Bo Wang

List of Publications by Year in descending order

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179 papers	26,404 citations	9786 73 h-index	6131 159 g-index
185 all docs	185 docs citations	185 times ranked	23745 citing authors

#	Article	IF	Citations
1	High-Throughput Synthesis of Zeolitic Imidazolate Frameworks and Application to CO ₂ Capture. Science, 2008, 319, 939-943.	12.6	3,592
2	Multiple Functional Groups of Varying Ratios in Metal-Organic Frameworks. Science, 2010, 327, 846-850.	12.6	1,607
3	Colossal cages in zeolitic imidazolate frameworks as selective carbon dioxide reservoirs. Nature, 2008, 453, 207-211.	27.8	1,452
4	Metalâ€“organic frameworks for energy storage: Batteries and supercapacitors. Coordination Chemistry Reviews, 2016, 307, 361-381.	18.8	1,098
5	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, 20637-20640.	7.1	1,042
6	Flexible Solid-State Supercapacitor Based on a Metalâ€“Organic Framework Interwoven by Electrochemically-Deposited PANI. Journal of the American Chemical Society, 2015, 137, 4920-4923.	13.7	832
7	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.	13.7	775
8	Hybridization of MOFs and polymers. Chemical Society Reviews, 2017, 46, 3108-3133.	38.1	708
9	Promoting nitrogen electroreduction to ammonia with bismuth nanocrystals and potassium cations in water. Nature Catalysis, 2019, 2, 448-456.	34.4	642
10	Bulk COFs and COF nanosheets for electrochemical energy storage and conversion. Chemical Society Reviews, 2020, 49, 3565-3604.	38.1	617
11	Preparation of Nanofibrous Metalâ€“Organic Framework Filters for Efficient Air Pollution Control. Journal of the American Chemical Society, 2016, 138, 5785-5788.	13.7	574
12	Metal-organic frameworks with photocatalytic bactericidal activity for integrated air cleaning. Nature Communications, 2019, 10, 2177.	12.8	476
13	Rational design of a metalâ€“organic framework host for sulfur storage in fast, long-cycle Liâ€“S batteries. Energy and Environmental Science, 2014, 7, 2715.	30.8	434
14	Tuning the Luminescence of Metalâ€“Organic Frameworks for Detection of Energetic Heterocyclic Compounds. Journal of the American Chemical Society, 2014, 136, 15485-15488.	13.7	390
15	Emerging crystalline porous materials as a multifunctional platform for electrochemical energy storage. Chemical Society Reviews, 2017, 46, 6927-6945.	38.1	347
16	Metalâ€“Organic Framework Films and Their Potential Applications in Environmental Pollution Control. Accounts of Chemical Research, 2019, 52, 1461-1470.	15.6	319
17	Threeâ€Dimensional Anionic Cyclodextrinâ€Based Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2017, 56, 16313-16317.	13.8	290
18	Challenges and recent advances in MOFâ€“polymer composite membranes for gas separation. Inorganic Chemistry Frontiers, 2016, 3, 896-909.	6.0	278

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19	Rollâ€toâ€Roll Production of Metalâ€Organic Framework Coatings for Particulate Matter Removal. Advanced Materials, 2017, 29, 1606221.	21.0	252
20	Pillar[5]areneâ€Based Supramolecular Organic Frameworks for Highly Selective CO₂â€Capture at Ambient Conditions. Advanced Materials, 2014, 26, 7027-7031.	21.0	251
21	Stable radical anions generated from a porous perylenediimide metal-organic framework for boosting near-infrared photothermal conversion. Nature Communications, 2019, 10, 767.	12.8	247
22	Photoinduced Postsynthetic Polymerization of a Metalâ€“Organic Framework toward a Flexible Standâ€Alone Membrane. Angewandte Chemie - International Edition, 2015, 54, 4259-4263.	13.8	235
23	Stimuli-responsive metalâ€“organic frameworks gated by pillar[5]arene supramolecular switches. Chemical Science, 2015, 6, 1640-1644.	7.4	228
24	Fast Ion Transport Pathway Provided by Polyethylene Glycol Confined in Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 1923-1927.	13.7	217
25	Partitioning MOF-5 into Confined and Hydrophobic Compartments for Carbon Capture under Humid Conditions. Journal of the American Chemical Society, 2016, 138, 10100-10103.	13.7	214
26	25 Years of Reticular Chemistry. Angewandte Chemie - International Edition, 2021, 60, 23946-23974.	13.8	204
27	A Solventâ€Free Hotâ€Pressing Method for Preparing Metalâ€“Organicâ€Framework Coatings. Angewandte Chemie - International Edition, 2016, 55, 3419-3423.	13.8	201
28	Fully Conjugated Donorâ€“Acceptor Covalent Organic Frameworks for Photocatalytic Oxidative Amine Coupling and Thioamide Cyclization. ACS Catalysis, 2020, 10, 8717-8726.	11.2	200
29	Fe/Ni Metalâ€“Organic Frameworks and Their Binder-Free Thin Films for Efficient Oxygen Evolution with Low Overpotential. ACS Applied Materials & Interfaces, 2016, 8, 16736-16743.	8.0	198
30	Hydrophilicity gradient in covalent organic frameworks for membrane distillation. Nature Materials, 2021, 20, 1551-1558.	27.5	195
31	Cancer-Cell-Activated Photodynamic Therapy Assisted by Cu(II)-Based Metalâ€“Organic Framework. ACS Nano, 2019, 13, 6879-6890.	14.6	179
32	Zn²⁺â€Triggered Drug Release from Biocompatible Zirconium MOFs Equipped with Supramolecular Gates. Small, 2015, 11, 3807-3813.	10.0	178
33	Shaping of Metalâ€“Organic Frameworks: From Fluid to Shaped Bodies and Robust Foams. Journal of the American Chemical Society, 2016, 138, 10810-10813.	13.7	178
34	Carbon dioxide in the cage: manganese metalâ€“organic frameworks for high performance CO₂electrodes in Liâ€“CO₂batteries. Energy and Environmental Science, 2018, 11, 1318-1325.	30.8	172
35	Regeneration, degradation, and toxicity effect of MOFs: Opportunities and challenges. Environmental Research, 2019, 176, 108488.	7.5	167
36	Water Contaminant Elimination Based on Metalâ€“Organic Frameworks and Perspective on Their Industrial Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 4548-4563.	6.7	165

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37	A Flexible Metalâ€“Organic Framework with 4-Connected Zr₆ Nodes. Journal of the American Chemical Society, 2018, 140, 11179-11183.	13.7	158
38	Membrane adsorbers with ultrahigh metal-organic framework loading for high flux separations. Nature Communications, 2019, 10, 4204.	12.8	157
39	Metalâ€“Organic Framework Membranes Encapsulating Gold Nanoparticles for Direct Plasmonic Photocatalytic Nitrogen Fixation. Journal of the American Chemical Society, 2021, 143, 5727-5736.	13.7	157
40	Metal-organic framework membranes with single-atomic centers for photocatalytic CO2 and O2 reduction. Nature Communications, 2021, 12, 2682.	12.8	154
41	A novel anode material derived from organic-coated ZIF-8 nanocomposites with high performance in lithium ion batteries. Chemical Communications, 2014, 50, 8057-8060.	4.1	151
42	Synthesis and Structure of Chemically Stable Metalâ€'Organic Polyhedra. Journal of the American Chemical Society, 2009, 131, 12532-12533.	13.7	150
43	Metalâ€Triazolateâ€Frameworkâ€Derived FeN₄Cl₁ Singleâ€Atom Catalysts with Hierarchical Porosity for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 27324-27329.	13.8	142
44	Ca²⁺, 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.	5.8	136
45	Recent advances in AIEgen-based luminescent metalâ€“organic frameworks and covalent organic frameworks. Materials Chemistry Frontiers, 2017, 1, 2474-2486.	5.9	136
46	The impact of the particle size of a metalâ€“organic framework for sulfur storage in Liâ€“S batteries. Journal of Materials Chemistry A, 2015, 3, 8272-8275.	10.3	129
47	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. Angewandte Chemie - International Edition, 2018, 57, 16501-16505.	13.8	128
48	Explosives in the Cage: Metalâ€“Organic Frameworks for Highâ€Energy Materials Sensing and Desensitization. Advanced Materials, 2017, 29, 1701898.	21.0	127
49	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, 2178-2182.	8.0	124
50	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.	8.0	123
51	Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. Angewandte Chemie - International Edition, 2019, 58, 15742-15746.	13.8	121
52	Macrocyclic Arenesâ€Based Conjugated Macrocycle Polymers for Highly Selective CO₂ Capture and Iodine Adsorption. Angewandte Chemie - International Edition, 2021, 60, 8967-8975.	13.8	119
53	Zn-BTC MOFs with active metal sites synthesized via a structure-directing approach for highly efficient carbon conversion. Chemical Communications, 2014, 50, 2624-2627.	4.1	118
54	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	5.9	117

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55	Water Purification: Adsorption over Metalâ€Organic Frameworks. Chinese Journal of Chemistry, 2016, 34, 175-185.	4.9	116
56	Monodispersed MnO nanoparticles in graphene-an interconnected N-doped 3D carbon framework as a highly efficient gas cathode in Liâ€“CO₂ batteries. Energy and Environmental Science, 2019, 12, 1046-1054.	30.8	115
57	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. CrystEngComm, 2016, 18, 4236-4258.	2.6	110
58	Ferroceneâ€Linkageâ€Facilitated Charge Separation in Conjugated Microporous Polymers. Angewandte Chemie - International Edition, 2019, 58, 4221-4226.	13.8	109
59	Metalâ€Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability. Advanced Materials, 2016, 28, 5837-5843.	21.0	108
60	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.	10.3	102
61	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.	4.1	101
62	Highly Porous ZIF-8 Nanocrystals Prepared by a Surfactant Mediated Method in Aqueous Solution with Enhanced Adsorption Kinetics. ACS Applied Materials & Interfaces, 2014, 6, 14994-14999.	8.0	101
63	A malonitrile-functionalized metal-organic framework for hydrogen sulfide detection and selective amino acid molecular recognition. Scientific Reports, 2014, 4, 4366.	3.3	100
64	Nickel-substituted zeolitic imidazolate frameworks for time-resolved alcohol sensing and photocatalysis under visible light. Journal of Materials Chemistry A, 2014, 2, 5724-5729.	10.3	98
65	MOFs and COFs for Batteries and Supercapacitors. Electrochemical Energy Reviews, 2020, 3, 81-126.	25.5	98
66	An Ironâ€Containing Metalâ€“Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. Angewandte Chemie - International Edition, 2018, 57, 16416-16420.	13.8	97
67	Facile Fabrication of Multifunctional Metalâ€“Organic Framework Hollow Tubes To Trap Pollutants. Journal of the American Chemical Society, 2017, 139, 16482-16485.	13.7	96
68	Decarboxylationâ€Induced Defects in MOFâ€Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. Angewandte Chemie - International Edition, 2021, 60, 21685-21690.	13.8	94
69	Wearable Thermoelectric Power Generators Combined With Flexible Supercapacitor for Low-Power Human Diagnosis Devices. IEEE Transactions on Industrial Electronics, 2017, 64, 1477-1485.	7.9	90
70	The Synthesis of Hexaazatrinaphthyleneâ€Based 2D Conjugated Copper Metalâ€Organic Framework for Highly Selective and Stable Electroreduction of CO₂ to Methane. Angewandte Chemie - International Edition, 2021, 60, 16409-16415.	13.8	87
71	Sophisticated Design of Covalent Organic Frameworks with Controllable Bimetallic Docking for a Cascade Reaction. Chemistry - A European Journal, 2016, 22, 9087-9091.	3.3	86
72	Covalent Organic Frameworks with Record Pore Apertures. Journal of the American Chemical Society, 2022, 144, 5145-5154.	13.7	85

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73	An effective approach to improve the electrochemical performance of LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ cathode by an MOF-derived coating. Journal of Materials Chemistry A, 2016, 4, 5823-5827.	10.3	84
74	Recent advances of covalent organic frameworks in electronic and optical applications. Chinese Chemical Letters, 2016, 27, 1383-1394.	9.0	76
75	Metalâ€“Organic Frameworks (MOFs) as Sandwich Coating Cushion for Silicon Anode in Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 26608-26613.	8.0	75
76	Three New Imidazoleâ€Functionalized Hexanuclear Oxidovanadium Clusters with Exceptional Catalytic Oxidation Properties for Alcohols. Chemistry - A European Journal, 2013, 19, 4408-4413.	3.3	73
77	Chirality from substitution: enantiomer separation via a modified metalâ€“organic framework. Journal of Materials Chemistry A, 2015, 3, 12145-12148.	10.3	73
78	An Ironâ€Containing Metalâ€“Organic Framework as a Highly Efficient Catalyst for Ozone Decomposition. Angewandte Chemie, 2018, 130, 16654-16658.	2.0	73
79	Large Ï€-Conjugated Porous Frameworks as Cathodes for Sodium-Ion Batteries. Journal of Physical Chemistry Letters, 2018, 9, 3205-3211.	4.6	69
80	Metalâ€“Organic Framework Assisted and Tumor Microenvironment Modulated Synergistic Imageâ€Guided Photoâ€Chemo Therapy. Advanced Functional Materials, 2020, 30, 2002431.	14.9	67
81	A copper(<scp>ii</scp>)-based MOF film for highly efficient visible-light-driven hydrogen production. Journal of Materials Chemistry A, 2016, 4, 7174-7177.	10.3	65
82	A Hydrolytically Stable Vanadium(IV) Metalâ€“Organic Framework with Photocatalytic Bacteriostatic Activity for Autonomous Indoor Humidity Control. Angewandte Chemie - International Edition, 2020, 59, 3905-3909.	13.8	63
83	Tuning the Spin State of the Iron Center by Bridgeâ€Bonded Feâ€Oâ€Ti Ligands for Enhanced Oxygen Reduction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	63
84	Enhanced Proton Conductivity of Imidazole-Doped Thiophene-Based Covalent Organic Frameworks via Subtle Hydrogen Bonding Modulation. ACS Applied Materials & Interfaces, 2020, 12, 22910-22916.	8.0	62
85	Facile fabrication of magnetically recyclable metalâ€“organic framework nanocomposites for highly efficient and selective catalytic oxidation of benzylic Câ€“H bonds. Chemical Communications, 2014, 50, 8374-8377.	4.1	58
86	Construction of Interlayer Conjugated Links in 2D Covalent Organic Frameworks via Topological Polymerization. Journal of the American Chemical Society, 2021, 143, 7897-7902.	13.7	58
87	Mechanism of the Cycloaddition of Carbon Dioxide and Epoxides Catalyzed by Cobaltâ€Substituted 12â€Tungstenphosphate. Chemistry - A European Journal, 2012, 18, 9870-9876.	3.3	56
88	A Heat-Resistant and Energetic Metalâ€“Organic Framework Assembled by Chelating Ligand. ACS Applied Materials & Interfaces, 2017, 9, 37542-37547.	8.0	55
89	Threeâ€Dimensional Anionic Cyclodextrinâ€Based Covalent Organic Frameworks. Angewandte Chemie, 2017, 129, 16531-16535.	2.0	54
90	Fabrication of Copper Azide Film through Metalâ€“Organic Framework for Micro-Initiator Applications. ACS Applied Materials & Interfaces, 2019, 11, 8081-8088.	8.0	53

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91	Stable Aluminum Metalâ€“Organic Frameworks (Al-MOFs) for Balanced CO₂ and Water Selectivity. ACS Applied Materials & Interfaces, 2018, 10, 3160-3163.	8.0	52
92	Turning metal-organic frameworks into efficient single-atom catalysts via pyrolysis with a focus on oxygen reduction reaction catalysts. EnergyChem, 2021, 3, 100056.	19.1	51
93	Recent Development and Application of Conductive MOFs. Israel Journal of Chemistry, 2018, 58, 1010-1018.	2.3	50
94	Enhancing Enzyme Activity by the Modulation of Covalent Interactions in the Confined Channels of Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	48
95	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.	5.5	43
96	Aluminum Metalâ€“Organic Frameworks with Photocatalytic Antibacterial Activity for Autonomous Indoor Humidity Control. ACS Applied Materials & Interfaces, 2020, 12, 46057-46064.	8.0	43
97	Metalâ€Organic Frameworks Derived Porous Carbons: Syntheses, Porosity and Gas Sorption Properties. Chinese Journal of Chemistry, 2016, 34, 157-174.	4.9	42
98	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.	18.0	42
99	Cation-Induced Synthesis of New Polyoxopalladates. Inorganic Chemistry, 2012, 51, 4435-4437.	4.0	41
100	Zinc/Nickelâ€Doped Hollow Coreâ€“Shell Co₃O₄ Derived from a Metalâ€“Organic Framework with High Capacity, Stability, and Rate Performance in Lithium/Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2018, 24, 1651-1656.	3.3	40
101	Recent advances in metal-organic frameworks for lithium metal anode protection. Chinese Chemical Letters, 2020, 31, 609-616.	9.0	40
102	Binary Pdâ€“Polyoxometalates and Isolation of a Ternary Pdâ€“Vâ€“Polyoxomolybdate Active Species for Selective Aerobic Oxidation of Alcohols. Chemistry - A European Journal, 2014, 20, 2557-2564.	3.3	39
103	Defect engineering of highly stable lanthanide metalâ€“organic frameworks by particle modulation for coating catalysis. Journal of Materials Chemistry A, 2018, 6, 342-348.	10.3	39
104	Electropolymerization of Molecularâ€Sieving Polythiophene Membranes for H₂ Separation. Angewandte Chemie - International Edition, 2019, 58, 8768-8772.	13.8	39
105	Tumor-Activated and Metalâ€“Organic Framework Assisted Self-Assembly of Organic Photosensitizers. ACS Nano, 2020, 14, 13056-13068.	14.6	38
106	A Flexible Interpenetrated Zirconiumâ€Based Metalâ€“Organic Framework with High Affinity toward Ammonia. ChemSusChem, 2020, 13, 1710-1714.	6.8	36
107	Molecularâ€Sieving Membrane by Partitioning the Channels in Ultrafiltration Membrane by Inâ€…Situ Polymerization. Angewandte Chemie - International Edition, 2020, 59, 4401-4405.	13.8	35
108	Shaping of metal-organic frameworks, a critical step toward industrial applications. Matter, 2022, 5, 1070-1091.	10.0	35

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109	Coordination Polymer Glasses with Lava and Healing Ability for Highâ€Performance Gas Sieving. Angewandte Chemie - International Edition, 2021, 60, 21304-21309.	13.8	33
110	Plasma modification of a Ni based metalâ€“organic framework for efficient hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 8129-8135.	10.3	32
111	Metal-organic frameworks and their derivatives for Liâ€“air batteries. Chinese Chemical Letters, 2020, 31, 635-642.	9.0	32
112	Acid Catalysis in Confined Channels of Metalâ€“Organic Frameworks: Boosting Orthoformate Hydrolysis in Basic Solutions. Journal of the American Chemical Society, 2020, 142, 14848-14853.	13.7	31
113	Dualâ€Redox Sites Guarantee Highâ€Capacity Sodium Storage in Twoâ€Dimension Conjugated Metalâ€“Organic Frameworks. Advanced Functional Materials, 2022, 32, .	14.9	31
114	Improving areal capacity of flexible Liâ€“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.	10.3	30
115	Crystalline Anionic Germanate Covalent Organic Framework for High CO₂ Selectivity and Fast Li Ion Conduction. Chemistry - A European Journal, 2019, 25, 13479-13483.	3.3	29
116	Controlled Synthesis of Polyoxopalladates, and Their Gasâ€Phase Fragmentation Study by Electrospray Ionization Tandem Mass Spectrometry. European Journal of Inorganic Chemistry, 2013, 2013, 3458-3463.	2.0	28
117	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.	9.0	27
118	Tuning Surface Functionalization and Pore Structure of UiO-66 Metalâ€“Organic Framework Nanoparticles for Organic Pollutant Elimination. ACS Applied Nano Materials, 2021, 4, 5486-5495.	5.0	27
119	3D cross-correlative matrix temperature detection and non-invasive thermal mapping based on a molecular probe. Chemical Science, 2014, 5, 4388-4393.	7.4	25
120	Flexible Films of Covalent Organic Frameworks with Ultralow Dielectric Constants under High Humidity. Angewandte Chemie, 2018, 130, 16739-16743.	2.0	25
121	AIBN-Promoted Synthesis of Bibenzo[b][1,4]thiazines by the Condensation of 2,2â€²-Dithiodianiline with Methyl Aryl Ketones. Organic Letters, 2018, 20, 3332-3336.	4.6	25
122	Macrocyclic Arenesâ€Based Conjugated Macrocycle Polymers for Highly Selective CO₂ Capture and Iodine Adsorption. Angewandte Chemie, 2021, 133, 9049-9057.	2.0	24
123	Syntheses of Covalent Organic Frameworks via a Oneâ€Pot Suzuki Coupling and Schiff's Base Reaction for C₂H₄/C₃H₆ Separation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
124	Promoting the Electrocatalytic Reduction of CO₂ on Ultrathin Porous Bismuth Nanosheets with Tunable Surface-Active Sites and Local pH Environments. ACS Applied Materials & Interfaces, 2022, 14, 10648-10655.	8.0	23
125	Positronium formation in porous materials for antihydrogen production. Journal of Physics: Conference Series, 2010, 225, 012007.	0.4	22
126	A Solventâ€Free Hotâ€Pressing Method for Preparing Metalâ€“Organicâ€Framework Coatings. Angewandte Chemie, 2016, 128, 3480-3484.	2.0	22

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127	Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. Angewandte Chemie, 2019, 131, 15889-15893.	2.0	22
128	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.	8.0	22
129	Engineering of catalytically active sites in photoactive metalâ€“organic frameworks. Coordination Chemistry Reviews, 2022, 465, 214561.	18.8	22
130	Efficient and highly-selective cycloaddition of epoxides with carbonyl compound over Wellsâ€“Dawson type heteropolyacids. Journal of Molecular Catalysis A, 2005, 236, 72-76.	4.8	20
131	A Tale of Copper Coordination Frameworks: Controlled Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformations and Their Catalytic Cï£¿H Bond Activation Properties. Chemistry - A European Journal, 2015, 21, 13894-13899.	3.3	20
132	MOF derived composites for cathode protection: coatings of LiCoO₂ from UiO-66 and MIL-53 as ultra-stable cathodes. Chemical Communications, 2015, 51, 12391-12394.	4.1	20
133	Electropolymerization of Molecularâ€Sieving Polythiophene Membranes for H₂ Separation. Angewandte Chemie, 2019, 131, 8860-8864.	2.0	20
134	Large-Scale Production of MOF-Derived Coatings for Functional Interlayers in High-Performance Liâ€“S Batteries. ACS Applied Energy Materials, 2018, 1, 6986-6991.	5.1	19
135	Defect Engineering in Metalâ'Organic Frameworks as Futuristic Options for Purification of Pollutants in an Aqueous Environment. Frontiers in Chemistry, 2021, 9, 673738.	3.6	19
136	Metalâ€“organic frameworks constructed from mixed infinite inorganic units and adenine. CrystEngComm, 2014, 16, 3082.	2.6	18
137	Post-oxidation of a fully conjugated benzotrithiophene-based COF for photocatalytic detoxification of a sulfur mustard simulant. Journal of Materials Chemistry A, 2022, 10, 13325-13332.	10.3	18
138	Metalâ€“Organic Framework-Derived Trimetallic Nanocomposites as Efficient Bifunctional Oxygen Catalysts for Zincâ€“Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 33209-33217.	8.0	17
139	Design and synthesis of noble metalâ€“based electrocatalysts using metalâ€“organic frameworks and derivatives. Materials Today Nano, 2022, 17, 100144.	4.6	17
140	Decarboxylationâ€Induced Defects in MOFâ€Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. Angewandte Chemie, 2021, 133, 21853-21858.	2.0	16
141	Synergistic Effects of Inorganicâ€“Organic Protective Layer for Robust Cycling Dendrite-Free Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 844-850.	8.0	15
142	Tuning the Spin State of the Iron Center by Bridgeâ€Bonded Feâ€Oâ€Ti Ligands for Enhanced Oxygen Reduction. Angewandte Chemie, 2022, 134, .	2.0	15
143	A porous Î²-cyclodextrin-based terpolymer fluorescence sensor for in situ trinitrophenol detection. RSC Advances, 2019, 9, 8073-8080.	3.6	14
144	Controlled solvothermal synthesis of novel organic functionalized polyoxovanadates. Dalton Transactions, 2012, 41, 6910.	3.3	13

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145	The Synthesis of Hexaazatrinaphthyleneâ€Based 2D Conjugated Copper Metalâ€Organic Framework for Highly Selective and Stable Electroreduction of CO₂ to Methane. Angewandte Chemie, 2021, 133, 16545-16551.	2.0	13
146	Incorporating Fe-O cluster in multivariate (MTV) metalâ€“organic frameworks for promoting visible-light photo-Fenton degradation of micropollutants from water. Chemical Engineering Journal, 2022, 446, 137446.	12.7	13
147	Efficient Synthesis of Î³â€Lactones by Cobaltâ€Catalyzed Carbonylative Ring Expansion of Oxetanes under Syngas Atmosphere. ChemCatChem, 2020, 12, 5898-5902.	3.7	12
148	Metalâ€Triazolateâ€Frameworkâ€Derived FeN₄Cl₁ Singleâ€Atom Catalysts with Hierarchical Porosity for the Oxygen Reduction Reaction. Angewandte Chemie, 2021, 133, 27530-27535.	2.0	12
149	Ruthenium-catalyzed remote C5-sulfonation of N-alkyl-8-aminoquinolines. Organic and Biomolecular Chemistry, 2019, 17, 7564-7568.	2.8	11
150	Ferroceneâ€Linkageâ€Facilitated Charge Separation in Conjugated Microporous Polymers. Angewandte Chemie, 2019, 131, 4265-4270.	2.0	11
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