Hong-Cai Zhou

List of Publications by Year
in descending order

530 papers	99,819 citations	209 140 h-index	160 308 g-index
568 all docs	568 docs citations	568 times ranked	45501 citing authors

#	Article	IF	Citations
1	N-Alkylation through the Borrowing Hydrogen Pathway Catalyzed by the Metalâ€“Organic Framework-Supported Iridiumâ€“Monophosphine Complex. ACS Applied Materials & Interfaces, 2025, 17, 17775-17782.	8.1	2
2	Modular Construction of Multivariate Metalâ€“Organic Frameworks for Luminescent Sensing. Journal of the American Chemical Society, 2025, 147, 3866-3873.	15.7	0
3	ACS Materials Letters: Highlights of 2024 and Whatâ€™s Ahead. , 2025, 7, 576-576.		0
4	Metalâ€“Organic Frameworks for Water Harvesting and Concurrent Carbon Capture: A Review for Hygroscopic Materials. Advanced Materials, 2024, 36, .	24.7	66
5	Bridging Homogeneous and Heterogeneous Catalysis: Phosphineâ€Functionalized Metalâ€Organic Frameworks. Angewandte Chemie - International Edition, 2024, 63, .	15.0	13
6	Bridging Homogeneous and Heterogeneous Catalysis: Phosphineâ€Functionalized Metalâ€Organic Frameworks. Angewandte Chemie, 2024, 136, .	1.5	1
7	Integrating Photoactive Ligands into Crystalline Ultrathin 2D Metalâ€“Organic Framework Nanosheets for Efficient Photoinduced Energy Transfer. Journal of the American Chemical Society, 2024, 146, 1491-1500.	15.7	15
8	Integrating Photoactive Ligands into Dimension-Reduced Metalâ€“Organic Frameworks: Harnessing the Power of Organic Photocatalysts. Accounts of Materials Research, 2024, 5, 236-248.	12.8	5
9	Exceptionally High Perfluorooctanoic Acid Uptake in Water by a Zirconium-Based Metalâ€“Organic Framework through Synergistic Chemical and Physical Adsorption. Journal of the American Chemical Society, 2024, 146, 9811-9818.	15.7	20
10	A Robust Pyrazolate Metalâ€“Organic Framework for Efficient Catalysis of Dehydrogenative Câ€“O Cross Coupling Reaction. Journal of the American Chemical Society, 2024, 146, 14174-14181.	15.7	14
11	Chiral Linker Installation in a Metalâ€“Organic Framework for Enantioselective Luminescent Sensing. Journal of the American Chemical Society, 2024, 146, 15446-15452.	15.7	30
12	Tuning redox activity in metalâ€“organic frameworks: From structure to application. Coordination Chemistry Reviews, 2024, 517, 216004.	23.3	11
13	Current trends and advancements in crystallization and single-crystal structural analysis of small molecules. Coordination Chemistry Reviews, 2024, 517, 216035.	23.3	1
14	Zirconiumâ€Based Metalâ€“Organic Frameworks with Free Hydroxy Groups for Enhanced Perfluorooctanoic Acid Uptake in Water. Advanced Materials, 2024, 36, .	24.7	4
15	Synergistic Effects of Titanium-Based MOFs MIL-125 with Intumescent Flame Retardants in ABS Polymer Composites on Flame Retardancy Study. Fire, 2024, 7, 284.	2.6	0
16	Sequential Linker Installation in Metalâ€“Organic Frameworks. Accounts of Chemical Research, 2024, 57, 3217-3226.	17.7	5
17	Lithium extraction by metalâ€“organic frameworks. Inorganic Chemistry Frontiers, 2024, 11, 8589-8601.	6.3	0
18	A robust pyrazolate metalâ€“organic framework for integrated perfluorooctanoic acid concentration and degradation. Nature Water, 2024, 2, 1218-1225.	11.2	1

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19	Revisiting Competitive Adsorption of Small Molecules in the Metalâ€“Organic Framework Ni-MOF-74. Inorganic Chemistry, 2023, 62, 950-956.	4.6	7
20	Monitoring the Activation of Open Metal Sites in [Fe_xM_{3â€“x}(Î¼₃-O)] Cluster-Based Metalâ€“Organic Frameworks by Single-Crystal X-ray Diffraction. Journal of the American Chemical Society, 2023, 145, 4736-4745.	15.7	25
21	Preparation and quantitative analysis of multicenter luminescence materials for sensing function. Nature Protocols, 2023, 18, 1621-1640.	14.6	70
22	Synthesis of Fluoro-Bridged Ho³⁺ and Gd³⁺ 1,3,5-Tris(4-carboxyphenyl)benzene Metalâ€“Organic Frameworks from Perfluoroalkyl Substances. Inorganic Chemistry, 2023, 62, 4314-4321.	4.6	9
23	Transformation of a copper-based metalâ€“organic polyhedron into a mixed linker MOF for CO₂ capture. Dalton Transactions, 2023, 52, 4415-4422.	3.2	22
24	Bioinspired Framework Catalysts: From Enzyme Immobilization to Biomimetic Catalysis. Chemical Reviews, 2023, 123, 5347-5420.	54.6	164
25	Facile and Scalable Synthesis of Metal- and Nitrogen-Doped Carbon Nanotubes for Efficient Electrochemical CO₂ Reduction. ACS Sustainable Chemistry and Engineering, 2023, 11, 7231-7243.	7.0	4
26	Ortho Effects of Tricarboxylate Linkers in Regulating Topologies of Rare-Earth Metalâ€“Organic Frameworks. Jacs Au, 2023, 3, 1337-1347.	8.2	16
27	Aluminum metalâ€“organic frameworks: From structures to applications. Coordination Chemistry Reviews, 2023, 489, 215175.	23.3	72
28	Engineered MOF-Enzyme Nanocomposites for Tumor Microenvironment-Activated Photodynamic Therapy with Self-Luminescence and Oxygen Self-Supply. ACS Applied Materials & Interfaces, 2023, 15, 25369-25381.	8.1	15
29	Yolkâ€“Shell and Hollow Zr/Ce-UiO-66 for Manipulating Selectivity in Tandem Reactions and Photoreactions. Journal of the American Chemical Society, 2023, 145, 17164-17175.	15.7	25
30	Magnetically Induced Binary Ferrocene with Oxidized Iron. Journal of the American Chemical Society, 2023, 145, 18029-18035.	15.7	4
31	PTFE nanocoating on Cu nanoparticles through dry processing to enhance electrochemical conversion of CO₂ towards multi-carbon products. Journal of Materials Chemistry A, 2023, 11, 26252-26264.	9.3	6
32	Investigating the Cell Entry Mechanism, Disassembly, and Toxicity of the Nanocage PCC-1: Insights into Its Potential as a Drug Delivery Vehicle. Journal of the American Chemical Society, 2023, 145, 27690-27701.	15.7	9
33	Unexpected structural/motional mode of water intercalated into an Î±â€crystalline zirconium phosphate deduced by ³¹P and ²H solidâ€state MAS NMR spectra. Magnetic Resonance in Chemistry, 2022, 60, 189-195.	1.6	4
34	Structural Manipulation of a Zirconoceneâ€Based Porous Coordination Cage Using External and Hostâ€“Guest Stimuli. Small Structures, 2022, 3, .	11.1	16
35	Enhancing the photothermal conversion of tetrathiafulvalene-based MOFs by redox doping and plasmon resonance. Chemical Science, 2022, 13, 1657-1664.	7.5	42
36	Light-induced switchable adsorption in azobenzene- and stilbene-based porous materials. Trends in Chemistry, 2022, 4, 32-47.	9.8	21

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37	Homogeneously Mixing Different Metalâ€“Organic Framework Structures in Single Nanocrystals through Forming Solid Solutions. ACS Central Science, 2022, 8, 184-191.	9.6	22
38	Influence of Metal Identity on Light-Induced Switchable Adsorption in Azobenzene-Based Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2022, 14, 11192-11199.	8.1	19
39	Elucidating structure and dynamics of crystalline Î±â€zirconium phosphates intercalated with water and methanol by multinuclear solidâ€state MAS NMR: A comprehensive NMR approach. Magnetic Resonance in Chemistry, 2022, 60, 541-553.	1.6	8
40	Metalâ€Organic Frameworkâ€Based Nanoheater with Photoâ€Triggered Cascade Effects for Onâ€Demand Suppression of Cellular Thermoresistance and Synergistic Cancer Therapy. Advanced Healthcare Materials, 2022, 11, .	8.9	13
41	Superparamagnetic iron oxide-enclosed hollow gold nanostructure with tunable surface plasmon resonances to promote near-infrared photothermal conversion. Advanced Composites and Hybrid Materials, 2022, 5, 2387-2398.	19.7	32
42	Reactive High-Valent Iron Intermediates in Enhancing Treatment of Water by Ferrate. Environmental Science & Technology, 2022, 56, 30-47.	11.3	95
43	Thermal Stability of Metalâ€“Organic Frameworks (MOFs): Concept, Determination, and Model Prediction Using Computational Chemistry and Machine Learning. Industrial & Engineering Chemistry Research, 2022, 61, 5853-5862.	4.0	36
44	Hydronium Ions on the Surface of a Partially Hydrolyzed Î±-Zirconium Phosphate: Solid-State ²H and ³¹P MAS NMR Evidence. Inorganic Chemistry, 2022, 61, 6715-6719.	4.6	3
45	Enantioseparation in Hierarchically Porous Assemblies of Homochiral Cages. ACS Central Science, 2022, 8, 562-570.	9.6	17
46	Linker Scissoring Strategy Enables Precise Shaping of Metalâ€“Organic Frameworks for Chromatographic Separation. Angewandte Chemie, 2022, 134, .	1.5	1
47	Integrated Photocatalytic Reduction and Oxidation of Perfluorooctanoic Acid by Metalâ€“Organic Frameworks: Key Insights into the Degradation Mechanisms. Journal of the American Chemical Society, 2022, 144, 11840-11850.	15.7	94
48	Linker Scissoring Strategy Enables Precise Shaping of Metalâ€“Organic Frameworks for Chromatographic Separation. Angewandte Chemie - International Edition, 2022, 61, .	15.0	22
49	Progress, Opportunities, and Challenges of Magneto-Plasmonic Nanoparticles under Remote Magnetic and Light Stimulation for Brain-Tissue and Cellular Regeneration. Nanomaterials, 2022, 12, 2242.	4.2	6
50	Competitive Adsorption of NH₃ and H₂O in Metalâ€“Organic Framework Materials: MOF-74. Chemistry of Materials, 2022, 34, 7906-7915.	6.9	15
51	Titelbild: Linker Scissoring Strategy Enables Precise Shaping of Metalâ€“Organic Frameworks for Chromatographic Separation (Angew. Chem. 37/2022). Angewandte Chemie, 2022, 134, .	1.5	0
52	A scalable solid-state nanoporous network with atomic-level interaction design for carbon dioxide capture. Science Advances, 2022, 8, .	11.3	34
53	Organo-macrocycle-containing hierarchical metalâ€“organic frameworks and cages: design, structures, and applications. Chemical Society Reviews, 2022, 51, 8378-8405.	38.2	67
54	Photoinduced reversible phase transition in a phenothiazine-based metal-organic framework. Cell Reports Physical Science, 2022, 3, 101074.	5.1	5

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55	Three-Dimensional Covalent Organic Frameworks with she Topology. Journal of the American Chemical Society, 2022, 144, 18511-18517.	15.7	93
56	Creating hierarchical pores in metalâ€“organic frameworks via postsynthetic reactions. Nature Protocols, 2022, 18, 604-625.	14.6	46
57	Assembling Phenothiazine into a Porous Coordination Cage to Improve Its Photocatalytic Efficiency for Organic Transformations. Angewandte Chemie - International Edition, 2022, 61, .	15.0	16
58	Assembling Phenothiazine into a Porous Coordination Cage to Improve Its Photocatalytic Efficiency for Organic Transformations. Angewandte Chemie, 2022, 134, .	1.5	0
59	Acidic Centers on the Surface of a Crystalline Î±-Sn(IV) Phosphate Characterized by the Solid-State ¹H, ²H, ³¹P, and ¹¹⁹Sn MAS NMR Techniques. Inorganic Chemistry, 2022, 61, 17759-17766.	4.6	5
60	Fluorine extraction from organofluorine molecules to make fluorinated clusters in yttrium MOFs. Chemical Science, 2022, 13, 14285-14291.	7.5	15
61	Metalâ€“organic frameworks based on multicarboxylate linkers. Coordination Chemistry Reviews, 2021, 426, 213542.	23.3	200
62	A Series of Mesoporous Rareâ€Earth Metalâ€“Organic Frameworks Constructed from Organic Secondary Building Units. Angewandte Chemie - International Edition, 2021, 60, 2053-2057.	15.0	52
63	Rareâ€Earth Metal Tetrathiafulvalene Carboxylate Frameworks as Redoxâ€Switchable Singleâ€Molecule Magnets. Chemistry - A European Journal, 2021, 27, 622-627.	3.5	27
64	Metal nanoparticles encapsulated within charge tunable porous coordination cages for hydrogen generation reaction. Catalysis Today, 2021, 374, 12-19.	4.7	7
65	A Series of Mesoporous Rareâ€Earth Metalâ€“Organic Frameworks Constructed from Organic Secondary Building Units. Angewandte Chemie, 2021, 133, 2081-2085.	1.5	1
66	Modulating the stacking modes of nanosized metalâ€“organic frameworks by morphology engineering for isomer separation. Chemical Science, 2021, 12, 4104-4110.	7.5	19
67	Solution-processable porous graphitic carbon from bottom-up synthesis and low-temperature graphitization. Chemical Science, 2021, 12, 8438-8444.	7.5	20
68	Linker Desymmetrization: Access to a Series of Rare-Earth Tetracarboxylate Frameworks with Eight-Connected Hexanuclear Nodes. Journal of the American Chemical Society, 2021, 143, 2784-2791.	15.7	81
69	Thermal decarboxylation for the generation of hierarchical porosity in isostructural metalâ€“organic frameworks containing open metal sites. Materials Advances, 2021, 2, 5487-5493.	4.8	16
70	Biomimetic catalysts of iron-based metalâ€“organic frameworks with high peroxidase-mimicking activity for colorimetric biosensing. Dalton Transactions, 2021, 50, 3854-3861.	3.2	25
71	Metal-organic frameworks for environmental applications. Cell Reports Physical Science, 2021, 2, 100348.	5.1	63
72	Metal Organic Frameworks (MOFs) as Photocatalysts for the Degradation of Agricultural Pollutants in Water. ACS ES&T Engineering, 2021, 1, 804-826.	7.0	111

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73	Controlled Metal Oxide and Porous Carbon Templation Using Metal-Organic Frameworks. Crystal Growth and Design, 2021, 21, 4249-4258.	3.5	3
74	Conductive Metallophthalocyanine Framework Films with High Carrier Mobility as Efficient Chemiresistors. Angewandte Chemie, 2021, 133, 10901-10908.	1.5	8
75	Site-Isolated Azobenzene-Containing Metalâ€“Organic Framework for Cyclopalladated Catalyzed Suzuki-Miyuara Coupling in Flow. ACS Applied Materials & Interfaces, 2021, 13, 51849-51854.	8.1	31
76	Defect Termination in the UiO-66 Family of Metalâ€“Organic Frameworks: The Role of Water and Modulator. Journal of the American Chemical Society, 2021, 143, 6328-6332.	15.7	104
77	Metalâ€“Organic Frameworks as Versatile Platforms for Organometallic Chemistry. Inorganics, 2021, 9, 27.	2.8	18
78	Conductive Metallophthalocyanine Framework Films with High Carrier Mobility as Efficient Chemiresistors. Angewandte Chemie - International Edition, 2021, 60, 10806-10813.	15.0	94
79	Morphology Transcription in Hierarchical MOF-on-MOF Architectures. , 2021, 3, 738-743.		17
80	Hazard Evaluation of Metalâ€“Organic Framework Synthesis and Scale-up: A Laboratory Safety Perspective. Journal of Chemical Health and Safety, 2021, 28, 358-368.	3.3	17
81	Coordination-based molecular nanomaterials for biomedically relevant applications. Coordination Chemistry Reviews, 2021, 438, 213752.	23.3	20
82	Metalâ€“Organic Framework-Based Hierarchically Porous Materials: Synthesis and Applications. Chemical Reviews, 2021, 121, 12278-12326.	54.6	948
83	Superparamagnetic iron oxideâ€“gold nanoparticles conjugated with porous coordination cages: Towards controlled drug release for non-invasive neuroregeneration. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 35, 102392.	3.7	12
84	Ligand-Directed Conformational Control over Porphyrinic Zirconium Metalâ€“Organic Frameworks for Size-Selective Catalysis. Journal of the American Chemical Society, 2021, 143, 12129-12137.	15.7	86
85	One-Step Chemical Vapor Deposition Synthesis of Hierarchical Ni and N Co-Doped Carbon Nanosheet/Nanotube Hybrids for Efficient Electrochemical CO₂ Reduction at Commercially Viable Current Densities. ACS Catalysis, 2021, 11, 10333-10344.	12.7	39
86	Large Cumulative Capacity Enabled by Regulating Lithium Plating with Metalâ€“Organic Framework Layers on Porous Carbon Nanotube Scaffolds. Advanced Functional Materials, 2021, 31, .	17.1	22
87	Homochiral Dodecanuclear Lanthanide â€œCage in Cageâ€•for Enantioselective Separation. Journal of the American Chemical Society, 2021, 143, 12560-12566.	15.7	76
88	Evolution of porous materials from ancient remedies to modern frameworks. Communications Chemistry, 2021, 4, .	5.8	37
89	Tuning the Adsorption Properties of Metalâ€“Organic Frameworks through Coadsorbed Ammonia. ACS Applied Materials & Interfaces, 2021, 13, 43661-43667.	8.1	9
90	Enhancing water permeability with super-hydrophilic metalâ€“organic frameworks and hydrophobic straight pores. Environmental Science: Water Research and Technology, 2021, 7, 1137-1145.	1.8	3

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91	Stable Bimetallic Polyphthalocyanine Covalent Organic Frameworks as Superior Electrocatalysts. Journal of the American Chemical Society, 2021, 143, 18052-18060.	15.7	179
92	Precise Spatialâ€Designed Metalâ€Organicâ€Framework Nanosheets for Efficient Energy Transfer and Photocatalysis. Angewandte Chemie, 2021, 133, 27464-27469.	1.5	7
93	Precise Spatialâ€Designed Metalâ€Organicâ€Framework Nanosheets for Efficient Energy Transfer and Photocatalysis. Angewandte Chemie - International Edition, 2021, 60, 27258-27263.	15.0	62
94	Flammability and Thermal Kinetic Analysis of UiO-66-Based PMMA Polymer Composites. Polymers, 2021, 13, 4113.	4.7	16
95	Switching in Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2020, 59, 4652-4669.	15.0	241
96	Schalten in Metallâ€organischen GerÃ¼sten. Angewandte Chemie, 2020, 132, 4680-4699.	1.5	22
97	Multielectron transportation of polyoxometalate-grafted metalloporphyrin coordination frameworks for selective CO2-to-CH4 photoconversion. National Science Review, 2020, 7, 53-63.	10.0	145
98	Hierarchically porous metalâ€“organic frameworks: synthetic strategies and applications. National Science Review, 2020, 7, 1743-1758.	10.0	199
99	Seed-mediated evolution of hierarchical metalâ€“organic framework quaternary superstructures. Chemical Science, 2020, 11, 1643-1648.	7.5	41
100	Aromatic porous polymer network membranes for organic solvent nanofiltration under extreme conditions. Journal of Materials Chemistry A, 2020, 8, 15891-15899.	9.3	40
101	Zirconium metalâ€“organic frameworks incorporating tetrathiafulvalene linkers: robust and redox-active matrices for in situ confinement of metal nanoparticles. Chemical Science, 2020, 11, 1918-1925.	7.5	51
102	Rigid Ladder-Type Porous Polymer Networks for Entropically Favorable Gas Adsorption. , 2020, 2, 49-54.		30
103	Enhancing the separation efficiency of a C₂H₂/C₂H₄ mixture by a chromium metalâ€“organic framework fabricated via post-synthetic metalation. Journal of Materials Chemistry A, 2020, 8, 2083-2089.	9.3	48
104	Strategies for Pore Engineering in Zirconium Metal-Organic Frameworks. CheM, 2020, 6, 2902-2923.	16.6	114
105	Separation using self-assembled materials. MRS Bulletin, 2020, 45, 823-831.	4.4	4
106	Destruction of Metalâ€“Organic Frameworks: Positive and Negative Aspects of Stability and Lability. Chemical Reviews, 2020, 120, 13087-13133.	54.6	401
107	Unveiling Single Atom Nucleation for Isolating Ultrafine fcc Ru Nanoclusters with Outstanding Dehydrogenation Activity. Advanced Energy Materials, 2020, 10, .	22.7	37
108	Kinetically Controlled Reticular Assembly of a Chemically Stable Mesoporous Ni(II)-Pyrazolate Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 13491-13499.	15.7	120

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109	Precisely Embedding Active Sites into a Mesoporous Zr-Framework through Linker Installation for High-Efficiency Photocatalysis. Journal of the American Chemical Society, 2020, 142, 15020-15026.	15.7	90
110	A Porphyrinic Zirconium Metalâ€“Organic Framework for Oxygen Reduction Reaction: Tailoring the Spacing between Active-Sites through Chain-Based Inorganic Building Units. Journal of the American Chemical Society, 2020, 142, 15386-15395.	15.7	173
111	All-nanoparticle layer-by-layer coatings for Mid-IR on-chip gas sensing. Chemical Communications, 2020, 56, 14283-14286.	4.2	5
112	Porous Ti-MOF-74 Framework as a Strong-Binding Nitric Oxide Scavenger. Journal of the American Chemical Society, 2020, 142, 16562-16568.	15.7	35
113	Single-atom implanted two-dimensional MOFs as efficient electrocatalysts for the oxygen evolution reaction. Inorganic Chemistry Frontiers, 2020, 7, 4661-4668.	6.3	29
114	Regulating the Topologies of Zirconiumâ€“Organic Frameworks for a Crystal Sponge Applicable to Inorganic Matter. Inorganic Chemistry, 2020, 59, 11940-11944.	4.6	8
115	Metalâ€“Organic Frameworks Based on Group 3 and 4 Metals. Advanced Materials, 2020, 32, .	24.7	91
116	Stepwise Assembly of Turnâ€on Fluorescence Sensors in Multicomponent Metalâ€“Organic Frameworks for inâ€…Vitro Cyanide Detection. Angewandte Chemie, 2020, 132, 9405-9409.	1.5	22
117	Fluorescence Enhancement in the Solid State by Isolating Perylene Fluorophores in Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2020, 12, 26727-26732.	8.1	53
118	Metal oxide decorated porous carbons from controlled calcination of a metalâ€“organic framework. Nanoscale Advances, 2020, 2, 2758-2767.	4.5	15
119	Thermally Activated Adsorption in Metalâ€“Organic Frameworks with a Temperatureâ€Tunable Diffusion Barrier Layer. Angewandte Chemie - International Edition, 2020, 59, 18468-18472.	15.0	12
120	On Librational and Rotational Motions of Aromatic Rings in Layered Sn(IV) and Zr(IV) Phosphonate Materials: A Variable-Temperature 13C, 31P Solid-State NMR Study. Journal of Physical Chemistry Letters, 2020, 11, 4958-4961.	4.6	4
121	Thermally Activated Adsorption in Metalâ€“Organic Frameworks with a Temperatureâ€Tunable Diffusion Barrier Layer. Angewandte Chemie, 2020, 132, 18626-18630.	1.5	0
122	Boosting Interfacial Charge-Transfer Kinetics for Efficient Overall CO₂ Photoreduction via Rational Design of Coordination Spheres on Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 12515-12523.	15.7	364
123	Optimizing Multivariate Metalâ€“Organic Frameworks for Efficient C₂H₂/CO₂ Separation. Journal of the American Chemical Society, 2020, 142, 8728-8737.	15.7	347
124	Hierarchy in Metalâ€“Organic Frameworks. ACS Central Science, 2020, 6, 359-367.	9.6	166
125	Rapid Generation of Hierarchically Porous Metalâ€“Organic Frameworks through Laser Photolysis. Angewandte Chemie - International Edition, 2020, 59, 11349-11354.	15.0	61
126	Rapid Generation of Hierarchically Porous Metalâ€“Organic Frameworks through Laser Photolysis. Angewandte Chemie, 2020, 132, 11445-11450.	1.5	18

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127	Stepwise Assembly of Turnâ€on Fluorescence Sensors in Multicomponent Metalâ€“Organic Frameworks for inâ€...Vitro Cyanide Detection. Angewandte Chemie - International Edition, 2020, 59, 9319-9323.	15.0	121
128	Solventâ€Free Synthesis of Nano Zirconium Phenylphosphonates with Molten Phenylphosphonic Acid. Chemistry - A European Journal, 2020, 26, 6185-6194.	3.5	7
129	Biomedical Integration of Metalâ€“Organic Frameworks. Trends in Chemistry, 2020, 2, 467-479.	9.8	77
130	Engineering a homochiral metalâ€“organic framework based on an amino acid for enantioselective separation. Chemical Communications, 2020, 56, 9016-9019.	4.2	30
131	Functionalization of Zirconiumâ€Based Metalâ€“Organic Layers with Tailored Pore Environments for Heterogeneous Catalysis. Angewandte Chemie, 2020, 132, 18381-18385.	1.5	7
132	Functionalization of Zirconiumâ€Based Metalâ€“Organic Layers with Tailored Pore Environments for Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2020, 59, 18224-18228.	15.0	57
133	Porous Crystalline Spherulite Superstructures. CheM, 2020, 6, 460-471.	16.6	33
134	Catalytic Porphyrin Framework Compounds. Trends in Chemistry, 2020, 2, 555-568.	9.8	120
135	Pyridine-d₅ as a ²H NMR probe for investigation of macrostructure and pore shapes in a layered Sn(<scp>iv</scp>) phosphonateâ€“phosphate material. Chemical Communications, 2020, 56, 3653-3656.	4.2	1
136	An Encapsulation-Rearrangement Strategy to Integrate Superhydrophobicity into Mesoporous Metal-Organic Frameworks. Matter, 2020, 2, 988-999.	13.9	44
137	Continuous Variation of Lattice Dimensions and Pore Sizes in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 4732-4738.	15.7	83
138	Modular Total Synthesis in Reticular Chemistry. Journal of the American Chemical Society, 2020, 142, 3069-3076.	15.7	51
139	Effect of Isomorphic Metal Substitution on the Fenton and Photo-Fenton Degradation of Methylene Blue Using Fe-Based Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2020, 12, 9292-9299.	8.1	127
140	Atomically Dispersed Ironâ€“Nitrogen Sites on Hierarchically Mesoporous Carbon Nanotube and Graphene Nanoribbon Networks for CO₂ Reduction. ACS Nano, 2020, 14, 5506-5516.	15.4	142
141	Crystallographic Visualization of Postsynthetic Nickel Clusters into Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 13654-13663.	15.7	65
142	What IS Inorganic Chemistry?. Inorganic Chemistry, 2019, 58, 9515-9516.	4.6	2
143	Facile Exfoliation of 3D Pillared Metalâ€“Organic Frameworks (MOFs) to Produce MOF Nanosheets with Functionalized Surfaces. Inorganic Chemistry, 2019, 58, 11020-11027.	4.6	63
144	Metal-organic frameworks for capture and degradation of organic pollutants. , 2019, , 203-229.		6

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145	Catalytic reactions within the cavity of coordination cages. Chemical Society Reviews, 2019, 48, 4707-4730.	38.2	372
146	Face-Sharing Archimedean Solids Stacking for the Construction of Mixed-Ligand Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 13841-13848.	15.7	115
147	Metalâ€“Organic Frameworks for Food Safety. Chemical Reviews, 2019, 119, 10638-10690.	54.6	414
148	The chemistry of multi-component and hierarchical framework compounds. Chemical Society Reviews, 2019, 48, 4823-4853.	38.2	218
149	Visible-light harvesting pyrene-based MOFs as efficient ROS generators. Chemical Science, 2019, 10, 8455-8460.	7.5	67
150	Modulation versus Templating: Fineâ€Tuning of Hierarchally Porous PCNâ€250 Using Fatty Acids To Engineer Guest Adsorption. Angewandte Chemie - International Edition, 2019, 58, 12425-12430.	15.0	52
151	High stability of ultra-small and isolated gold nanoparticles in metalâ€“organic framework materials. Journal of Materials Chemistry A, 2019, 7, 17536-17546.	9.3	42
152	Modulation versus Templating: Fineâ€Tuning of Hierarchally Porous PCNâ€250 Using Fatty Acids To Engineer Guest Adsorption. Angewandte Chemie, 2019, 131, 12555-12560.	1.5	2
153	Solvent-Assisted, Thermally Triggered Structural Transformation in Flexible Mesoporous Metalâ€“Organic Frameworks. Chemistry of Materials, 2019, 31, 8787-8793.	6.9	42
154	Molecular Pivotâ€Hinge Installation to Evolve Topology in Rareâ€Earth Metalâ€“Organic Frameworks. Angewandte Chemie, 2019, 131, 16835-16843.	1.5	4
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