of manganese(ii) ions. <i>Dalton Transactions</i> , 2019 , 48, 2569-2573	4.3	23
223	N,P-Doped carbon with encapsulated Co nanoparticles as efficient electrocatalysts for oxygen reduction reactions. <i>Dalton Transactions</i> , 2019 , 48, 2352-2358	4.3	16

222	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> , 2019 , 5, 1261-1268	16.8	65
221	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> , 2019 , 30, 12437-12446	2.1	5
220	Efficient platinum harvesting of MOF-derived N-doped carbon through cathodic cyclic voltammetry for hydrogen evolution. <i>Electrochimica Acta</i> , 2019 , 317, 173-181	6.7	8
219	Controlled Hydrolysis of Metal-Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. <i>ACS Nano</i> , 2019 , 13, 7024-7030	16.7	190
218	A rare (3,12)-connected zirconium metal-organic framework with efficient iodine adsorption capacity and pH sensing. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13173-13179	13	37
217	Cooperative Sieving and Functionalization of Zr Metal-Organic Frameworks through Insertion and Post-Modification of Auxiliary Linkers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22390-22397	9.5	35
216	Covalent organic frameworks combined with graphene oxide to fabricate membranes for H ₂ /CO ₂ separation. <i>Separation and Purification Technology</i> , 2019 , 223, 10-16	8.3	28
215	In situ N-doped carbon modified (Co _{0.5} Ni _{0.5}) ₉ S ₈ solid-solution hollow spheres as high-capacity anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8268-8276	13	57
214	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> , 2019 , 11, 9598-9607	7.7	66
213	Topology Exploration in Highly Connected Rare-Earth Metal-Organic Frameworks via Continuous Hindrance Control. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6967-6975	16.4	96
212	Fe/N-doped carbon nanofibers with Fe ₃ O ₄ /Fe ₂ C nanocrystals enched as electrocatalysts for efficient oxygen reduction reaction. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2296-2303	6.8	13
211	Four novel Co(II) metal-organic frameworks based on semi-rigid ligand and their secondary building units transformation. <i>Journal of Molecular Structure</i> , 2019 , 1197, 87-95	3.4	5
210	Unveiling the thermolysis natures of ZIF-8 and ZIF-67 by employing in situ structural characterization studies. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17571-17577	3.6	22
209	"HOT" Alkaline Hydrolysis of Amorphous MOF Microspheres to Produce Ultrastable Bimetal Hydroxide Electrode with Boosted Cycling Stability. <i>Small</i> , 2019 , 15, e1904663	11	25
208	N-doped carbon matrix supported Fe ₃ Ni ₆ S ₈ hierarchical architecture with excellent sodium storage capability and electrocatalytic properties. <i>Electrochimica Acta</i> , 2019 , 325, 134925	6.7	9
207	Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization. <i>Advanced Science</i> , 2019 , 6, 1901855	13.6	13
206	Bimetal Hydroxide Electrodes: HOT Alkaline Hydrolysis of Amorphous MOF Microspheres to Produce Ultrastable Bimetal Hydroxide Electrode with Boosted Cycling Stability (Small 49/2019). <i>Small</i> , 2019 , 15, 1970267	11	
205	Metal-Organic Frameworks: Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization (Adv. Sci. 23/2019). <i>Advanced Science</i> , 2019 , 6, 1970141	13.6	78

204	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> , 2019 , 7, 24301-24310	13	41
203	ZnS _x Se _{1-x} /N-C (x = 0.24) hierarchical nanosphere with improved energy storage capability as sodium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 147-155	5.7	15
202	Ligand controlled structure of cadmium(II) metal-organic frameworks for fluorescence sensing of Fe ³⁺ ion and nitroaromatic compounds. <i>Chinese Chemical Letters</i> , 2019 , 30, 801-805	8.1	9
201	Regulating C ₂ H ₂ and CO ₂ Storage and Separation through Pore Environment Modification in a Microporous Ni-MOF. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2134-2140	8.3	69
200	Effect of Functional Groups on the Adsorption of Light Hydrocarbons in fmj-type Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2019 , 19, 832-838	3.5	25
199	Exploring the sandwich antibacterial membranes based on UiO-66/graphene oxide for forward osmosis performance. <i>Carbon</i> , 2019 , 144, 321-332	10.4	46
198	TiO ₂ -Coated Interlayer-Expanded MoSe ₂ /Phosphorus-Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage. <i>Advanced Science</i> , 2019 , 6, 1801222	13.6	61
197	Sodium Ion Storage: TiO ₂ -Coated Interlayer-Expanded MoSe ₂ /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
196	Surface wettability switching of a zeolitic imidazolate framework mesh via surface ligand exchange for oil-water separation. <i>Materials Research Bulletin</i> , 2019 , 111, 301-305	5.1	8
195	Metal-Organic framework derived porous hollow ternary sulfide as robust anode material for sodium ion batteries. <i>Materials Today Energy</i> , 2019 , 12, 53-61	7	16
194	Rational Design and Synthesis of Hexanuclear Rare Earth the-a Metal-Organic Frameworks Platform Based on RE ₆ O ₄ (OH) ₄ (COO) ₈ Clusters. <i>Crystal Growth and Design</i> , 2019 , 19, 1509-1513	3.5	11
193	In-situ transformation into MoSe ₂ /MoO ₃ heterogeneous nanostructures with enhanced electrochemical performance as anode material for sodium ion battery. <i>Journal of Alloys and Compounds</i> , 2018 , 743, 410-418	5.7	29
192	The lower rather than higher density charge carrier determines the NH ₃ -sensing nature and sensitivity of ambipolar organic semiconductors. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1009-1016	7.8	32
191	High-selectivity Detection of 2,4,6-Trinitrophenol Based on Fluorescent Mg-MOF-74 in Ethanol Solution. <i>Chemical Research in Chinese Universities</i> , 2018 , 34, 175-179	2.2	5
190	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5095-5099	16.4	103
189	Enhancing light hydrocarbon storage and separation through introducing Lewis basic nitrogen sites within a carboxylate-decorated copper-organic framework. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1146-1154	7.8	22
188	A yolk-shell Co ₉ S ₈ /MoS ₂ @N nanocomposite derived from a metal-organic framework as a high performance anode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4776-4782	13	100
187	Effective Binding of Neutral Dinitriles by Pillar[4]arene[1]quinone both in Solution and in Solid State. <i>ChemistrySelect</i> , 2018 , 3, 11-14	1.8	8

186	Two-dimensional cobalt metal-organic frameworks for efficient C ₃ H ₆ /CH ₄ and C ₃ H ₈ /CH ₄ hydrocarbon separation. <i>Chinese Chemical Letters</i> , 2018 , 29, 865-868	8.1	27
185	In situ generation of intercalated membranes for efficient gas separation. <i>Communications Chemistry</i> , 2018 , 1,	6.3	14
184	A 2D porous pentiptycene-based MOF for efficient detection of Ba ²⁺ and selective adsorption of dyes from water. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1314-1320	6.8	17
183	An Amino-Functionalized Metal-Organic Framework, Based on a Rare Ba (COO) (NO) Cluster, for Efficient C /C /C Separation and Preferential Catalytic Performance. <i>Chemistry - A European Journal</i> , 2018 , 24, 2137-2143	4.8	49
182	Solvent-induced framework-interpenetration isomers of Cu MOFs for efficient light hydrocarbon separation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2408-2412	6.8	19
181	N-doped hollow carbon nanospheres as platinum anchoring material for efficient hydrogen evolution. <i>Applied Surface Science</i> , 2018 , 459, 453-458	6.7	15
180	Balancing crystallinity and specific surface area of metal-organic framework derived nickel hydroxide for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2018 , 284, 202-210	6.7	29
179	Bimetallic-MOF Derived Accordion-like Ternary Composite for High-Performance Supercapacitors. <i>Inorganic Chemistry</i> , 2018 , 57, 10953-10960	5.1	70
178	Sandwich membranes through a two-dimensional confinement strategy for gas separation. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1911-1919	7.8	7
177	A fluorine-functionalized microporous In-MOF with high physicochemical stability for light hydrocarbon storage and separation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2445-2449	6.8	41
176	Exposed Equatorial Positions of Metal Centers via Sequential Ligand Elimination and Installation in MOFs. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10814-10819	16.4	50
175	Mixed Matrix Membranes Based on MetalOrganic Frameworks with Tunable Pore Size for CO ₂ Separation. <i>Crystal Growth and Design</i> , 2018 , 18, 4365-4371	3.5	18
174	Amino-functionalized MOFs with high physicochemical stability for efficient gas storage/separation, dye adsorption and catalytic performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24486-24495	13	100
173	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> , 2018 , 8, 6330-6345	5.5	12
172	A MOF-derived coral-like NiSe@NC nanohybrid: an efficient electrocatalyst for the hydrogen evolution reaction at all pH values. <i>Nanoscale</i> , 2018 , 10, 22758-22765	7.7	65
171	Comparison of two water oxidation electrocatalysts by copper or zinc supermolecule complexes based on porphyrin ligand.. <i>RSC Advances</i> , 2018 , 8, 40054-40059	3.7	6
170	Efficient ORR electrocatalytic activity of peanut shell-based graphitic carbon microstructures. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12018-12028	13	48
169	Optimizing crystallinity and porosity of hierarchical Ni(OH) ₂ through conformal transformation of metalorganic framework template for supercapacitor applications. <i>CrystEngComm</i> , 2018 , 20, 4313-4320 ³⁻³	3.3	21

168	In situ confinement of free linkers within a stable MOF membrane for highly improved gas separation properties. <i>CrystEngComm</i> , 2017 , 19, 1601-1606	3.3	18
167	A non-interpenetrating lead-organic framework with large channels based on 1D tube-shaped SBUs. <i>Chemical Communications</i> , 2017 , 53, 5694-5697	5.8	24
166	Surface wettability switching of metal-organic framework mesh for oil-water separation. <i>Materials Letters</i> , 2017 , 189, 82-85	3.3	32
165	A visual test paper based on Pb(II) metal-organic nanotubes utilized as a H ₂ S sensor with high selectivity and sensitivity. <i>Analytical Methods</i> , 2017 , 9, 3094-3098	3.2	17
164	Metal-Organic Framework Derived Porous Hollow CoO/N-C Polyhedron Composite with Excellent Energy Storage Capability. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10602-10609	9.5	101
163	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> , 2017 , 17, 4084-4089	3.5	24
162	Recent advances and challenges of metal-organic framework membranes for gas separation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10073-10091	13	250
161	A multi-aromatic hydrocarbon unit induced hydrophobic metal-organic framework for efficient C ₂ /C ₁ hydrocarbon and oil/water separation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1168-1175	13	83
160	Fluorescence turn-on detection of uric acid by a water-stable metal-organic nanotube with high selectivity and sensitivity. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 601-606	7.1	35
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16	Chain structure of {[Ag(bpy)]NO ₃ } _n (bpy = 4,4'-bipyridine). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002 , 58, m324-m325		13
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12	Syntheses, crystal structures and properties of two novel lanthanide dicarboxylate polymeric complexes. <i>Dalton Transactions RSC</i> , 2002 , 1847-1851		122
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