Shengchang Xiang

List of Publications by Year
in descending order

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193	20,397	13865 67	10445 139
papers	citations	h-index	g-index

202	202	202	12589
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Isomerization in Cu(I) Clusters: Tracing the Cu Thermal Migration Paths and Unveiling the Structure-Dependent Photoluminescence. CCS Chemistry, 2023, 5, 350-360.	7.8	7
2	Twoâ€dimensional Metalâ€organic Frameworks for Electrochemical CO₂Reduction Reaction. ChemCatChem, 2022, 14, .	3.7	17
3	Multifunctional anionic metal-organic frameworks enhancing stability of perovskite solar cells. Chemical Engineering Journal, 2022, 433, 133587.	12.7	11
4	Mixing halogens improves the passivation effects of amine halide on perovskite. Electrochimica Acta, 2022, 405, 139782.	5.2	2
5	In Situ Etching Strategy to Controllably Fabricate Single-Crystal Metalâ€“Organic Framework Microtubes. Crystal Growth and Design, 2022, 22, 1521-1527.	3.0	3
6	Single-phase proton- and electron-conducting Ag-organic coordination polymers for efficient CO₂electroreduction. Journal of Materials Chemistry A, 2022, 10, 3216-3225.	10.3	7
7	A Microporous Metalâ€Organic Framework with Channels Constructed from Nonpolar Aromatic Rings for the Selective Separation of Ethane/Ethylene Mixtures. ChemPlusChem, 2022, 87, e202100482.	2.8	1
8	Amidinium sulfonate hydrogen-bonded organic framework with fluorescence amplification function for sensitive aniline detection. Chinese Chemical Letters, 2022, 33, 4317-4320.	9.0	18
9	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.	10.3	17
10	Greatness in Simplicity: Efficient Red Room-Temperature Phosphorescence from Simple Halogenated Maleimides with a 2D Layered Structure. ACS Applied Materials & Interfaces, 2022, 14, 14703-14711.	8.0	15
11	Two Water Stable Phosphateâ€Amidinium Based Hydrogenâ€Bonded Organic Framework with Proton Conduction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.2	5
12	Framework-Shrinkage-Induced Wavelength-Switchable Lasing from a Single Hydrogen-Bonded Organic Framework Microcrystal. Journal of Physical Chemistry Letters, 2022, 13, 130-135.	4.6	24
13	Hydrogenâ€Bonded Organic Frameworks: Functionalized Construction Strategy by Nitrogenâ€Containing Functional Group. Chemistry - A European Journal, 2022, 28, .	3.3	20
14	A Microporous Hydrogen-Bonded Organic Framework for Efficient Xe/Kr Separation. ACS Applied Materials & Interfaces, 2022, 14, 19623-19628.	8.0	44
15	Switched Proton Conduction in Metalâ€“Organic Frameworks. Jacs Au, 2022, 2, 1043-1053.	7.9	30
16	Isoreticular Double Interpenetrating Copperâ€“Pyrazolateâ€“Carboxylate Frameworks for Efficient CO₂ Capture. Crystal Growth and Design, 2022, 22, 3853-3861.	3.0	5
17	A photochromic NDI-based framework for the facile hydrazine sensor. Inorganic Chemistry Communication, 2022, 141, 109497.	3.9	3
18	Multimode stimuli responsive dual-state organic room temperature phosphorescence from a phenanthrene derivative. Chemical Engineering Journal, 2022, 444, 136629.	12.7	32

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19	An Ultramicroporous Hydrogenâ€Bonded Organic Framework Exhibiting High C₂H₂/CO₂Separation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	48
20	High proton conductivity in metalloring-cluster based metal-organic nanotubes. Nano Research, 2021, 14, 387-391.	10.4	19
21	A microporous aluminum-based metal-organic framework for high methane, hydrogen, and carbon dioxide storage. Nano Research, 2021, 14, 507-511.	10.4	57
22	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.	12.7	26
23	Controlled Shape Evolution of Pureâ€MOF 1D Microcrystals towards Efficient Waveguide and Laser Applications. Chemistry - A European Journal, 2021, 27, 3297-3301.	3.3	14
24	Mitigation of vacancy with ammonium salt-trapped ZIF-8 capsules for stable perovskite solar cells through simultaneous compensation and loss inhibition. Nanoscale Advances, 2021, 3, 3554-3562.	4.6	13
25	Two Tb-metal organic frameworks with different metal cluster nodes for C₂H₂/CO₂ separation. Dalton Transactions, 2021, 50, 4932-4935.	3.3	5
26	Dual-functional hydrogen-bonded organic frameworks for aniline and ultraviolet sensitive detection. Chinese Chemical Letters, 2021, 32, 3109-3112.	9.0	23
27	Lithiumâ€“Sulfur Batteries: Metallic MoS₂ Nanoflowers Decorated Graphene Nanosheet Catalytically Boosts the Volumetric Capacity and Cycle Life of Lithiumâ€“Sulfur Batteries (Adv. Energy) Tj ETQq1 1 0.784314 rgBT /Ov	19.5	4
28	Separation and Purification of Xylene by Self-Assembly of a Tunable N â†' B Adduct. Crystal Growth and Design, 2021, 21, 3168-3174.	3.0	4
29	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.	13.8	38
30	Triazine Based MOFs with Abundant N Sites for Selective Nitrobenzene Detection. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1301-1304.	1.2	13
31	Hydrogen-Bonded Organic Framework Microlasers with Conformation-Induced Color-Tunable Output. ACS Applied Materials & Interfaces, 2021, 13, 28662-28667.	8.0	39
32	Broadband emission of corner-sharing halometalate templated by benzyltrimethylammonium. Inorganic Chemistry Communication, 2021, 129, 108622.	3.9	2
33	Ethylene/ethane separation in a stable hydrogen-bonded organic framework through a gating mechanism. Nature Chemistry, 2021, 13, 933-939.	13.6	235
34	Anhydrous Proton Conduction in Crystalline Porous Materials with a Wide Working Temperature Range. ACS Applied Materials & Interfaces, 2021, 13, 41363-41371.	8.0	15
35	Metallic MoS₂ Nanoflowers Decorated Graphene Nanosheet Catalytically Boosts the Volumetric Capacity and Cycle Life of Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2003718.	19.5	105
36	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.	10.3	27

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37	Efficient Separation of Acetylene-Containing Mixtures Using ZIF-8 Membranes. ACS Omega, 2021, 6, 33018-33023.	3.5	9
38	Microporous polycarbazole frameworks with large conjugated Ï€ systems for cyclohexane separation from cyclohexane-containing mixtures. New Journal of Chemistry, 2021, 45, 22437-22443.	2.8	6
39	A microporous metalâ€“organic framework with naphthalene diimide groups for high methane storage. Dalton Transactions, 2020, 49, 3658-3661.	3.3	31
40	Microporous Metal-Organic Framework Materials for Gas Separation. CheM, 2020, 6, 337-363.	11.7	528
41	A metal-organic framework with double interpenetrated frameworks for effective C2H2/CO2 separation. Inorganic Chemistry Communication, 2020, 112, 107721.	3.9	4
42	MOFs-Derived Nano-CuO Modified Electrode as a Sensor for Determination of Hydrazine Hydrate in Aqueous Medium. Sensors, 2020, 20, 140.	3.8	13
43	Design and applications of water-stable metal-organic frameworks: status and challenges. Coordination Chemistry Reviews, 2020, 423, 213507.	18.8	138
44	Hydrogen-Bonded Organic Frameworks as a Tunable Platform for Functional Materials. Journal of the American Chemical Society, 2020, 142, 14399-14416.	13.7	444
45	UiOâ€66/GO Composites with Improved Electrochemical Properties for Effective Detection of Phosphite(P(III)) in Phosphate(P(V)) Buffer Solutions. ChemistrySelect, 2020, 5, 10855-10862.	1.5	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.	13.7	201
47	Isostructural MOFs with Higher Proton Conductivity for Improved Oxygen Evolution Reaction Performance. ACS Applied Materials & Interfaces, 2020, 12, 16367-16375.	8.0	28
48	Preparation and characterization of metalâ€“organic frameworks and their composite Eu₂O₃@[Zn₂(bdc)₂dabco] (ZBDh) via pulsed laser ablation in a flowing liquid. CrystEngComm, 2020, 22, 3188-3197.	2.6	2
49	Metalâ€“Organic Frameworks as a Versatile Platform for Proton Conductors. Advanced Materials, 2020, 32, e1907090.	21.0	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.	3.0	17
51	Pure Metalâ€“Organic Framework Microlasers with Controlled Cavity Shapes. Nano Letters, 2020, 20, 2020-2025.	9.1	31
52	Solvent-Assisted Modification to Enhance Proton Conductivity and Water Stability in Metal Phosphonates. Inorganic Chemistry, 2020, 59, 3518-3522.	4.0	29
53	A novel hydrogen-bonded organic framework for the sensing of two representative organic arsenics. Canadian Journal of Chemistry, 2020, 98, 352-357.	1.1	22
54	A microporous metal-organic framework with basic sites for efficient C2H2/CO2 separation. Journal of Solid State Chemistry, 2020, 284, 121209.	2.9	13

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55	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.	7.8	63
56	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.	13.7	141
57	Metal organic frameworks composite Eu2O3@[Zn2(1,4-ndc)2dabco] synthesized by pulsed laser ablation in flowing liquid and its fluorescent sensing of fatty alcohol with different branch chains. Optical Materials, 2020, 105, 109886.	3.6	4
58	A novel mesoporous hydrogen-bonded organic framework with high porosity and stability. Chemical Communications, 2020, 56, 66-69.	4.1	76
59	Simultaneous implementation of resistive switching and rectifying effects in a metal-organic framework with switched hydrogen bond pathway. Science Advances, 2019, 5, eaaw4515.	10.3	90
60	Porous metal-organic frameworks for gas storage and separation: Status and challenges. EnergyChem, 2019, 1, 100006.	19.1	434
61	Synthesis of Seven-Membered Azepino[3,2,1-hi]indoles via Rhodium-Catalyzed Regioselective Câ€“H Activation/1,8-Diazabicyclo[5.4.0]undec-7-ene-Catalyzed Intramolecular Amidation of 7-Phenylindoles in One Pot. Journal of Organic Chemistry, 2019, 84, 14701-14711.	3.2	15
62	A metal organic cage with semi-rigid ligand for heterogeneous alcoholysis of epoxides. Inorganic Chemistry Communication, 2019, 108, 107540.	3.9	8
63	Our journey of developing multifunctional metal-organic frameworks. Coordination Chemistry Reviews, 2019, 384, 21-36.	18.8	126
64	Metalâ€“Organic Framework with Rich Accessible Nitrogen Sites for Highly Efficient CO₂ Capture and Separation. Inorganic Chemistry, 2019, 58, 7754-7759.	4.0	47
65	Enhancement of Intrinsic Proton Conductivity and Aniline Sensitivity by Introducing Dye Molecules into the MOF Channel. ACS Applied Materials & Interfaces, 2019, 11, 16490-16495.	8.0	65
66	Isomorphic MOF-derived porous carbon materials as electrochemical sensor for simultaneous determination of hydroquinone and catechol. Journal of Applied Electrochemistry, 2019, 49, 563-574.	2.9	17
67	Pore Space Partition within a Metalâ€“Organic Framework for Highly Efficient C₂H₂/CO₂ Separation. Journal of the American Chemical Society, 2019, 141, 4130-4136.	13.7	338
68	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.	2.8	35
69	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.	6.7	65
70	Steric-Hindrance-Controlled Laser Switch Based on Pure Metalâ€“Organic Framework Microcrystals. Journal of the American Chemical Society, 2019, 141, 19959-19963.	13.7	57
71	Metalo Hydrogenâ€Bonded Organic Frameworks (MHOFs) as New Class of Crystalline Materials for Protonic Conduction. Chemistry - A European Journal, 2019, 25, 1691-1695.	3.3	92
72	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.	2.5	47

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73	Exploration of porous metalâ€“organic frameworks for gas separation and purification. Coordination Chemistry Reviews, 2019, 378, 87-103.	18.8	538
74	Sulfonated periodic-mesoporous-organosilicas column for selective separation of C 2 H 2 /CH 4 mixtures. Journal of Solid State Chemistry, 2018, 264, 113-118.	2.9	12
75	Facile synthesis of oxidized activated carbons for high-selectivity and low-enthalpy CO₂ capture from flue gas. New Journal of Chemistry, 2018, 42, 4495-4500.	2.8	7
76	Rhodiumâ€Catalyzed Regioselective Ortho Câˆ'H Olefination of 2â€Arylindoles via NHâ€Indoleâ€Directed Câˆ'H Bond Cleavage. Advanced Synthesis and Catalysis, 2018, 360, 972-984.	4.3	30
77	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.	10.3	30
78	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.	3.3	101
79	Photochromic naphthalene diimide Cd-MOFs based on different second dicarboxylic acid ligands. CrystEngComm, 2018, 20, 7567-7573.	2.6	43
80	Reticular Chemistry of Multifunctional Metalâ€Organic Framework Materials. Israel Journal of Chemistry, 2018, 58, 949-961.	2.3	24
81	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.	4.0	87
82	Thermal Conversion of MOF@MOF: Synthesis of an Nâ€Doped Carbon Material with Excellent ORR Performance. ChemPlusChem, 2018, 83, 1044-1051.	2.8	18
83	Ethane/ethylene separation in a metal-organic framework with iron-peroxo sites. Science, 2018, 362, 443-446.	12.6	763
84	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.	10.3	21
85	A naphthalene diimide-based MOF with mog net featuring photochromic behaviors and high stability. Inorganic Chemistry Communication, 2018, 93, 105-109.	3.9	19
86	Mixed-Valence Cobalt(II/III) Metalâ€“Organic Framework for Ammonia Sensing with Naked-Eye Color Switching. ACS Applied Materials & Interfaces, 2018, 10, 27465-27471.	8.0	75
87	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.	5.1	31
88	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.	8.0	67
89	Enhanced Intrinsic Proton Conductivity of Metalâ€“Organic Frameworks by Tuning the Degree of Interpenetration. Crystal Growth and Design, 2018, 18, 3724-3728.	3.0	62
90	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.	3.0	48

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91	Rationally tuning hostâ€“guest interactions to free hydroxide ions within intertrimerically cuprophilic metalâ€“organic frameworks for high OH^{â^'} conductivity. Journal of Materials Chemistry A, 2017, 5, 7816-7824.	10.3	71
92	A Cd(II) metalâ€“organic framework based on semi-rigid ligand 3,5-(4-carboxybenzyloxy) benzoic acid with high stability by intramolecular hydrogen-bonding. Inorganic Chemistry Communication, 2017, 80, 49-52.	3.9	11
93	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. Journal of Materials Chemistry A, 2017, 5, 8292-8296.	10.3	78
94	Straightforward Loading of Imidazole Molecules into Metalâ€“Organic Framework for High Proton Conduction. Journal of the American Chemical Society, 2017, 139, 15604-15607.	13.7	290
95	A Facile Approach to Preparing Molecularly Imprinted Chitosan for Detecting 2,4,6-Tribromophenol with a Widely Linear Range. Environments - MDPI, 2017, 4, 30.	3.3	4
96	Molecularly Imprinted Nanofiber Film for Sensitive Sensing 2,4,6-Tribromophenol. Polymers, 2016, 8, 222.	4.5	9
97	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.	2.8	21
98	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.	3.3	113
99	A Hierarchically Porous Metalâ€Organic Framework from Semirigid Ligand for Gas Adsorption. Chinese Journal of Chemistry, 2016, 34, 215-219.	4.9	17
100	Low Cytotoxic Metalâ€“Organic Frameworks as Temperatureâ€Responsive Drug Carriers. ChemPlusChem, 2016, 81, 804-810.	2.8	67
101	Low Cytotoxic Metal-Organic Frameworks as Temperature-Responsive Drug Carriers. ChemPlusChem, 2016, 81, 668-668.	2.8	10
102	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.	10.3	44
103	Rhodium-Catalyzed NH-Indole-Directed Câ€“H Carbonylation with Carbon Monoxide: Synthesis of 6H-Isoindolo[2,1-a]indol-6-ones. Journal of Organic Chemistry, 2016, 81, 12135-12142.	3.2	47
104	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.	2.0	20
105	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.	4.0	82
106	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.	10.3	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. New Journal of Chemistry, 2016, 40, 1649-1654.	2.8	7
108	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.	4.0	68

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109	Microporous metalâ€“organic framework with dual functionalities for highly efficient removal of acetylene from ethylene/acetylene mixtures. Nature Communications, 2015, 6, 7328.	12.8	404
110	Sensing 2,4,6-tribromophenol based on molecularly imprinted technology. Monatshefte FÃ¼r Chemie, 2015, 146, 485-491.	1.8	4
111	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.	13.7	238
112	A Flexible Microporous Hydrogen-Bonded Organic Framework for Gas Sorption and Separation. Journal of the American Chemical Society, 2015, 137, 9963-9970.	13.7	360
113	A 3D-diamond-like metalâ€“organic framework: Crystal structure, nonlinear optical effect and high thermal stability. Inorganic Chemistry Communication, 2015, 60, 19-22.	3.9	12
114	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.	3.0	42
115	Novel Microporous Metalâ€“Organic Framework Exhibiting High Acetylene and Methane Storage Capacities. Inorganic Chemistry, 2015, 54, 4377-4381.	4.0	36
116	A microporous metalâ€“organic framework with polarized trifluoromethyl groups for high methane storage. Chemical Communications, 2015, 51, 14789-14792.	4.1	40
117	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.	10.3	71
118	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.	3.3	55
119	A Homochiral Microporous Hydrogen-Bonded Organic Framework for Highly Enantioselective Separation of Secondary Alcohols. Journal of the American Chemical Society, 2014, 136, 547-549.	13.7	292
120	A two dimensional microporous metal-organic framework for selective gas separation. Inorganic Chemistry Communication, 2014, 50, 106-109.	3.9	10
121	Perspective of microporous metalâ€“organic frameworks for CO₂capture and separation. Energy and Environmental Science, 2014, 7, 2868.	30.8	693
122	Waterâ€compatible imprinted polymers based on CS@SiO₂ particles for selective recognition of naringin. Journal of Applied Polymer Science, 2014, 131, .	2.6	12
123	Synthesis, crystal structure, magnetic and electrochemical studies of two copper complexes with carboxylate rich dinucleating ligand. Inorganica Chimica Acta, 2013, 394, 220-228.	2.4	16
124	Enantioselective ring-opening of meso-epoxides by aromatic amines catalyzed by a homochiral metalâ€“organic framework. Chemical Communications, 2013, 49, 9836.	4.1	60
125	A cationic microporous metalâ€“organic framework for highly selective separation of small hydrocarbons at room temperature. Journal of Materials Chemistry A, 2013, 1, 9916.	10.3	83
126	Metastable Interwoven Mesoporous Metalâ€“Organic Frameworks. Inorganic Chemistry, 2013, 52, 11580-11584.	4.0	60

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127	The cooperative utilization of imprinting, electro-spinning and a pore-forming agent to synthesise Î²-cyclodextrin polymers with enhanced recognition of naringin. RSC Advances, 2013, 3, 25396.	3.6	12
128	A microporous metalâ€“organic framework assembled from an aromatic tetracarboxylate for H2 purification. Journal of Materials Chemistry A, 2013, 1, 2543.	10.3	62
129	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.	10.3	148
130	A microporous metalâ€“organic framework of a rare sty topology for high CH4 storage at room temperature. Chemical Communications, 2013, 49, 2043.	4.1	61
131	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.	2.6	24
132	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.	4.1	224
133	A microporous lanthanide-tricarboxylate framework with the potential for purification of natural gas. Chemical Communications, 2012, 48, 10856.	4.1	134
134	A series of goblet-like heterometallic pentanuclear [LnIIICuII4] clusters featuring ferromagnetic coupling and single-molecule magnet behavior. Chemical Communications, 2012, 48, 10736.	4.1	35
135	Microporous metal-organic framework with potential for carbon dioxide capture at ambient conditions. Nature Communications, 2012, 3, 954.	12.8	716
136	Three Novel Isomeric Zinc Metalâ€“Organic Frameworks from a Tetracarboxylate Linker. Inorganic Chemistry, 2012, 51, 7066-7074.	4.0	36
137	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.	13.7	86
138	Homochiral coordination polymers constructed from aminocarboxylate derivates: Effect of bipyridine on the amidation reaction. Journal of Solid State Chemistry, 2012, 192, 255-262.	2.9	13
139	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.	4.0	83
140	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.	13.7	326
141	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.	3.3	204
142	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.	3.3	142
143	A robust near infrared luminescent ytterbium metalâ€“organic framework for sensing of small molecules. Chemical Communications, 2011, 47, 5551-5553.	4.1	345
144	Microporous metalâ€“organic frameworks for acetylene storage and separation. CrystEngComm, 2011, 13, 5983.	2.6	163

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145	Three-Dimensional Pillar-Layered Copper(II) Metalâ^'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.	4.0	115
146	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.	13.7	559
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