Bo Wang

List of Publications by Year in Descending Order

163 papers	18,958 citations	61 h-index	137 g-index
185 ext. papers	22,531 ext. citations	11.8 avg, IF	7.07 L-index

#	Paper	IF	Citations
163	Controlling Metal Clusters in Breathing Metal–Organic Framework Nanostructures for Boosting Visible-Light-Induced •OH Radical Formation. *ACS Applied Nano Materials*, **2022**, 5, 2510-2521	5.6	0
162	Covalent Organic Frameworks with Record Pore Apertures.. *Journal of the American Chemical Society*, **2022**,	16.4	10
161	Shaping of metal-organic frameworks, a critical step toward industrial applications. *Matter*, **2022**, 5, 1070-1091	17	0
160	A stable covalent organic framework cathode enables ultra-long cycle life for alkali and multivalent metal rechargeable batteries. *Energy Storage Materials*, **2022**, 48, 439-446	19.4	4
159	Mass transfer enhancement for rapid, selective extraction of pharmaceuticals by enlarging the microporous on isostructural zeolitic imidazolate Framework-8. *Separation and Purification Technology*, **2022**, 293, 121102	8.3	0
158	Engineering of catalytically active sites in photoactive metal–organic frameworks. *Coordination Chemistry Reviews*, **2022**, 465, 214561	23.2	0
157	Enhanced Electrochemical Performance of LiNi0.8Co0.1Mn0.1O2 Cathode Materials by Al2O3 Coating. *Journal of Electrochemical Energy Conversion and Storage*, **2021**, 18,	2	1
156	Design and Synthesis of Noble Metal-based Electrocatalysts Using Metal-Organic Frameworks and Derivatives. *Materials Today Nano*, **2021**, 100144	9.7	3
155	Nanoporous Graphene a Pressing Organization Calcination Strategy for Highly Efficient Electrocatalytic Hydrogen Peroxide Generation. *ACS Applied Materials & Interfaces*, **2021**, 13, 47478-47487	9.5	1
154	Metal-Triazolate-Framework-Derived FeN Cl Single-Atom Catalysts with Hierarchical Porosity for the Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2021**,	16.4	20
153	Macrocyclic Arenes-Based Conjugated Macrocycle Polymers for Highly Selective CO2 Capture and Iodine Adsorption. *Angewandte Chemie*, **2021**, 133, 9049-9057	3.6	10
152	Macrocyclic Arenes-Based Conjugated Macrocycle Polymers for Highly Selective CO Capture and Iodine Adsorption. *Angewandte Chemie - International Edition*, **2021**, 60, 8967-8975	16.4	34
151	Metal-Organic Framework Membranes Encapsulating Gold Nanoparticles for Direct Plasmonic Photocatalytic Nitrogen Fixation. *Journal of the American Chemical Society*, **2021**, 143, 5727-5736	16.4	42
150	Metal-organic framework membranes with single-atomic centers for photocatalytic CO and O reduction. *Nature Communications*, **2021**, 12, 2682	17.4	40
149	Construction of Interlayer Conjugated Links in 2D Covalent Organic Frameworks via Topological Polymerization. *Journal of the American Chemical Society*, **2021**, 143, 7897-7902	16.4	15
148	Tuning Surface Functionalization and Pore Structure of UiO-66 Metal–Organic Framework Nanoparticles for Organic Pollutant Elimination. *ACS Applied Nano Materials*, **2021**, 4, 5486-5495	5.6	4
147	Turning metal-organic frameworks into efficient single-atom catalysts via pyrolysis with a focus on oxygen reduction reaction catalysts. *EnergyChem*, **2021**, 3, 100056	36.9	10

146	The Synthesis of Hexaazatrinaphthylene-Based 2D Conjugated Copper Metal-Organic Framework for Highly Selective and Stable Electroreduction of CO2 to Methane. *Angewandte Chemie*, **2021**, 133, 16545-16551	3.6	4
145	Coordination Polymer Glasses with Lava and Healing Ability for High-Performance Gas Sieving. *Angewandte Chemie*, **2021**, 133, 21474-21479	3.6	0
144	The Synthesis of Hexaazatrinaphthylene-Based 2D Conjugated Copper Metal-Organic Framework for Highly Selective and Stable Electroreduction of CO to Methane. *Angewandte Chemie - International Edition*, **2021**, 60, 16409-16415	16.4	27
143	Coordination Polymer Glasses with Lava and Healing Ability for High-Performance Gas Sieving. *Angewandte Chemie - International Edition*, **2021**, 60, 21304-21309	16.4	10
142	25 Jahre retikulre Chemie. *Angewandte Chemie*, **2021**, 133, 24142	3.6	0
141	Hydrophilicity gradient in covalent organic frameworks for membrane distillation. *Nature Materials*, **2021**, 20, 1551-1558	27	40
140	Metal-Organic Framework-Derived Trimetallic Nanocomposites as Efficient Bifunctional Oxygen Catalysts for Zinc-Air Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 33209-33217	9.5	3
139	25 Years of Reticular Chemistry. *Angewandte Chemie - International Edition*, **2021**, 60, 23946-23974	16.4	50
138	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. *Angewandte Chemie*, **2021**, 133, 21853-21858	3.6	4
137	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. *Angewandte Chemie - International Edition*, **2021**, 60, 21685-21690	16.4	14
136	Defect Engineering in Metal-Organic Frameworks as Futuristic Options for Purification of Pollutants in an Aqueous Environment. *Frontiers in Chemistry*, **2021**, 9, 673738	5	3
135	Bulk COFs and COF nanosheets for electrochemical energy storage and conversion. *Chemical Society Reviews*, **2020**, 49, 3565-3604	58.5	256
134	Advanced functional polymer materials. *Materials Chemistry Frontiers*, **2020**, 4, 1803-1915	7.8	70
133	Fully Conjugated Donor–Acceptor Covalent Organic Frameworks for Photocatalytic Oxidative Amine Coupling and Thioamide Cyclization. *ACS Catalysis*, **2020**, 10, 8717-8726	13.1	61
132	Innenrcktitelbild: Molecular-Sieving Membrane by Partitioning the Channels in Ultrafiltration Membrane by In Situ Polymerization (Angew. Chem. 11/2020). *Angewandte Chemie*, **2020**, 132, 4619-4619	3.6	
131	A Flexible Interpenetrated Zirconium-Based Metal-Organic Framework with High Affinity toward Ammonia. *ChemSusChem*, **2020**, 13, 1710-1714	8.3	21
130	Enhanced Proton Conductivity of Imidazole-Doped Thiophene-Based Covalent Organic Frameworks via Subtle Hydrogen Bonding Modulation. *ACS Applied Materials & Interfaces*, **2020**, 12, 22910-22916	9.5	29
129	Mesoporous Rod-Like Metal-Organic Framework with Optimal Tumor Targeting Properties for Enhanced Activatable Photodynamic Therapy. *Advanced Therapeutics*, **2020**, 3, 2000011	4.9	5

128	MOFs and COFs for Batteries and Supercapacitors. *Electrochemical Energy Reviews*, **2020**, 3, 81-126	29.3	57
127	Molecular-Sieving Membrane by Partitioning the Channels in Ultrafiltration Membrane by In Situ Polymerization. *Angewandte Chemie*, **2020**, 132, 4431-4435	3.6	
126	A Hydrolytically Stable Vanadium(IV) Metal□Organic Framework with Photocatalytic Bacteriostatic Activity for Autonomous Indoor Humidity Control. *Angewandte Chemie*, **2020**, 132, 3933-3937	3.6	4
125	Molecular-Sieving Membrane by Partitioning the Channels in Ultrafiltration Membrane by In Situ Polymerization. *Angewandte Chemie - International Edition*, **2020**, 59, 4401-4405	16.4	23
124	A Hydrolytically Stable Vanadium(IV) Metal-Organic Framework with Photocatalytic Bacteriostatic Activity for Autonomous Indoor Humidity Control. *Angewandte Chemie - International Edition*, **2020**, 59, 3905-3909	16.4	26
123	Synergistic Effects of Inorganic-Organic Protective Layer for Robust Cycling Dendrite-Free Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 844-850	9.5	12
122	Tumor-Activated and Metal-Organic Framework Assisted Self-Assembly of Organic Photosensitizers. *ACS Nano*, **2020**, 14, 13056-13068	16.7	15
121	Versatile Platform of Ion Conducting 2D Anionic Germanate Covalent Organic Frameworks with Potential for Capturing Toxic Acidic Gases. *ACS Applied Materials & Interfaces*, **2020**, 12, 40372-40380	9.5	16
120	Efficient Synthesis of □-Lactones by Cobalt-Catalyzed Carbonylative Ring Expansion of Oxetanes under Syngas Atmosphere. *ChemCatChem*, **2020**, 12, 5898-5902	5.2	3
119	Aluminum Metal-Organic Frameworks with Photocatalytic Antibacterial Activity for Autonomous Indoor Humidity Control. *ACS Applied Materials & Interfaces*, **2020**, 12, 46057-46064	9.5	13
118	Acid Catalysis in Confined Channels of Metal-Organic Frameworks: Boosting Orthoformate Hydrolysis in Basic Solutions. *Journal of the American Chemical Society*, **2020**, 142, 14848-14853	16.4	13
117	Recent advances in metal-organic frameworks for lithium metal anode protection. *Chinese Chemical Letters*, **2020**, 31, 609-616	8.1	22
116	Metal-organic frameworks and their derivatives for Li□air batteries. *Chinese Chemical Letters*, **2020**, 31, 635-642	8.1	17
115	Improving areal capacity of flexible Li□CO2 batteries by constructing a freestanding cathode with monodispersed MnO nanoparticles in N-doped mesoporous carbon nanofibers. *Journal of Materials Chemistry A*, **2020**, 8, 10354-10362	13	16
114	Metal□Organic Framework Assisted and Tumor Microenvironment Modulated Synergistic Image-Guided Photo-Chemo Therapy. *Advanced Functional Materials*, **2020**, 30, 2002431	15.6	31
113	Synthesis and fine-tuning the pore properties of a thiophene based porous organic framework by post-oxidation treatment. *Journal of Materials Chemistry A*, **2019**, 7, 21953-21958	13	4
112	Membrane adsorbers with ultrahigh metal-organic framework loading for high flux separations. *Nature Communications*, **2019**, 10, 4204	17.4	94
111	A ZIF-67-derived□ulfur sandwich structure for high performance Li□S batteries. *APL Materials*, **2019**, 7, 091115	5.7	4

110	Ferrocene-Linkage-Facilitated Charge Separation in Conjugated Microporous Polymers. *Angewandte Chemie - International Edition*, **2019**, 58, 4221-4226	16.4	62
109	Water Contaminant Elimination Based on Metal□Organic Frameworks and Perspective on Their Industrial Applications. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4548-4563	8.3	103
108	Ferrocene-Linkage-Facilitated Charge Separation in Conjugated Microporous Polymers. *Angewandte Chemie*, **2019**, 131, 4265-4270	3.6	6
107	Fabrication of Copper Azide Film through Metal-Organic Framework for Micro-Initiator Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 8081-8088	9.5	29
106	Cancer-Cell-Activated Photodynamic Therapy Assisted by Cu(II)-Based Metal-Organic Framework. *ACS Nano*, **2019**, 13, 6879-6890	16.7	110
105	Metal-Organic Framework Films and Their Potential Applications in Environmental Pollution Control. *Accounts of Chemical Research*, **2019**, 52, 1461-1470	24.3	193
104	Regeneration, degradation, and toxicity effect of MOFs: Opportunities and challenges. *Environmental Research*, **2019**, 176, 108488	7.9	78
103	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. *Nature Communications*, **2019**, 10, 2177	17.4	277
102	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H2 Separation. *Angewandte Chemie*, **2019**, 131, 8860-8864	3.6	13
101	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H Separation. *Angewandte Chemie - International Edition*, **2019**, 58, 8768-8772	16.4	23
100	Plasma modification of a Ni based metal□organic framework for efficient hydrogen evolution. *Journal of Materials Chemistry A*, **2019**, 7, 8129-8135	13	21
99	Promoting nitrogen electroreduction to ammonia with bismuth nanocrystals and potassium cations in water. *Nature Catalysis*, **2019**, 2, 448-456	36.5	404
98	A porous □-cyclodextrin-based terpolymer fluorescence sensor for trinitrophenol detection.. *RSC Advances*, **2019**, 9, 8073-8080	3.7	11
97	Monodispersed MnO nanoparticles in graphene-an interconnected N-doped 3D carbon framework as a highly efficient gas cathode in Li□O2 batteries. *Energy and Environmental Science*, **2019**, 12, 1046-1054	35.4	69
96	Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. *Angewandte Chemie - International Edition*, **2019**, 58, 15742-15746	16.4	73
95	Theoretical prediction of thermal and electronic properties of metal-organic frameworks. *Journal of Industrial and Engineering Chemistry*, **2019**, 80, 136-151	6.3	8
94	Ruthenium-catalyzed remote C5-sulfonation of N-alkyl-8-aminoquinolines. *Organic and Biomolecular Chemistry*, **2019**, 17, 7564-7568	3.9	8
93	Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. *Angewandte Chemie*, **2019**, 131, 15889-15893	3.6	19

92	Crystalline Anionic Germanate Covalent Organic Framework for High CO Selectivity and Fast Li Ion Conduction. *Chemistry - A European Journal*, **2019**, 25, 13479-13483	4.8	21
91	Stable radical anions generated from a porous perylenediimide metal-organic framework for boosting near-infrared photothermal conversion. *Nature Communications*, **2019**, 10, 767	17.4	131
90	Fast Ion Transport Pathway Provided by Polyethylene Glycol Confined in Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2019**, 141, 1923-1927	16.4	138
89	Stable Aluminum Metal-Organic Frameworks (Al-MOFs) for Balanced CO and Water Selectivity. *ACS Applied Materials & Interfaces*, **2018**, 10, 3160-3163	9.5	35
88	Multivariate MOF-Templated Pomegranate-Like Ni/C as Efficient Bifunctional Electrocatalyst for Hydrogen Evolution and Urea Oxidation. *ACS Applied Materials & Interfaces*, **2018**, 10, 4750-4756	9.5	86
87	Carbon dioxide in the cage: manganese metal–organic frameworks for high performance CO2 electrodes in Li–CO2 batteries. *Energy and Environmental Science*, **2018**, 11, 1318-1325	35.4	121
86	Porous nanocomposite derived from Zn, Ni-bimetallic metal-organic framework as an anode material for lithium-ion batteries. *Chinese Chemical Letters*, **2018**, 29, 842-844	8.1	20
85	Covalent organic frameworks: a platform for the experimental establishment of the influence of intermolecular distance on phosphorescence. *Journal of Materials Chemistry C*, **2018**, 6, 5369-5374	7.1	33
84	A Flexible Metal-Organic Framework with 4-Connected Zr Nodes. *Journal of the American Chemical Society*, **2018**, 140, 11179-11183	16.4	115
83	Recent Development and Application of Conductive MOFs. *Israel Journal of Chemistry*, **2018**, 58, 1010-1018	3.4	34
82	Design and synthesis of covalent organic frameworks. *Chinese Science Bulletin*, **2018**, 63, 2229-2245	2.9	3
81	Zinc/Nickel-Doped Hollow Core-Shell Co O Derived from a Metal-Organic Framework with High Capacity, Stability, and Rate Performance in Lithium/Sodium-Ion Batteries. *Chemistry - A European Journal*, **2018**, 24, 1651-1656	4.8	32
80	Defect engineering of highly stable lanthanide metal–organic frameworks by particle modulation for coating catalysis. *Journal of Materials Chemistry A*, **2018**, 6, 342-348	13	32
79	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance Li–S Batteries. *ACS Applied Energy Materials*, **2018**, 1, 6986-6991	6.1	14
78	An Iron-Containing Metal-Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. *Angewandte Chemie - International Edition*, **2018**, 57, 16416-16420	16.4	54
77	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. *Angewandte Chemie - International Edition*, **2018**, 57, 16501-16505	16.4	73
76	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. *Angewandte Chemie*, **2018**, 130, 16739-16743	3.6	23
75	An Iron-Containing Metal–Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. *Angewandte Chemie*, **2018**, 130, 16654-16658	3.6	14

74	AIBN-Promoted Synthesis of Bibenzo[b][1,4]thiazines by the Condensation of 2,2SDithiodianiline with Methyl Aryl Ketones. *Organic Letters*, **2018**, 20, 3332-3336	6.2	19
73	Large Conjugated Porous Frameworks as Cathodes for Sodium-Ion Batteries. *Journal of Physical Chemistry Letters*, **2018**, 9, 3205-3211	6.4	48
72	Roll-to-Roll Production of Metal-Organic Framework Coatings for Particulate Matter Removal. *Advanced Materials*, **2017**, 29, 1606221	24	192
71	Hybridization of MOFs and polymers. *Chemical Society Reviews*, **2017**, 46, 3108-3133	58.5	515
70	Exfoliation of Covalent Organic Frameworks into Few-Layer Redox-Active Nanosheets as Cathode Materials for Lithium-Ion Batteries. *Journal of the American Chemical Society*, **2017**, 139, 4258-4261	16.4	549
69	Facile Fabrication of Multifunctional Metal-Organic Framework Hollow Tubes To Trap Pollutants. *Journal of the American Chemical Society*, **2017**, 139, 16482-16485	16.4	75
68	Emerging crystalline porous materials as a multifunctional platform for electrochemical energy storage. *Chemical Society Reviews*, **2017**, 46, 6927-6945	58.5	258
67	A facile method to prepare energetic materials (EMs). *RSC Advances*, **2017**, 7, 48161-48165	3.7	4
66	A Heat-Resistant and Energetic Metal-Organic Framework Assembled by Chelating Ligand. *ACS Applied Materials & Interfaces*, **2017**, 9, 37542-37547	9.5	32
65	Explosives in the Cage: Metal-Organic Frameworks for High-Energy Materials Sensing and Desensitization. *Advanced Materials*, **2017**, 29, 1701898	24	90
64	A Lithium Ion Highway by Surface Coordination Polymerization: In Situ Growth of Metal-Organic Framework Thin Layers on Metal Oxides for Exceptional Rate and Cycling Performance. *Chemistry - A European Journal*, **2017**, 23, 11513-11518	4.8	7
63	Recent advances in AIEgen-based luminescent metalorganic frameworks and covalent organic frameworks. *Materials Chemistry Frontiers*, **2017**, 1, 2474-2486	7.8	111
62	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2017**, 56, 16313-16317	16.4	183
61	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. *Angewandte Chemie*, **2017**, 129, 16531-16535	3.6	42
60	Wearable Thermoelectric Power Generators Combined With Flexible Supercapacitor for Low-Power Human Diagnosis Devices. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 1477-1485	8.9	67
59	Metalorganic frameworks for energy storage: Batteries and supercapacitors. *Coordination Chemistry Reviews*, **2016**, 307, 361-381	23.2	878
58	Chiral Dodecanuclear Palladium(II) Thio Cluster: Synthesis, Structure, and Formation Mechanism Explored by ESI-MS and DFT Calculations. *Inorganic Chemistry*, **2016**, 55, 7811-3	5.1	2
57	Recent advances of covalent organic frameworks in electronic and optical applications. *Chinese Chemical Letters*, **2016**, 27, 1383-1394	8.1	57

56	Sophisticated Design of Covalent Organic Frameworks with Controllable Bimetallic Docking for a Cascade Reaction. *Chemistry - A European Journal*, **2016**, 22, 9087-91	4.8	67
55	Water Purification: Adsorption over Metal-Organic Frameworks. *Chinese Journal of Chemistry*, **2016**, 34, 175-185	4.9	85
54	Fe/Ni Metal-Organic Frameworks and Their Binder-Free Thin Films for Efficient Oxygen Evolution with Low Overpotential. *ACS Applied Materials & Interfaces*, **2016**, 8, 16736-43	9.5	163
53	A Solvent-Free Hot-Pressing Method for Preparing Metal□Organic-Framework Coatings. *Angewandte Chemie*, **2016**, 128, 3480-3484	3.6	17
52	An effective approach to improve the electrochemical performance of LiNi0.6Co0.2Mn0.2O2 cathode by an MOF-derived coating. *Journal of Materials Chemistry A*, **2016**, 4, 5823-5827	13	77
51	Challenges and recent advances in MOF□polymer composite membranes for gas separation. *Inorganic Chemistry Frontiers*, **2016**, 3, 896-909	6.8	205
50	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. *CrystEngComm*, **2016**, 18, 4236-4258	3.3	79
49	Ca, pH and thermo triple-responsive mechanized Zr-based MOFs for on-command drug release in bone diseases. *Journal of Materials Chemistry B*, **2016**, 4, 135-140	7.3	102
48	Metal-Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability. *Advanced Materials*, **2016**, 28, 5837-43	24	81
47	A Solvent-Free Hot-Pressing Method for Preparing Metal-Organic-Framework Coatings. *Angewandte Chemie - International Edition*, **2016**, 55, 3419-23	16.4	160
46	Metal-Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. *Chinese Journal of Chemistry*, **2016**, 34, 157-174	4.9	29
45	A copper(II)-based MOF film for highly efficient visible-light-driven hydrogen production. *Journal of Materials Chemistry A*, **2016**, 4, 7174-7177	13	45
44	Preparation of Nanofibrous Metal-Organic Framework Filters for Efficient Air Pollution Control. *Journal of the American Chemical Society*, **2016**, 138, 5785-8	16.4	417
43	Partitioning MOF-5 into Confined and Hydrophobic Compartments for Carbon Capture under Humid Conditions. *Journal of the American Chemical Society*, **2016**, 138, 10100-3	16.4	159
42	Shaping of Metal-Organic Frameworks: From Fluid to Shaped Bodies and Robust Foams. *Journal of the American Chemical Society*, **2016**, 138, 10810-3	16.4	129
41	The impact of the particle size of a metal□organic framework for sulfur storage in Li□S batteries. *Journal of Materials Chemistry A*, **2015**, 3, 8272-8275	13	98
40	MOF derived composites for cathode protection: coatings of LiCoO2 from UiO-66 and MIL-53 as ultra-stable cathodes. *Chemical Communications*, **2015**, 51, 12391-4	5.8	19
39	Flexible Solid-State Supercapacitor Based on a Metal-Organic Framework Interwoven by Electrochemically-Deposited PANI. *Journal of the American Chemical Society*, **2015**, 137, 4920-3	16.4	681

38	Photoinduced postsynthetic polymerization of a metal-organic framework toward a flexible stand-alone membrane. *Angewandte Chemie - International Edition*, **2015**, 54, 4259-63	16.4	191
37	Photoinduced Postsynthetic Polymerization of a Metal□Organic Framework toward a Flexible Stand-Alone Membrane. *Angewandte Chemie*, **2015**, 127, 4333-4337	3.6	50
36	Chirality from substitution: enantiomer separation via a modified metal□organic framework. *Journal of Materials Chemistry A*, **2015**, 3, 12145-12148	13	57
35	Metal-Organic Frameworks (MOFs) as Sandwich Coating Cushion for Silicon Anode in Lithium Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 26608-13	9.5	60
34	Zn(2+)-Triggered Drug Release from Biocompatible Zirconium MOFs Equipped with Supramolecular Gates. *Small*, **2015**, 11, 3807-13	11	147
33	A Tale of Copper Coordination Frameworks: Controlled Single-Crystal-to-Single-Crystal Transformations and Their Catalytic C-H Bond Activation Properties. *Chemistry - A European Journal* , **2015**, 21, 13894-9	4.8	18
32	Stimuli-responsive metal-organic frameworks gated by pillar[5]arene supramolecular switches. *Chemical Science*, **2015**, 6, 1640-1644	9.4	196
31	In situ growth of MOFs on the surface of si nanoparticles for highly efficient lithium storage: Si@MOF nanocomposites as anode materials for lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 2178-82	9.5	96
30	A malonitrile-functionalized metal-organic framework for hydrogen sulfide detection and selective amino acid molecular recognition. *Scientific Reports*, **2014**, 4, 4366	4.9	86
29	Polyoxometallates trapped in a zeolitic imidazolate framework leading to high uptake and selectivity of bioactive molecules. *Journal of Materials Chemistry A*, **2014**, 2, 2168-2173	13	85
28	Tuning the luminescence of metal-organic frameworks for detection of energetic heterocyclic compounds. *Journal of the American Chemical Society*, **2014**, 136, 15485-8	16.4	341
27	Metal□organic frameworks constructed from mixed infinite inorganic units and adenine. *CrystEngComm*, **2014**, 16, 3082	3.3	17
26	A highly stable metal- and nitrogen-doped nanocomposite derived from Zn/Ni-ZIF-8 capable of CO2 capture and separation. *Chemical Communications*, **2014**, 50, 6894-7	5.8	81
25	Zn-BTC MOFs with active metal sites synthesized via a structure-directing approach for highly efficient carbon conversion. *Chemical Communications*, **2014**, 50, 2624-7	5.8	88
24	Pillar[5]arene-based supramolecular organic frameworks for highly selective CO2-capture at ambient conditions. *Advanced Materials*, **2014**, 26, 7027-31	24	207
23	3D cross-correlative matrix temperature detection and non-invasive thermal mapping based on a molecular probe. *Chemical Science*, **2014**, 5, 4388-4393	9.4	22
22	Highly porous ZIF-8 nanocrystals prepared by a surfactant mediated method in aqueous solution with enhanced adsorption kinetics. *ACS Applied Materials & Interfaces*, **2014**, 6, 14994-9	9.5	69
21	Nickel-substituted zeolitic imidazolate frameworks for time-resolved alcohol sensing and photocatalysis under visible light. *Journal of Materials Chemistry A*, **2014**, 2, 5724-5729	13	79

20	Facile fabrication of magnetically recyclable metal-organic framework nanocomposites for highly efficient and selective catalytic oxidation of benzylic C-H bonds. *Chemical Communications*, **2014**, 50, 8374-7	5.8	45
19	A novel anode material derived from organic-coated ZIF-8 nanocomposites with high performance in lithium ion batteries. *Chemical Communications*, **2014**, 50, 8057-60	5.8	132
18	Rational design of a metal–organic framework host for sulfur storage in fast, long-cycle Li–S batteries. *Energy and Environmental Science*, **2014**, 7, 2715	35.4	376
17	Binary Pd-polyoxometalates and isolation of a ternary Pd-V-polyoxomolybdate active species for selective aerobic oxidation of alcohols. *Chemistry - A European Journal*, **2014**, 20, 2557-64	4.8	34
16	A new synthetic approach to functionalize oxomolybdenum complexes. *CrystEngComm*, **2013**, 15, 7410	3.3	7
15	Two chiral multinuclear palladium(II) complexes comprising alternately arranged isomerous hexanuclear clusters. *CrystEngComm*, **2013**, 15, 6461	3.3	3
14	Three new imidazole-functionalized hexanuclear oxidovanadium clusters with exceptional catalytic oxidation properties for alcohols. *Chemistry - A European Journal*, **2013**, 19, 4408-13	4.8	58
13	Controlled Synthesis of Polyoxopalladates, and Their Gas-Phase Fragmentation Study by Electrospray Ionization Tandem Mass Spectrometry. *European Journal of Inorganic Chemistry*, **2013**, 2013, 3458-3463	2.3	23
12	Controlled solvothermal synthesis of novel organic functionalized polyoxovanadates. *Dalton Transactions*, **2012**, 41, 6910-3	4.3	12
11	Cation-induced synthesis of new polyoxopalladates. *Inorganic Chemistry*, **2012**, 51, 4435-7	5.1	38
10	Mechanism of the cycloaddition of carbon dioxide and epoxides catalyzed by cobalt-substituted 12-tungstenphosphate. *Chemistry - A European Journal*, **2012**, 18, 9870-6	4.8	55
9	Multiple functional groups of varying ratios in metal-organic frameworks. *Science*, **2010**, 327, 846-50	33.3	1399
8	Positronium formation in porous materials for antihydrogen production. *Journal of Physics: Conference Series*, **2010**, 225, 012007	0.3	19
7	Synthesis and structure of chemically stable metal-organic polyhedra. *Journal of the American Chemical Society*, **2009**, 131, 12532-3	16.4	135
6	Highly efficient separation of carbon dioxide by a metal-organic framework replete with open metal sites. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20637-40	11.5	950
5	Colossal cages in zeolitic imidazolate frameworks as selective carbon dioxide reservoirs. *Nature*, **2008**, 453, 207-11	50.4	1302
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