Shengchang Xiang

List of Publications by Year
in descending order

193 papers	20,397 citations	13827 67 h-index	10424 139 g-index
202 all docs	202 docs citations	202 times ranked	12589 citing authors

#	Article	IF	Citations
1	Metalâˆ’Organic Frameworks with Functional Pores for Recognition of Small Molecules. Accounts of Chemical Research, 2010, 43, 1115-1124.	7.6	1,919
2	Ethane/ethylene separation in a metal-organic framework with iron-peroxo sites. Science, 2018, 362, 443-446.	6.0	763
3	Microporous metal-organic framework with potential for carbon dioxide capture at ambient conditions. Nature Communications, 2012, 3, 954.	5.8	716
4	Perspective of microporous metalâ€“organic frameworks for CO₂capture and separation. Energy and Environmental Science, 2014, 7, 2868.	15.6	693
5	A Microporous Hydrogen-Bonded Organic Framework for Highly Selective C₂H₂/C₂H₄ Separation at Ambient Temperature. Journal of the American Chemical Society, 2011, 133, 14570-14573.	6.6	559
6	Exploration of porous metalâ€“organic frameworks for gas separation and purification. Coordination Chemistry Reviews, 2019, 378, 87-103.	9.5	538
7	Microporous Metal-Organic Framework Materials for Gas Separation. CheM, 2020, 6, 337-363.	5.8	528
8	Exceptionally High Acetylene Uptake in a Microporous Metalâˆ’Organic Framework with Open Metal Sites. Journal of the American Chemical Society, 2009, 131, 12415-12419.	6.6	510
9	Hydrogen-Bonded Organic Frameworks as a Tunable Platform for Functional Materials. Journal of the American Chemical Society, 2020, 142, 14399-14416.	6.6	444
10	Porous metal-organic frameworks for gas storage and separation: Status and challenges. EnergyChem, 2019, 1, 100006.	10.1	434
11	Microporous metalâ€“organic framework with dual functionalities for highly efficient removal of acetylene from ethylene/acetylene mixtures. Nature Communications, 2015, 6, 7328.	5.8	404
12	A microporous luminescent metalâ€“organic framework for highly selective and sensitive sensing of Cu2+ in aqueous solution. Chemical Communications, 2010, 46, 5503.	2.2	384
13	Functional Mixed Metalâ€“Organic Frameworks with Metalloligands. Angewandte Chemie - International Edition, 2011, 50, 10510-10520.	7.2	384
14	A Flexible Microporous Hydrogen-Bonded Organic Framework for Gas Sorption and Separation. Journal of the American Chemical Society, 2015, 137, 9963-9970.	6.6	360
15	A robust near infrared luminescent ytterbium metalâ€“organic framework for sensing of small molecules. Chemical Communications, 2011, 47, 5551-5553.	2.2	345
16	Open Metal Sites within Isostructural Metalâ€“Organic Frameworks for Differential Recognition of Acetylene and Extraordinarily High Acetylene Storage Capacity at Room Temperature. Angewandte Chemie - International Edition, 2010, 49, 4615-4618.	7.2	344
17	A Metalâ€“Organic Framework with Optimized Open Metal Sites and Pore Spaces for High Methane Storage at Room Temperature. Angewandte Chemie - International Edition, 2011, 50, 3178-3181.	7.2	340
18	Pore Space Partition within a Metalâ€“Organic Framework for Highly Efficient C₂H₂/CO₂ Separation. Journal of the American Chemical Society, 2019, 141, 4130-4136.	6.6	338

#	Article	IF	Citations
19	Interplay of Metalloligand and Organic Ligand to Tune Micropores within Isostructural Mixed-Metal Organic Frameworks (Mâ€²MOFs) for Their Highly Selective Separation of Chiral and Achiral Small Molecules. Journal of the American Chemical Society, 2012, 134, 8703-8710.	6.6	326
20	A Homochiral Microporous Hydrogen-Bonded Organic Framework for Highly Enantioselective Separation of Secondary Alcohols. Journal of the American Chemical Society, 2014, 136, 547-549.	6.6	292
21	Straightforward Loading of Imidazole Molecules into Metalâ€“Organic Framework for High Proton Conduction. Journal of the American Chemical Society, 2017, 139, 15604-15607.	6.6	290
22	A 3D Canted Antiferromagnetic Porous Metalâˆ’Organic Framework with Anatase Topology through Assembly of an Analogue of Polyoxometalate. Journal of the American Chemical Society, 2005, 127, 16352-16353.	6.6	282
23	Metalâ€“Organic Frameworks as a Versatile Platform for Proton Conductors. Advanced Materials, 2020, 32, e1907090.	11.1	255
24	A rod packing microporous metalâ€“organic framework with open metal sites for selective guest sorption and sensing of nitrobenzene. Chemical Communications, 2010, 46, 7205.	2.2	239
25	High Anhydrous Proton Conductivity of Imidazole-Loaded Mesoporous Polyimides over a Wide Range from Subzero to Moderate Temperature. Journal of the American Chemical Society, 2015, 137, 913-918.	6.6	238
26	Ethylene/ethane separation in a stable hydrogen-bonded organic framework through a gating mechanism. Nature Chemistry, 2021, 13, 933-939.	6.6	235
27	A new MOF-505 analog exhibiting high acetylene storage. Chemical Communications, 2009, , 7551.	2.2	231
28	A robust doubly interpenetrated metalâ€“organic framework constructed from a novel aromatic tricarboxylate for highly selective separation of small hydrocarbons. Chemical Communications, 2012, 48, 6493.	2.2	224
29	A Microporous Metalâ€“Organic Framework for Highly Selective Separation of Acetylene, Ethylene, and Ethane from Methane at Room Temperature. Chemistry - A European Journal, 2012, 18, 613-619.	1.7	204
30	Microporous Hydrogen-Bonded Organic Framework for Highly Efficient Turn-Up Fluorescent Sensing of Aniline. Journal of the American Chemical Society, 2020, 142, 12478-12485.	6.6	201
31	Wavelengthâ€Dependent Photochromic Inorganicâ€“Organic Hybrid Based on a 3D Iodoplumbate Openâ€Framework Material. Angewandte Chemie - International Edition, 2008, 47, 4149-4152.	7.2	191
32	Microporous metalâ€“organic frameworks for acetylene storage and separation. CrystEngComm, 2011, 13, 5983.	1.3	163
33	A microporous metalâ€“organic framework with both open metal and Lewis basic pyridyl sites for highly selective C₂H₂/CH₄and C₂H₂/CO₂gas separation at room temperature. Journal of Materials Chemistry A, 2013, 1, 77-81.	5.2	148
34	High Separation Capacity and Selectivity of C₂ Hydrocarbons over Methane within a Microporous Metalâ€“Organic Framework at Room Temperature. Chemistry - A European Journal, 2012, 18, 1901-1904.	1.7	142
35	Integrating the Pillared-Layer Strategy and Pore-Space Partition Method to Construct Multicomponent MOFs for C₂H₂/CO₂ Separation. Journal of the American Chemical Society, 2020, 142, 9258-9266.	6.6	141
36	Design and applications of water-stable metal-organic frameworks: status and challenges. Coordination Chemistry Reviews, 2020, 423, 213507.	9.5	138

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37	A New Approach to Construct a Doubly Interpenetrated Microporous Metalâ€“Organic Framework of Primitive Cubic Net for Highly Selective Sorption of Small Hydrocarbon Molecules. Chemistry - A European Journal, 2011, 17, 7817-7822.	1.7	137
38	A microporous lanthanide-tricarboxylate framework with the potential for purification of natural gas. Chemical Communications, 2012, 48, 10856.	2.2	134
39	A Fan-Shaped Polynuclear Gd6Cu12 Amino Acid Cluster:â€‰ A â€œHollowâ€•and Ferromagnetic [Gd6(Î¼3-OH)8] Octahedral Core Encapsulated by Six [Cu2] Glycinato Blade Fragments. Journal of the American Chemical Society, 2007, 129, 15144-15146.	6.6	128
40	Our journey of developing multifunctional metal-organic frameworks. Coordination Chemistry Reviews, 2019, 384, 21-36.	9.5	126
41	Three-Dimensional Pillar-Layered Copper(II) Metalâˆ’Organic Framework with Immobilized Functional OH Groups on Pore Surfaces for Highly Selective CO₂/CH₄ and C₂H₂/CH₄ Gas Sorption at Room Temperature. Inorganic Chemistry, 2011, 50, 3442-3446.	1.9	115
42	Extraordinary Separation of Acetyleneâ€Containing Mixtures with Microporous Metalâ€“Organic Frameworks with Open O Donor Sites and Tunable Robustness through Control of the Helical Chain Secondary Building Units. Chemistry - A European Journal, 2016, 22, 5676-5683.	1.7	113
43	Metalâ€“organic frameworks with a large breathing effect to host hydroxyl compounds for high anhydrous proton conductivity over a wide temperature range from subzero to 125 Â°C. Journal of Materials Chemistry A, 2016, 4, 4062-4070.	5.2	109
44	Metallic MoS₂ Nanoflowers Decorated Graphene Nanosheet Catalytically Boosts the Volumetric Capacity and Cycle Life of Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2003718.	10.2	105
45	Syntheses, Structures, and Properties of High-Nuclear 3dâˆ’4f Clusters with Amino Acid as Ligand:â€‰ {Gd6Cu24}, {Tb6Cu26}, and {(Ln6Cu24)2Cu} (Ln= Sm, Gd). Inorganic Chemistry, 2006, 45, 7173-7181.	1.9	102
46	Two water-stable lanthanide metalâ€“organic frameworks with oxygen-rich channels for fluorescence sensing of Fe(<scp>iii</scp>) ions in aqueous solution. Dalton Transactions, 2018, 47, 16190-16196.	1.6	101
47	A Robust Highly Interpenetrated Metalâˆ’Organic Framework Constructed from Pentanuclear Clusters for Selective Sorption of Gas Molecules. Inorganic Chemistry, 2010, 49, 8444-8448.	1.9	100
48	A Microporous Metal<i>â€“</i>Organic Framework with Immobilized â€“OH Functional Groups within the Pore Surfaces for Selective Gas Sorption. European Journal of Inorganic Chemistry, 2010, 2010, 3745-3749.	1.0	97
49	Reversible Two-Dimensionalâˆ'Three Dimensional Framework Transformation within a Prototype Metalâˆ'Organic Framework. Crystal Growth and Design, 2009, 9, 5293-5296.	1.4	96
50	Metalo Hydrogenâ€Bonded Organic Frameworks (MHOFs) as New Class of Crystalline Materials for Protonic Conduction. Chemistry - A European Journal, 2019, 25, 1691-1695.	1.7	92
51	Simultaneous implementation of resistive switching and rectifying effects in a metal-organic framework with switched hydrogen bond pathway. Science Advances, 2019, 5, eaaw4515.	4.7	90
52	Novel Structures and Luminescence Properties of Lanthanide Coordination Polymers with a Novel Flexible Polycarboxylate Ligand. Crystal Growth and Design, 2009, 9, 5128-5134.	1.4	88
53	Robustness, Selective Gas Separation, and Nitrobenzene Sensing on Two Isomers of Cadmium Metalâ€“Organic Frameworks Containing Various Metalâ€“Oâ€“Metal Chains. Inorganic Chemistry, 2018, 57, 12961-12968.	1.9	87
54	Origin of Long-Range Ferromagnetic Ordering in Metalâ€“Organic Frameworks with Antiferromagnetic Dimeric-Cu(II) Building Units. Journal of the American Chemical Society, 2012, 134, 17286-17290.	6.6	86

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55	Triple Framework Interpenetration and Immobilization of Open Metal Sites within a Microporous Mixed Metalâ€"Organic Framework for Highly Selective Gas Adsorption. Inorganic Chemistry, 2012, 51, 4947-4953.	1.9	83
56	A cationic microporous metalâ€"organic framework for highly selective separation of small hydrocarbons at room temperature. Journal of Materials Chemistry A, 2013, 1, 9916.	5.2	83
57	Microporous Metalâ€"Organic Framework Stabilized by Balanced Multiple Hostâ€"Couteranion Hydrogen-Bonding Interactions for High-Density CO₂ Capture at Ambient Conditions. Inorganic Chemistry, 2016, 55, 292-299.	1.9	82
58	A New Type of Hybrid Magnetic Semiconductor Based upon Polymeric Iodoplumbate and Metalâˆ'Organic Complexes as Templates. Inorganic Chemistry, 2006, 45, 1972-1977.	1.9	81
59	A novel 2D net-like supramolecular polymer constructed from Ln6Cu24node and trans-Cu(Gly)2bridge. Chemical Communications, 2004, , 1186-1187.	2.2	78
60	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. Journal of Materials Chemistry A, 2017, 5, 8292-8296.	5.2	78
61	A novel mesoporous hydrogen-bonded organic framework with high porosity and stability. Chemical Communications, 2020, 56, 66-69.	2.2	76
62	Mixed-Valence Cobalt(II/III) Metalâ€"Organic Framework for Ammonia Sensing with Naked-Eye Color Switching. ACS Applied Materials & Interfaces, 2018, 10, 27465-27471.	4.0	75
63	New Prototype Isoreticular Metalâˆ'Organic Framework Zn₄O(FMA)₃ for Gas Storage. Inorganic Chemistry, 2009, 48, 4649-4651.	1.9	72
64	A Rare Uninodal 9-Connected Metalâˆ'Organic Framework with Permanent Porosity. Crystal Growth and Design, 2010, 10, 2372-2375.	1.4	71
65	Cobaltâ€"citrate framework armored with graphene oxide exhibiting improved thermal stability and selectivity for biogas decarburization. Journal of Materials Chemistry A, 2015, 3, 593-599.	5.2	71
66	Rationally tuning hostâ€"guest interactions to free hydroxide ions within intertrimerically cuprophilic metalâ€"organic frameworks for high OH^{âˆ'} conductivity. Journal of Materials Chemistry A, 2017, 5, 7816-7824.	5.2	71
67	Hydrogen-bonding 2D metalâ€"organic solids as highly robust and efficient heterogeneous green catalysts for Biginelli reaction. Tetrahedron Letters, 2011, 52, 6220-6222.	0.7	68
68	40-Fold Enhanced Intrinsic Proton Conductivity in Coordination Polymers with the Same Proton-Conducting Pathway by Tuning Metal Cation Nodes. Inorganic Chemistry, 2016, 55, 983-986.	1.9	68
69	Low Cytotoxic Metalâ€"Organic Frameworks as Temperatureâ€Responsive Drug Carriers. ChemPlusChem, 2016, 81, 804-810.	1.3	67
70	Additive-Induced Supramolecular Isomerism and Enhancement of Robustness in Co(II)-Based MOFs for Efficiently Trapping Acetylene from Acetylene-Containing Mixtures. ACS Applied Materials & Interfaces, 2018, 10, 30912-30918.	4.0	67
71	Enhancement of Intrinsic Proton Conductivity and Aniline Sensitivity by Introducing Dye Molecules into the MOF Channel. ACS Applied Materials & Interfaces, 2019, 11, 16490-16495.	4.0	65
72	Microporous Metalâ€"Organic Framework with Dual Functionalities for Efficient Separation of Acetylene from Light Hydrocarbon Mixtures. ACS Sustainable Chemistry and Engineering, 2019, 7, 4897-4902.	3.2	65

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73	The dual-function of hematite-based photoelectrochemical sensor for solar-to-electricity conversion and self-powered glucose detection. Sensors and Actuators B: Chemical, 2020, 310, 127842.	4.0	63
74	A microporous metalâ€“organic framework assembled from an aromatic tetracarboxylate for H2 purification. Journal of Materials Chemistry A, 2013, 1, 2543.	5.2	62
75	Enhanced Intrinsic Proton Conductivity of Metalâ€“Organic Frameworks by Tuning the Degree of Interpenetration. Crystal Growth and Design, 2018, 18, 3724-3728.	1.4	62
76	A microporous metalâ€“organic framework of a rare sty topology for high CH4 storage at room temperature. Chemical Communications, 2013, 49, 2043.	2.2	61
77	Enantioselective ring-opening of meso-epoxides by aromatic amines catalyzed by a homochiral metalâ€“organic framework. Chemical Communications, 2013, 49, 9836.	2.2	60
78	Metastable Interwoven Mesoporous Metalâ€“Organic Frameworks. Inorganic Chemistry, 2013, 52, 11580-11584.	1.9	60
79	Assembled bright green fluorescent zinc coordination polymer. Chemical Communications, 2005, , 5292.	2.2	58
80	Selective gas adsorption within a five-connected porous metalâ€“organic framework. Journal of Materials Chemistry, 2010, 20, 3984.	6.7	58
81	Steric-Hindrance-Controlled Laser Switch Based on Pure Metalâ€“Organic Framework Microcrystals. Journal of the American Chemical Society, 2019, 141, 19959-19963.	6.6	57
82	A microporous aluminum-based metal-organic framework for high methane, hydrogen, and carbon dioxide storage. Nano Research, 2021, 14, 507-511.	5.8	57
83	Significantly Enhanced CO₂/CH₄ Separation Selectivity within a 3D Prototype Metalâ€“Organic Framework Functionalized with OH Groups on Pore Surfaces at Room Temperature. European Journal of Inorganic Chemistry, 2011, 2011, 2227-2231.	1.0	56
84	A Stable Microporous Mixedâ€Metal Metalâ€“Organic Framework with Highly Active Cu²⁺ Sites for Efficient Crossâ€Dehydrogenative Coupling Reactions. Chemistry - A European Journal, 2014, 20, 1447-1452.	1.7	55
85	Structural Diversity of Infinite 3dâ€“4f Heterometallic Cluster Compounds Driven by Various Lanthanide Radii. Chemistry - A European Journal, 2009, 15, 12496-12502.	1.7	54
86	A theoretical study on the chemical bonding of 3d-transition-metal carbides. Solid State Communications, 2002, 121, 411-416.	0.9	51
87	A New Multidentate Hexacarboxylic Acid for the Construction of Porous Metalâˆ’Organic Frameworks of Diverse Structures and Porosities. Crystal Growth and Design, 2010, 10, 2775-2779.	1.4	48
88	Highly Selective Adsorption of C₂/C₁ Mixtures and Solvent-Dependent Thermochromic Properties in Metalâ€“Organic Frameworks Containing Infinite Copper-Halogen Chains. Crystal Growth and Design, 2017, 17, 2081-2089.	1.4	48
89	An Ultramicroporous Hydrogenâ€Bonded Organic Framework Exhibiting High C₂H₂/CO₂Separation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	48
90	Syntheses, crystal structures, and properties of complexes constructed with polybenzoate and 2,2â€²-bibenzimidazole. CrystEngComm, 2006, 8, 281.	1.3	47

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91	Rhodium-Catalyzed NH-Indole-Directed Câ€“H Carbonylation with Carbon Monoxide: Synthesis of 6<i>H</i>-Isoindolo[2,1-<i>a</i>]indol-6-ones. Journal of Organic Chemistry, 2016, 81, 12135-12142.	1.7	47
92	Metalâ€“Organic Framework with Rich Accessible Nitrogen Sites for Highly Efficient CO₂ Capture and Separation. Inorganic Chemistry, 2019, 58, 7754-7759.	1.9	47
93	MOF-derived binary mixed carbon/metal oxide porous materials for constructing simultaneous determination of hydroquinone and catechol sensor. Journal of Solid State Electrochemistry, 2019, 23, 81-89.	1.2	47
94	{[Cu(mtz)]3(CuI)}n:Â An Unprecedented Non-interpenetrated (123)(122Â·14)3Network with Triple-Stranded Helices. Inorganic Chemistry, 2007, 46, 497-500.	1.9	45
95	Two Chiral Nonlinear Optical Coordination Networks Based on Interwoven Two-Dimensional Square Grids of Double Helices. Crystal Growth and Design, 2010, 10, 5291-5296.	1.4	44
96	High proton conductivity in an unprecedented anionic metalloring organic framework (MROF) containing novel metalloring clusters with the largest diameter. Journal of Materials Chemistry A, 2016, 4, 18742-18746.	5.2	44
97	A Microporous Hydrogen-Bonded Organic Framework for Efficient Xe/Kr Separation. ACS Applied Materials & Interfaces, 2022, 14, 19623-19628.	4.0	44
98	Photochromic naphthalene diimide Cd-MOFs based on different second dicarboxylic acid ligands. CrystEngComm, 2018, 20, 7567-7573.	1.3	43
99	Microporous Metalâ€“Organic Framework with Lantern-like Dodecanuclear Metal Coordination Cages as Nodes for Selective Adsorption of C2/C1 Mixtures and Sensing of Nitrobenzene. Crystal Growth and Design, 2015, 15, 3847-3852.	1.4	42
100	A microporous metalâ€“organic framework with polarized trifluoromethyl groups for high methane storage. Chemical Communications, 2015, 51, 14789-14792.	2.2	40
101	Hydrogen-Bonded Organic Framework Microlasers with Conformation-Induced Color-Tunable Output. ACS Applied Materials & Interfaces, 2021, 13, 28662-28667.	4.0	39
102	Threefold Collaborative Stabilization of Ag₁₄â€Nanorods by Hydrophobic Ti₁₆â€Oxo Clusters and Alkynes: Designable Assembly and Solidâ€State Opticalâ€Limiting Application. Angewandte Chemie - International Edition, 2021, 60, 12949-12954.	7.2	38
103	Syntheses, Characterization, and Magnetic Properties of Four New Layered Transition-Metal Hydroxylâ^'Carboxylateâ^'Phosphonates:â€‰ [M(CH(OH)(CO2)(PO3H))(H2O)2] (M = Mn, Fe, Co, Zn). Crystal Growth and Design, 2005, 5, 1795-1799.	1.4	36
104	Three Novel Isomeric Zinc Metalâ€“Organic Frameworks from a Tetracarboxylate Linker. Inorganic Chemistry, 2012, 51, 7066-7074.	1.9	36
105	Novel Microporous Metalâ€“Organic Framework Exhibiting High Acetylene and Methane Storage Capacities. Inorganic Chemistry, 2015, 54, 4377-4381.	1.9	36
106	Two Chiral Metal Clusters Derived from Nucleophilic Addition ofl-proline to Di-2-pyridyl Ketone. Inorganic Chemistry, 2006, 45, 6577-6579.	1.9	35
107	A series of goblet-like heterometallic pentanuclear [LnIIICuII4] clusters featuring ferromagnetic coupling and single-molecule magnet behavior. Chemical Communications, 2012, 48, 10736.	2.2	35
108	MOF/PAN nanofiber-derived N-doped porous carbon materials with excellent electrochemical activity for the simultaneous determination of catechol and hydroquinone. New Journal of Chemistry, 2019, 43, 3913-3920.	1.4	35

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109	Assembly of a Heterometallic Polynuclear SnIVâˆ'CuICluster Based on Sn(edt)2(edt =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74	1.9	34
110	Solvothermal Synthesis, Crystal Structure, and Thermal Stability of Three-Layered Thioantimonate(III) Complexes: [Ni(C3H10N2)3]Sb4S7, [C4H14N2]Sb8S13Â·H2O, and [C6H18N2]Sb10S16Â·H2O. European Journal of Inorganic Chemistry, 2007, 2007, 1606-1612.	1.0	32
111	Multimode stimuli responsive dual-state organic room temperature phosphorescence from a phenanthrene derivative. Chemical Engineering Journal, 2022, 444, 136629.	6.6	32
112	Loading Acidâ€"Base Pairs into Periodic Mesoporous Organosilica for High Anhydrous Proton Conductivity over a Wide Operating Temperature Window. ACS Applied Energy Materials, 2018, 1, 5068-5074.	2.5	31
113	A microporous metalâ€"organic framework with naphthalene diimide groups for high methane storage. Dalton Transactions, 2020, 49, 3658-3661.	1.6	31
114	Pure Metalâ€"Organic Framework Microlasers with Controlled Cavity Shapes. Nano Letters, 2020, 20, 2020-2025.	4.5	31
115	Rhodiumâ€Catalyzed Regioselective <i>Ortho</i> Câˆ'H Olefination of 2â€Arylindoles via NHâ€Indoleâ€Directed Câˆ'H Bond Cleavage. Advanced Synthesis and Catalysis, 2018, 360, 972-984.	2.1	30
116	Microporous metalâ€"organic frameworks with open metal sites and Ï€-Lewis acidic pore surfaces for recovering ethylene from polyethylene off-gas. Journal of Materials Chemistry A, 2018, 6, 20822-20828.	5.2	30
117	Switched Proton Conduction in Metalâ€"Organic Frameworks. Jacs Au, 2022, 2, 1043-1053.	3.6	30
118	Three new cubane-like transition metal complexes of di-2-pyridyl ketone in gem-diol form: Syntheses, crystal structures and properties. Polyhedron, 2006, 25, 1618-1624.	1.0	29
119	Solvent-Assisted Modification to Enhance Proton Conductivity and Water Stability in Metal Phosphonates. Inorganic Chemistry, 2020, 59, 3518-3522.	1.9	29
120	Self-Assembly of Luminescent Sn(IV)/Cu/S Clusters Using Metal Thiolates as Metalloligands. Inorganic Chemistry, 2008, 47, 4054-4059.	1.9	28
121	Isostructural MOFs with Higher Proton Conductivity for Improved Oxygen Evolution Reaction Performance. ACS Applied Materials & Interfaces, 2020, 12, 16367-16375.	4.0	28
122	Pore-space-partitioned MOF separator promotes high-sulfur-loading Liâ€"S batteries with intensified rate capability and cycling life. Journal of Materials Chemistry A, 2021, 9, 26929-26938.	5.2	27
123	Simultaneous defect passivation and hole mobility enhancement of perovskite solar cells by incorporating anionic metal-organic framework into hole transport materials. Chemical Engineering Journal, 2021, 408, 127328.	6.6	26
124	A microporous metalâ€"organic framework with Lewis basic pyridyl sites for selective gas separation of C2H2/CH4 and CO2/CH4 at room temperature. CrystEngComm, 2013, 15, 5232.	1.3	24
125	Reticular Chemistry of Multifunctional Metalâ€Organic Framework Materials. Israel Journal of Chemistry, 2018, 58, 949-961.	1.0	24
126	Framework-Shrinkage-Induced Wavelength-Switchable Lasing from a Single Hydrogen-Bonded Organic Framework Microcrystal. Journal of Physical Chemistry Letters, 2022, 13, 130-135.	2.1	24

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127	Dual-functional hydrogen-bonded organic frameworks for aniline and ultraviolet sensitive detection. Chinese Chemical Letters, 2021, 32, 3109-3112.	4.8	23
128	A novel hydrogen-bonded organic framework for the sensing of two representative organic arsenics. Canadian Journal of Chemistry, 2020, 98, 352-357.	0.6	22
129	Syntheses, characterization and electrical property of a new silver diphosphonate with zeolite-like framework and three-dimensional silver interactions: [Ag4(O3PCH2CH2PO3)]. Journal of Solid State Chemistry, 2004, 177, 4626-4631.	1.4	21
130	Direct Evidence of CO₂ Capture under Low Partial Pressure on a Pillared Metalâ€“Organic Framework with Improved Stabilization through Intramolecular Hydrogen Bonding. ChemPlusChem, 2016, 81, 850-856.	1.3	21
131	An antiferromagnetic metalloring pyrazolate (Pz) framework with [Cu₁₂(Î¼₂-OH)₁₂(Pz)₁₂] nodes for separation of C₂H₂/CH₄ mixture. Journal of Materials Chemistry A, 2018, 6, 19681-19688.	5.2	21
132	Rational Design of New Bright Luminescent Zinc Diphosphonates with 12-Member Ring Channels. Inorganic Chemistry, 2006, 45, 5254-5256.	1.9	20
133	Synthesis and characterization of a novel 3D copper(I) coordination polymer with a ligand generated in situ. Inorganic Chemistry Communication, 2006, 9, 1304-1307.	1.8	20
134	A Threeâ€Dimensional TetraphenylÃetheneâ€Based Metalâ€“Organic Framework for Selective Gas Separation and Luminescence Sensing of Metal Ions. European Journal of Inorganic Chemistry, 2016, 2016, 4470-4475.	1.0	20
135	Hydrogenâ€Bonded Organic Frameworks: Functionalized Construction Strategy by Nitrogenâ€Containing Functional Group. Chemistry - A European Journal, 2022, 28, .	1.7	20
136	A naphthalene diimide-based MOF with mog net featuring photochromic behaviors and high stability. Inorganic Chemistry Communication, 2018, 93, 105-109.	1.8	19
137	High proton conductivity in metalloring-cluster based metal-organic nanotubes. Nano Research, 2021, 14, 387-391.	5.8	19
138	Thermal Conversion of MOF@MOF: Synthesis of an Nâ€Doped Carbon Material with Excellent ORR Performance. ChemPlusChem, 2018, 83, 1044-1051.	1.3	18
139	Amidinium sulfonate hydrogen-bonded organic framework with fluorescence amplification function for sensitive aniline detection. Chinese Chemical Letters, 2022, 33, 4317-4320.	4.8	18
140	Syntheses and characterization of two novel heptanuclear trigonal prismatic LnNi6 clusters with different terminal ligands. Polyhedron, 2006, 25, 1-8.	1.0	17
141	A Hierarchically Porous Metalâ€Organic Framework from Semirigid Ligand for Gas Adsorption. Chinese Journal of Chemistry, 2016, 34, 215-219.	2.6	17
142	Isomorphic MOF-derived porous carbon materials as electrochemical sensor for simultaneous determination of hydroquinone and catechol. Journal of Applied Electrochemistry, 2019, 49, 563-574.	1.5	17
143	Inserting V-Shaped Bidentate Partition Agent into MIL-88-Type Framework for Acetylene Separation from Acetylene-Containing Mixtures. Crystal Growth and Design, 2020, 20, 2099-2105.	1.4	17
144	Twoâ€dimensional Metalâ€organic Frameworks for Electrochemical CO₂Reduction Reaction. ChemCatChem, 2022, 14, .	1.8	17

#	ARTICLE	IF	CITATIONS
145	Electrostatic force-driven lattice water bridging to stabilize a partially charged indium MOF for efficient separation of C₂H₂/CO₂ mixtures. Journal of Materials Chemistry A, 2022, 10, 9363-9369.	5.2	17
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