

Shengchang Xiang

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Structural Isomerization in Cu(I) Clusters: Tracing the Cu Thermal Migration Paths and Unveiling the Structure-Dependent Photoluminescence. <i>CCS Chemistry</i> , 2023, 5, 350-360.	4.6	7
2	Two-dimensional Metal-organic Frameworks for Electrochemical CO ₂ Reduction Reaction. <i>ChemCatChem</i> , 2022, 14, .	1.8	17
3	Multifunctional anionic metal-organic frameworks enhancing stability of perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022, 433, 133587.	6.6	11
4	Mixing halogens improves the passivation effects of amine halide on perovskite. <i>Electrochimica Acta</i> , 2022, 405, 139782.	2.6	2
5	In Situ Etching Strategy to Controllably Fabricate Single-Crystal Metal-organic Framework Microtubes. <i>Crystal Growth and Design</i> , 2022, 22, 1521-1527.	1.4	3
6	Single-phase proton- and electron-conducting Ag-organic coordination polymers for efficient CO ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3216-3225.	5.2	7
7	A Microporous Metal-organic Framework with Channels Constructed from Nonpolar Aromatic Rings for the Selective Separation of Ethane/Ethylene Mixtures. <i>ChemPlusChem</i> , 2022, 87, e202100482.	1.3	1
8	Amidinium sulfonate hydrogen-bonded organic framework with fluorescence amplification function for sensitive aniline detection. <i>Chinese Chemical Letters</i> , 2022, 33, 4317-4320.	4.8	18
9	Electrostatic force-driven lattice water bridging to stabilize a partially charged indium MOF for efficient separation of C ₂ H ₂ /CO ₂ mixtures. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9363-9369.	5.2	17
10	Greatness in Simplicity: Efficient Red Room-Temperature Phosphorescence from Simple Halogenated Maleimides with a 2D Layered Structure. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14703-14711.	4.0	15
11	Two Water Stable Phosphate-Amidinium Based Hydrogen-Bonded Organic Framework with Proton Conduction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2022, 648, .	0.6	5
12	Framework-Shrinkage-Induced Wavelength-Switchable Lasing from a Single Hydrogen-Bonded Organic Framework Microcrystal. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 130-135.	2.1	24
13	Hydrogen-Bonded Organic Frameworks: Functionalized Construction Strategy by Nitrogen-Containing Functional Group. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	20
14	A Microporous Hydrogen-Bonded Organic Framework for Efficient Xe/Kr Separation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19623-19628.	4.0	44
15	Switched Proton Conduction in Metal-organic Frameworks. <i>Jacs Au</i> , 2022, 2, 1043-1053.	3.6	30
16	Isorecticular Double Interpenetrating Copper-Pyrazolate-Carboxylate Frameworks for Efficient CO ₂ Capture. <i>Crystal Growth and Design</i> , 2022, 22, 3853-3861.	1.4	5
17	A photochromic NDI-based framework for the facile hydrazine sensor. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109497.	1.8	3
18	Multimode stimuli responsive dual-state organic room temperature phosphorescence from a phenanthrene derivative. <i>Chemical Engineering Journal</i> , 2022, 444, 136629.	6.6	32

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19	An Ultramicroporous Hydrogen-Bonded Organic Framework Exhibiting High C ₂ H ₂ /CO ₂ Separation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	48
20	High proton conductivity in metalloring-cluster based metal-organic nanotubes. <i>Nano Research</i> , 2021, 14, 387-391.	5.8	19
21	A microporous aluminum-based metal-organic framework for high methane, hydrogen, and carbon dioxide storage. <i>Nano Research</i> , 2021, 14, 507-511.	5.8	57
22	Simultaneous defect passivation and hole mobility enhancement of perovskite solar cells by incorporating anionic metal-organic framework into hole transport materials. <i>Chemical Engineering Journal</i> , 2021, 408, 127328.	6.6	26
23	Controlled Shape Evolution of Pure MOF 1D Microcrystals towards Efficient Waveguide and Laser Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 3297-3301.	1.7	14
24	Mitigation of vacancy with ammonium salt-trapped ZIF-8 capsules for stable perovskite solar cells through simultaneous compensation and loss inhibition. <i>Nanoscale Advances</i> , 2021, 3, 3554-3562.	2.2	13
25	Two Tb-metal organic frameworks with different metal cluster nodes for C ₂ H ₂ /CO ₂ separation. <i>Dalton Transactions</i> , 2021, 50, 4932-4935.	1.6	5
26	Dual-functional hydrogen-bonded organic frameworks for aniline and ultraviolet sensitive detection. <i>Chinese Chemical Letters</i> , 2021, 32, 3109-3112.	4.8	23
27	Lithium Sulfur Batteries: Metallic MoS ₂ Nanoflowers Decorated Graphene Nanosheet Catalytically Boosts the Volumetric Capacity and Cycle Life of Lithium Sulfur Batteries (Adv. Energy) Tj ETQq1 1 007.843144gBT /Ov		
28	Separation and Purification of Xylene by Self-Assembly of a Tunable N ⁺ B Adduct. <i>Crystal Growth and Design</i> , 2021, 21, 3168-3174.	1.4	4
29	Threefold Collaborative Stabilization of Ag ₁₄ Nanorods by Hydrophobic Ti ₁₆ Oxo Clusters and Alkynes: Designable Assembly and Solid State Optical Limiting Application. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12949-12954.	7.2	38
30	Triazine Based MOFs with Abundant N Sites for Selective Nitrobenzene Detection. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1301-1304.	0.6	13
31	Hydrogen-Bonded Organic Framework Microlasers with Conformation-Induced Color-Tunable Output. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28662-28667.	4.0	39
32	Broadband emission of corner-sharing halometalate templated by benzyltrimethylammonium. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108622.	1.8	2
33	Ethylene/ethane separation in a stable hydrogen-bonded organic framework through a gating mechanism. <i>Nature Chemistry</i> , 2021, 13, 933-939.	6.6	235
34	Anhydrous Proton Conduction in Crystalline Porous Materials with a Wide Working Temperature Range. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41363-41371.	4.0	15
35	Metallic MoS ₂ Nanoflowers Decorated Graphene Nanosheet Catalytically Boosts the Volumetric Capacity and Cycle Life of Lithium Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003718.	10.2	105
36	Pore-space-partitioned MOF separator promotes high-sulfur-loading Li-S batteries with intensified rate capability and cycling life. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26929-26938.	5.2	27

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37	Efficient Separation of Acetylene-Containing Mixtures Using ZIF-8 Membranes. ACS Omega, 2021, 6, 33018-33023.	1.6	9
38	Microporous polycarbazole frameworks with large conjugated π systems for cyclohexane separation from cyclohexane-containing mixtures. New Journal of Chemistry, 2021, 45, 22437-22443.	1.4	6
39	A microporous metal-organic framework with naphthalene diimide groups for high methane storage. Dalton Transactions, 2020, 49, 3658-3661.	1.6	31
40	Microporous Metal-Organic Framework Materials for Gas Separation. Chem, 2020, 6, 337-363.	5.8	528
41	A metal-organic framework with double interpenetrated frameworks for effective C ₂ H ₂ /CO ₂ separation. Inorganic Chemistry Communication, 2020, 112, 107721.	1.8	4
42	MOFs-Derived Nano-CuO Modified Electrode as a Sensor for Determination of Hydrazine Hydrate in Aqueous Medium. Sensors, 2020, 20, 140.	2.1	13
43	Design and applications of water-stable metal-organic frameworks: status and challenges. Coordination Chemistry Reviews, 2020, 423, 213507.	9.5	138
44	Hydrogen-Bonded Organic Frameworks as a Tunable Platform for Functional Materials. Journal of the American Chemical Society, 2020, 142, 14399-14416.	6.6	444
45	LiO ₂ /GO Composites with Improved Electrochemical Properties for Effective Detection of Phosphite(P(III)) in Phosphate(P(V)) Buffer Solutions. ChemistrySelect, 2020, 5, 10855-10862.	0.7	2
46	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
47	Isostructural MOFs with Higher Proton Conductivity for Improved Oxygen Evolution Reaction Performance. ACS Applied Materials & Interfaces, 2020, 12, 16367-16375.	4.0	28
48	Preparation and characterization of metal-organic frameworks and their composite Eu ₂ O ₃ @[Zn ₂ (bdc) ₂ dabco] (ZBDh) via pulsed laser ablation in a flowing liquid. CrystEngComm, 2020, 22, 3188-3197.	1.3	2
49	Metal-Organic Frameworks as a Versatile Platform for Proton Conductors. Advanced Materials, 2020, 32, e1907090.	11.1	255
50	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
51	Pure Metal-Organic Framework Microlasers with Controlled Cavity Shapes. Nano Letters, 2020, 20, 2020-2025.	4.5	31
52	Solvent-Assisted Modification to Enhance Proton Conductivity and Water Stability in Metal Phosphonates. Inorganic Chemistry, 2020, 59, 3518-3522.	1.9	29
53	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
54	A microporous metal-organic framework with basic sites for efficient C ₂ H ₂ /CO ₂ separation. Journal of Solid State Chemistry, 2020, 284, 121209.	1.4	13

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55	The dual-function of hematite-based photoelectrochemical sensor for solar-to-electricity conversion and self-powered glucose detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127842.	4.0	63
56	Integrating the Pillared-Layer Strategy and Pore-Space Partition Method to Construct Multicomponent MOFs for C ₂ H ₂ /CO ₂ Separation. <i>Journal of the American Chemical Society</i> , 2020, 142, 9258-9266.	6.6	141
57	Metal organic frameworks composite Eu ₂ O ₃ @ [Zn ₂ (1,4-ndc) ₂ dabco] synthesized by pulsed laser ablation in flowing liquid and its fluorescent sensing of fatty alcohol with different branch chains. <i>Optical Materials</i> , 2020, 105, 109886.	1.7	4
58	A novel mesoporous hydrogen-bonded organic framework with high porosity and stability. <i>Chemical Communications</i> , 2020, 56, 66-69.	2.2	76
59	Simultaneous implementation of resistive switching and rectifying effects in a metal-organic framework with switched hydrogen bond pathway. <i>Science Advances</i> , 2019, 5, eaaw4515.	4.7	90
60	Porous metal-organic frameworks for gas storage and separation: Status and challenges. <i>EnergyChem</i> , 2019, 1, 100006.	10.1	434
61	Synthesis of Seven-Membered Azepino[3,2,1- <i>hi</i>]indoles via Rhodium-Catalyzed Regioselective C-H Activation/1,8-Diazabicyclo[5.4.0]undec-7-ene-Catalyzed Intramolecular Amidation of 7-Phenylindoles in One Pot. <i>Journal of Organic Chemistry</i> , 2019, 84, 14701-14711.	1.7	15
62	A metal organic cage with semi-rigid ligand for heterogeneous alcoholysis of epoxides. <i>Inorganic Chemistry Communication</i> , 2019, 108, 107540.	1.8	8
63	Our journey of developing multifunctional metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2019, 384, 21-36.	9.5	126
64	Metal-Organic Framework with Rich Accessible Nitrogen Sites for Highly Efficient CO ₂ Capture and Separation. <i>Inorganic Chemistry</i> , 2019, 58, 7754-7759.	1.9	47
65	Enhancement of Intrinsic Proton Conductivity and Aniline Sensitivity by Introducing Dye Molecules into the MOF Channel. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16490-16495.	4.0	65
66	Isomorphic MOF-derived porous carbon materials as electrochemical sensor for simultaneous determination of hydroquinone and catechol. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 563-574.	1.5	17
67	Pore Space Partition within a Metal-Organic Framework for Highly Efficient C ₂ H ₂ /CO ₂ Separation. <i>Journal of the American Chemical Society</i> , 2019, 141, 4130-4136.	6.6	338
68	MOF/PAN nanofiber-derived N-doped porous carbon materials with excellent electrochemical activity for the simultaneous determination of catechol and hydroquinone. <i>New Journal of Chemistry</i> , 2019, 43, 3913-3920.	1.4	35
69	Microporous Metal-Organic Framework with Dual Functionalities for Efficient Separation of Acetylene from Light Hydrocarbon Mixtures. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4897-4902.	3.2	65
70	Steric-Hindrance-Controlled Laser Switch Based on Pure Metal-Organic Framework Microcrystals. <i>Journal of the American Chemical Society</i> , 2019, 141, 19959-19963.	6.6	57
71	Metallo Hydrogen-Bonded Organic Frameworks (MHOFs) as New Class of Crystalline Materials for Protonic Conduction. <i>Chemistry - A European Journal</i> , 2019, 25, 1691-1695.	1.7	92
72	MOF-derived binary mixed carbon/metal oxide porous materials for constructing simultaneous determination of hydroquinone and catechol sensor. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 81-89.	1.2	47

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73	Exploration of porous metal-organic frameworks for gas separation and purification. <i>Coordination Chemistry Reviews</i> , 2019, 378, 87-103.	9.5	538
74	Sulfonated periodic-mesoporous-organosilicas column for selective separation of C ₂ H ₂ /CH ₄ mixtures. <i>Journal of Solid State Chemistry</i> , 2018, 264, 113-118.	1.4	12
75	Facile synthesis of oxidized activated carbons for high-selectivity and low-enthalpy CO ₂ capture from flue gas. <i>New Journal of Chemistry</i> , 2018, 42, 4495-4500.	1.4	7
76	Rhodium-Catalyzed Regioselective <i>ortho</i> -C-H Olefination of 2-Arylindoles via NH-Indole-Directed C-H Bond Cleavage. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 972-984.	2.1	30
77	Microporous metal-organic frameworks with open metal sites and π -Lewis acidic pore surfaces for recovering ethylene from polyethylene off-gas. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20822-20828.	5.2	30
78	Two water-stable lanthanide metal-organic frameworks with oxygen-rich channels for fluorescence sensing of Fe(III) ions in aqueous solution. <i>Dalton Transactions</i> , 2018, 47, 16190-16196.	1.6	101
79	Photochromic naphthalene diimide Cd-MOFs based on different second dicarboxylic acid ligands. <i>CrystEngComm</i> , 2018, 20, 7567-7573.	1.3	43
80	Reticular Chemistry of Multifunctional Metal-Organic Framework Materials. <i>Israel Journal of Chemistry</i> , 2018, 58, 949-961.	1.0	24
81	Robustness, Selective Gas Separation, and Nitrobenzene Sensing on Two Isomers of Cadmium Metal-Organic Frameworks Containing Various Metal-O-Metal Chains. <i>Inorganic Chemistry</i> , 2018, 57, 12961-12968.	1.9	87
82	Thermal Conversion of MOF@MOF: Synthesis of an N-Doped Carbon Material with Excellent ORR Performance. <i>ChemPlusChem</i> , 2018, 83, 1044-1051.	1.3	18
83	Ethane/ethylene separation in a metal-organic framework with iron-peroxo sites. <i>Science</i> , 2018, 362, 443-446.	6.0	763
84	An antiferromagnetic metalloring pyrazolate (Pz) framework with [Cu ₁₂ (μ_4 -OH) ₁₂ (Pz) ₁₂] nodes for separation of C ₂ H ₂ /CH ₄ mixture. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19681-19688.	5.2	21
85	A naphthalene diimide-based MOF with mog net featuring photochromic behaviors and high stability. <i>Inorganic Chemistry Communication</i> , 2018, 93, 105-109.	1.8	19
86	Mixed-Valence Cobalt(II/III) Metal-Organic Framework for Ammonia Sensing with Naked-Eye Color Switching. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27465-27471.	4.0	75
87	Loading Acid-Base Pairs into Periodic Mesoporous Organosilica for High Anhydrous Proton Conductivity over a Wide Operating Temperature Window. <i>ACS Applied Energy Materials</i> , 2018, 1, 5068-5074.	2.5	31
88	Additive-Induced Supramolecular Isomerism and Enhancement of Robustness in Co(II)-Based MOFs for Efficiently Trapping Acetylene from Acetylene-Containing Mixtures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30912-30918.	4.0	67
89	Enhanced Intrinsic Proton Conductivity of Metal-Organic Frameworks by Tuning the Degree of Interpenetration. <i>Crystal Growth and Design</i> , 2018, 18, 3724-3728.	1.4	62
90	Highly Selective Adsorption of C ₂ /C ₁ Mixtures and Solvent-Dependent Thermochromic Properties in Metal-Organic Frameworks Containing Infinite Copper-Halogen Chains. <i>Crystal Growth and Design</i> , 2017, 17, 2081-2089.	1.4	48

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91	Rationally tuning host-guest interactions to free hydroxide ions within intertrimerically cuprophilic metal-organic frameworks for high OH ⁻ conductivity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7816-7824.	5.2	71
92	A Cd(II) metal-organic framework based on semi-rigid ligand 3,5-(4-carboxybenzyloxy) benzoic acid with high stability by intramolecular hydrogen-bonding. <i>Inorganic Chemistry Communication</i> , 2017, 80, 49-52.	1.8	11
93	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8292-8296.	5.2	78
94	Straightforward Loading of Imidazole Molecules into Metal-Organic Framework for High Proton Conduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 15604-15607.	6.6	290
95	A Facile Approach to Preparing Molecularly Imprinted Chitosan for Detecting 2,4,6-Tribromophenol with a Widely Linear Range. <i>Environments - MDPI</i> , 2017, 4, 30.	1.5	4
96	Molecularly Imprinted Nanofiber Film for Sensitive Sensing 2,4,6-Tribromophenol. <i>Polymers</i> , 2016, 8, 222.	2.0	9
97	Direct Evidence of CO ₂ Capture under Low Partial Pressure on a Pillared Metal-Organic Framework with Improved Stabilization through Intramolecular Hydrogen Bonding. <i>ChemPlusChem</i> , 2016, 81, 850-856.	1.3	21
98	Extraordinary Separation of Acetylene-Containing Mixtures with Microporous Metal-Organic Frameworks with Open O Donor Sites and Tunable Robustness through Control of the Helical Chain Secondary Building Units. <i>Chemistry - A European Journal</i> , 2016, 22, 5676-5683.	1.7	113
99	A Hierarchically Porous Metal-Organic Framework from Semirigid Ligand for Gas Adsorption. <i>Chinese Journal of Chemistry</i> , 2016, 34, 215-219.	2.6	17
100	Low Cytotoxic Metal-Organic Frameworks as Temperature-Responsive Drug Carriers. <i>ChemPlusChem</i> , 2016, 81, 804-810.	1.3	67
101	Low Cytotoxic Metal-Organic Frameworks as Temperature-Responsive Drug Carriers. <i>ChemPlusChem</i> , 2016, 81, 668-668.	1.3	10
102	High proton conductivity in an unprecedented anionic metalloring organic framework (MROF) containing novel metalloring clusters with the largest diameter. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18742-18746.	5.2	44
103	Rhodium-Catalyzed NH-Indole-Directed C-H Carbonylation with Carbon Monoxide: Synthesis of 6-H-Isoindolo[2,1-a]indol-6-ones. <i>Journal of Organic Chemistry</i> , 2016, 81, 12135-12142.	1.7	47
104	A Three-Dimensional Tetraphenyläthene-Based Metal-Organic Framework for Selective Gas Separation and Luminescence Sensing of Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4470-4475.	1.0	20
105	Microporous Metal-Organic Framework Stabilized by Balanced Multiple Host-Couteranion Hydrogen-Bonding Interactions for High-Density CO ₂ Capture at Ambient Conditions. <i>Inorganic Chemistry</i> , 2016, 55, 292-299.	1.9	82
106	Metal-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 Å°C. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4062-4070.	5.2	109
107	Ultrasensitive sensing of tris(2,3-dibromopropyl) isocyanurate based on the synergistic effect of amino and hydroxyl groups of a molecularly imprinted poly(o-aminophenol) film. <i>New Journal of Chemistry</i> , 2016, 40, 1649-1654.	1.4	7
108	40-Fold Enhanced Intrinsic Proton Conductivity in Coordination Polymers with the Same Proton-Conducting Pathway by Tuning Metal Cation Nodes. <i>Inorganic Chemistry</i> , 2016, 55, 983-986.	1.9	68

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109	Microporous metal-organic framework with dual functionalities for highly efficient removal of acetylene from ethylene/acetylene mixtures. <i>Nature Communications</i> , 2015, 6, 7328.	5.8	404
110	Sensing 2,4,6-tribromophenol based on molecularly imprinted technology. <i>Monatshefte für Chemie</i> , 2015, 146, 485-491.	0.9	4
111	High Anhydrous Proton Conductivity of Imidazole-Loaded Mesoporous Polyimides over a Wide Range from Subzero to Moderate Temperature. <i>Journal of the American Chemical Society</i> , 2015, 137, 913-918.	6.6	238
112	A Flexible Microporous Hydrogen-Bonded Organic Framework for Gas Sorption and Separation. <i>Journal of the American Chemical Society</i> , 2015, 137, 9963-9970.	6.6	360
113	A 3D-diamond-like metal-organic framework: Crystal structure, nonlinear optical effect and high thermal stability. <i>Inorganic Chemistry Communication</i> , 2015, 60, 19-22.	1.8	12
114	Microporous Metal-Organic Framework with Lantern-like Dodecanuclear Metal Coordination Cages as Nodes for Selective Adsorption of C ₂ /C ₁ Mixtures and Sensing of Nitrobenzene. <i>Crystal Growth and Design</i> , 2015, 15, 3847-3852.	1.4	42
115	Novel Microporous Metal-Organic Framework Exhibiting High Acetylene and Methane Storage Capacities. <i>Inorganic Chemistry</i> , 2015, 54, 4377-4381.	1.9	36
116	A microporous metal-organic framework with polarized trifluoromethyl groups for high methane storage. <i>Chemical Communications</i> , 2015, 51, 14789-14792.	2.2	40
117	Cobalt-citrate framework armored with graphene oxide exhibiting improved thermal stability and selectivity for biogas decarburization. <i>Journal of Materials Chemistry A</i> , 2015, 3, 593-599.	5.2	71
118	A Stable Microporous Mixed-Metal Metal-Organic Framework with Highly Active Cu ²⁺ Sites for Efficient Cross-Dehydrogenative Coupling Reactions. <i>Chemistry - A European Journal</i> , 2014, 20, 1447-1452.	1.7	55
119	A Homochiral Microporous Hydrogen-Bonded Organic Framework for Highly Enantioselective Separation of Secondary Alcohols. <i>Journal of the American Chemical Society</i> , 2014, 136, 547-549.	6.6	292
120	A two dimensional microporous metal-organic framework for selective gas separation. <i>Inorganic Chemistry Communication</i> , 2014, 50, 106-109.	1.8	10
121	Perspective of microporous metal-organic frameworks for CO ₂ capture and separation. <i>Energy and Environmental Science</i> , 2014, 7, 2868.	15.6	693
122	Water-compatible imprinted polymers based on CS@SiO ₂ particles for selective recognition of naringin. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	12
123	Synthesis, crystal structure, magnetic and electrochemical studies of two copper complexes with carboxylate rich dinucleating ligand. <i>Inorganica Chimica Acta</i> , 2013, 394, 220-228.	1.2	16
124	Enantioselective ring-opening of meso-epoxides by aromatic amines catalyzed by a homochiral metal-organic framework. <i>Chemical Communications</i> , 2013, 49, 9836.	2.2	60
125	A cationic microporous metal-organic framework for highly selective separation of small hydrocarbons at room temperature. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9916.	5.2	83
126	Metastable Interwoven Mesoporous Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2013, 52, 11580-11584.	1.9	60

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127	The cooperative utilization of imprinting, electro-spinning and a pore-forming agent to synthesise β -cyclodextrin polymers with enhanced recognition of naringin. RSC Advances, 2013, 3, 25396.	1.7	12
128	A microporous metal-organic framework assembled from an aromatic tetracarboxylate for H ₂ purification. Journal of Materials Chemistry A, 2013, 1, 2543.	5.2	62
129	A microporous metal-organic framework with both open metal and Lewis basic pyridyl sites for highly selective C ₂ H ₂ /CH ₄ and C ₂ H ₂ /CO ₂ gas separation at room temperature. Journal of Materials Chemistry A, 2013, 1, 77-81.	5.2	148
130	A microporous metal-organic framework of a rare sty topology for high CH ₄ storage at room temperature. Chemical Communications, 2013, 49, 2043.	2.2	61
131	A microporous metal-organic framework with Lewis basic pyridyl sites for selective gas separation of C ₂ H ₂ /CH ₄ and CO ₂ /CH ₄ at room temperature. CrystEngComm, 2013, 15, 5232.	1.3	24
132	A robust doubly interpenetrated metal-organic framework constructed from a novel aromatic tricarboxylate for highly selective separation of small hydrocarbons. Chemical Communications, 2012, 48, 6493.	2.2	224
133	A microporous lanthanide-tricarboxylate framework with the potential for purification of natural gas. Chemical Communications, 2012, 48, 10856.	2.2	134
134	A series of goblet-like heterometallic pentanuclear [LnIII ₄ CuII] clusters featuring ferromagnetic coupling and single-molecule magnet behavior. Chemical Communications, 2012, 48, 10736.	2.2	35
135	Microporous metal-organic framework with potential for carbon dioxide capture at ambient conditions. Nature Communications, 2012, 3, 954.	5.8	716
136	Three Novel Isomeric Zinc Metal-Organic Frameworks from a Tetracarboxylate Linker. Inorganic Chemistry, 2012, 51, 7066-7074.	1.9	36
137	Origin of Long-Range Ferromagnetic Ordering in Metal-Organic Frameworks with Antiferromagnetic Dimeric-Cu(II) Building Units. Journal of the American Chemical Society, 2012, 134, 17286-17290.	6.6	86
138	Homochiral coordination polymers constructed from aminocarboxylate derivatives: Effect of bipyridine on the amidation reaction. Journal of Solid State Chemistry, 2012, 192, 255-262.	1.4	13
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