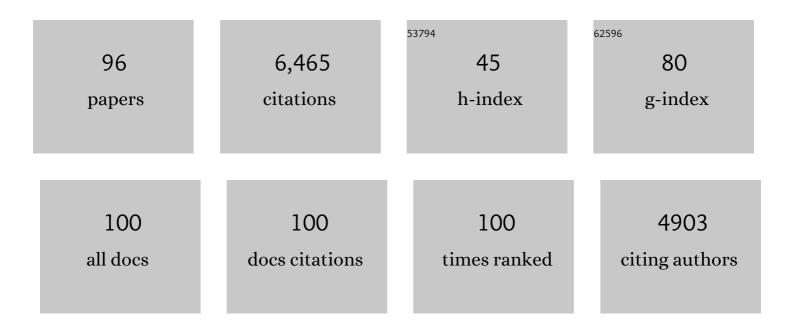
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Enhanced CO ₂ Binding Affinity of a High-Uptake <i>rht</i> -Type Metalâ^'Organic Framework Decorated with Acylamide Groups. Journal of the American Chemical Society, 2011, 133, 748-751.	13.7	722
2	Synthesis of Inorganic Fullerene-Like Molecules. Science, 2003, 300, 781-783.	12.6	343
3	Fine-Tuning Pore Size by Shifting Coordination Sites of Ligands and Surface Polarization of Metal–Organic Frameworks To Sharply Enhance the Selectivity for CO ₂ . Journal of the American Chemical Society, 2013, 135, 562-565.	13.7	329
4	Temperature Controlled Reversible Change of the Coordination Modes of the Highly Symmetrical Multitopic Ligand To Construct Coordination Assemblies: Experimental and Theoretical Studies. Journal of the American Chemical Society, 2008, 130, 7778-7779.	13.7	254
5	A new MOF-505 analog exhibiting high acetylene storage. Chemical Communications, 2009, , 7551.	4.1	231
6	Amide-functionalized metal–organic frameworks: Syntheses, structures and improved gas storage and separation properties. Coordination Chemistry Reviews, 2019, 378, 2-16.	18.8	213
7	High and selective CO2 capture by two mesoporous acylamide-functionalized rht-type metal–organic frameworks. Chemical Communications, 2012, 48, 7025.	4.1	174
8	Highly selective CO2 capture of an agw-type metal–organic framework with inserted amides: experimental and theoretical studies. Chemical Communications, 2012, 48, 3058.	4.1	166
9	Unprecedented interweaving of single-helical and unequal double-helical chains into chiral metal–organic open frameworks with multiwalled tubular structures. Chemical Communications, 2007, , 2293-2295.	4.1	142
10	Pentaphosphaferrocene as a Linking Unit for the Formation of One- and Two-Dimensional Polymers. Angewandte Chemie - International Edition, 2002, 41, 1737-1740.	13.8	141
11	Finely tuning MOFs towards high performance in C ₂ H ₂ storage: synthesis and properties of a new MOF-505 analogue with an inserted amide functional group. Chemical Communications, 2016, 52, 7241-7244.	4.1	131
12	Finely tuning MOFs towards high-performance post-combustion CO ₂ capture materials. Chemical Communications, 2016, 52, 443-452.	4.1	131
13	Fine Tuning of MOFâ€505 Analogues To Reduce Lowâ€Pressure Methane Uptake and Enhance Methane Working Capacity. Angewandte Chemie - International Edition, 2017, 56, 11426-11430.	13.8	119
14	Functionalization of Microporous Lanthanide-Based Metal–Organic Frameworks by Dicarboxylate Ligands with Methyl-Substituted Thieno[2,3- <i>b</i>]thiophene Groups: Sensing Activities and Magnetic Properties. Inorganic Chemistry, 2016, 55, 5139-5151.	4.0	117
15	Synthesis, Structure, Water-Induced Reversible Crystal-to-Amorphous Transformation, and Luminescence Properties of Novel Cationic Spacer-Filled 3D Transition Metal Supramolecular Frameworks from N,Nâ€~,Nâ€~〉â€~-Tris(carboxymethyl)-1,3,5-benzenetricarboxamide. Crystal Growth and Des 2007. 7. 890-894.	sign,	111
16	Size-controlled synthesis and magnetic properties of NiFe2O4 hollow nanospheres via a gel-assistant hydrothermal route. Journal of Alloys and Compounds, 2010, 491, L33-L38.	5.5	110
17	Fullerene-Like Nanoballs Formed by Pentaphosphaferrocene and CuBr. European Journal of Inorganic Chemistry, 2005, 2005, 4023-4026.	2.0	102
18	Novel Alternating Ferro-Ferromagnetic Two-Dimensional (4,4) and Photoluminescent Three-Dimensional Interpenetrating PtS-Type Coordination Networks Constructed from a New Flexible Tripodal Ligand as a Four-Connected Node. Crystal Growth and Design, 2007, 7, 747-754.	3.0	102

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19	2D and 3D Cadmium(II) Coordination Polymers from a Flexible Tripodal Ligand of 1,3,5-Tris(carboxymethoxy)benzene and Bidentate Pyridyl-Containing Ligands with Three-, Eight- and Ten-Connected Topologies. European Journal of Inorganic Chemistry, 2006, 2006, 3041-3053.	2.0	99
20	Porous NbO-type metal–organic framework with inserted acylamide groups exhibiting highly selective CO2 capture. CrystEngComm, 2013, 15, 3517.	2.6	99
21	Synthesis, structures and properties of nickel(ii) and cobalt(ii) metal–organic frameworks based on a flexible tricarboxylate ligand H3TTG and different pyridyl-containing ligands. CrystEngComm, 2007, 9, 1084.	2.6	98
22	Higher Symmetry Multinuclear Clusters of Metal–Organic Frameworks for Highly Selective CO ₂ Capture. Journal of the American Chemical Society, 2018, 140, 17825-17829.	13.7	98
23	P2-Ligand Complexes as Building Blocks for the Formation of One-Dimensional Polymers This work was supported by the Deutsche Forschungsgemeinschaft and the Fonds der Chemischen Industrie Angewandte Chemie - International Edition, 2002, 41, 783.	13.8	90
24	Unprecedented 4264 Topological 2-D Rare-Earth Coordination Polymers from a Flexible Tripodal Acid with Additional Amide Groups. Inorganic Chemistry, 2007, 46, 8451-8453.	4.0	85
25	The Utilization of Amide Groups To Expand and Functionalize Metal–Organic Frameworks Simultaneously. Chemistry - A European Journal, 2016, 22, 6277-6285.	3.3	83
26	New <i>rht</i> -Type Metal–Organic Frameworks Decorated with Acylamide Groups for Efficient Carbon Dioxide Capture and Chemical Fixation from Raw Power Plant Flue Gas. ACS Applied Materials & Interfaces, 2016, 8, 31746-31756.	8.0	81
27	A dual-functional indium–organic framework towards organic pollutant decontamination via physically selective adsorption and chemical photodegradation. Journal of Materials Chemistry A, 2017, 5, 14182-14189.	10.3	80
28	Preparation of dual-function starch-based flocculants for the simultaneous removal of turbidity and inhibition of Escherichia coli in water. Water Research, 2016, 98, 128-137.	11.3	73
29	Synthesis and Enhanced H ₂ Adsorption Properties of a Mesoporous Nanocrystal of MOFâ€5: Controlling Nanoâ€/Mesostructures of MOFs To Improve Their H ₂ Heat of Adsorption. Chemistry - A European Journal, 2010, 16, 13049-13052.	3.3	69
30	Water Stable Metal–Organic Framework Evolutionally Formed from a Flexible Multidentate Ligand with Acylamide Groups for Selective CO ₂ Adsorption. Crystal Growth and Design, 2012, 12, 1081-1084.	3.0	67
31	A Series of Four-Connected Entangled Metal–Organic Frameworks Assembled from Pamoic Acid and Pyridine-Containing Ligands: Interpenetrating, Self-Penetrating, and Supramolecular Isomerism. Crystal Growth and Design, 2012, 12, 79-92.	3.0	66
32	Large-scale synthesis of uniform spinel ferrite nanoparticles from hydrothermal decomposition of trinuclear heterometallic oxo-centered acetate clusters. Materials Letters, 2009, 63, 1099-1101.	2.6	64
33	Assembly of a series of d ¹⁰ coordination polymers of pamoic acid through a mixed-ligand synthetic strategy: syntheses, structures and fluorescence properties. CrystEngComm, 2014, 16, 10658-10673.	2.6	64
34	Synthesis, Structure, Luminescence, and Water Induced Reversible Crystal-to-Amorphous Transformation Properties of Lanthanide(III) Benzene-1,4-dioxylacetates with a Three-Dimensional Framework. Crystal Growth and Design, 2006, 6, 1221-1226.	3.0	63
35	Versatile lanthanide coordination assemblies due to the synergistic effect of lanthanide contraction and flexibility of a flexible tricarboxylate ligand. CrystEngComm, 2007, 9, 1051.	2.6	63
36	A nitro-decorated NbO-type metal–organic framework with a highly selective CO ₂ uptake and CH ₄ storage capacity. CrystEngComm, 2014, 16, 6287-6290.	2.6	61

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37	Temperature-dependent supramolecular isomerism in three zinc coordination polymers with pamoic acid and 1,4-bis(imidazol-1-ylmethyl)-benzene. CrystEngComm, 2011, 13, 5313.	2.6	60
38	Controlling the shifting degree of interpenetrated metal–organic frameworks by modulator and temperature and their hydrogen adsorption properties. Chemical Communications, 2011, 47, 2556.	4.1	56
39	Formation of a Metal–Organic Framework with High Surface Area and Gas Uptake by Breaking Edges Off Truncated Cuboctahedral Cages. Angewandte Chemie - International Edition, 2013, 52, 11282-11285.	13.8	56
40	Hierarchically Micro- and Mesoporous Coordination Polymer Nanostructures with High Adsorption Performance. Crystal Growth and Design, 2010, 10, 2451-2454.	3.0	53
41	Novel symmetrical coralloid Cu 3D superstructures: Solid-state synthesis from a Cu-carboxylate MOF and their in-situ thermal conversion. Journal of Solid State Chemistry, 2009, 182, 2298-2306.	2.9	52
42	Stable Amide-Functionalized Metal–Organic Framework with Highly Selective CO2 Adsorption. Inorganic Chemistry, 2019, 58, 2729-2735.	4.0	51
43	A hierarchical supra-nanostructure of HKUST-1 featuring enhanced H2 adsorption enthalpy and higher mesoporosity. CrystEngComm, 2011, 13, 3314.	2.6	48
44	Positional isomeric and substituent effect on the assemblies of a series of d10 coordination polymers based upon unsymmetric tricarboxylate acids and nitrogen-containing ligands. CrystEngComm, 2013, 15, 5476.	2.6	47
45	Pure-Supramolecular-Linker Approach to Highly Connected Metal–Organic Frameworks for CO ₂ Capture. Journal of the American Chemical Society, 2019, 141, 14539-14543.	13.7	47
46	An unprecedented nanoscale trilayered polythreading coordination array hierarchically formed from 2D square grid networks and induced by protonated 1,2-bis(4-pyridyl)ethane. CrystEngComm, 2009, 11, 271-273.	2.6	46
47	Synthesis, structures and properties of alkaline earth metal benzene-1,4-dioxylacetates with three-dimensional hybrid networks. Inorganica Chimica Acta, 2006, 359, 3257-3263.	2.4	45
48	New Reticular Chemistry of the Rod Secondary Building Unit: Synthesis, Structure, and Natural Gas Storage of a Series of Three-Way Rod Amide-Functionalized Metal–Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 12202-12211.	13.7	44
49	pH-Controlled change of the coordination modes of the highly symmetrical multitopic ligand and metal–oxygen arrays for constructing coordination assemblies. CrystEngComm, 2010, 12, 49-51.	2.6	43
50	An unprecedented nanoporous and fluorescent supramolecular framework with an SrAl2 topology controllably synthesized from a flexible ditopic acid. Chemical Communications, 2007, , 4416.	4.1	41
51	A multi-dye@MOF composite boosts highly efficient photodegradation of an ultra-stubborn dye reactive blue 21 under visible-light irradiation. Journal of Materials Chemistry A, 2018, 6, 2148-2156.	10.3	40
52	Formation of a mixed-valence Cu(<scp>i</scp>)/Cu(<scp>ii</scp>) metal–organic framework with the full light spectrum and high selectivity of CO ₂ photoreduction into CH ₄ . Chemical Science, 2020, 11, 10143-10148.	7.4	40
53	High H ₂ and CH ₄ Adsorption Capacity of a Highly Porous (2,3,4)-Connected Metal–Organic Framework. Crystal Growth and Design, 2013, 13, 2252-2255.	3.0	39
54	Luminescent Open-Framework Antiferromagnet – Hydrothermal Syntheses, Structures, and Luminescent and Magnetic Properties of Two Novel Coordination Polymers: [Zn(pdoa)(bipy)]n and {[Mn(pdoa)(bipy)](bipy)}n [pdoa = 2,2′-(1,3-phenylenedioxy)bis(acetate); bipy = 4,4′-bipyridine]. European Journal of Inorganic Chemistry, 2006, 2006, 3659-3666.	2.0	37

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55	Fine Tuning of MOFâ€505 Analogues To Reduce Lowâ€Pressure Methane Uptake and Enhance Methane Working Capacity. Angewandte Chemie, 2017, 129, 11584-11588.	2.0	33
56	A highly porous agw-type metal–organic framework and its CO2 and H2 adsorption capacity. CrystEngComm, 2013, 15, 9348.	2.6	32
57	Metal-dependent dimensionality in coordination polymers of a semi-rigid dicarboxylate ligand with additional amide groups: Syntheses, structures and luminescent properties. Inorganica Chimica Acta, 2010, 363, 3172-3177.	2.4	31
58	Solvent- and metal-directed lanthanide-organic frameworks based on pamoic acid: observation of slow magnetization relaxation, magnetocaloric effect and luminescent sensing. Science China Chemistry, 2016, 59, 948-958.	8.2	31
59	Fusing High Symmetric Coordination Polyhedrons of Cu6(PIP)4, Cu12(PIP)8, and Cu12(PIP)24 into an Unprecedented Porous MOF: Synthesis, Structure, and Its Remarkable CO2 Selectivity. Crystal Growth and Design, 2013, 13, 24-26.	3.0	29
60	Constructing and finely tuning the CO ₂ traps of stable and various-pore-containing MOFs towards highly selective CO ₂ capture. Chemical Communications, 2019, 55, 3477-3480.	4.1	29
61	Ligand onformerâ€Induced Formation of Zirconium–Organic Framework for Methane Storage and MTO Product Separation. Angewandte Chemie - International Edition, 2021, 60, 16521-16528.	13.8	29
62	Highly thermostable lanthanide(<scp>iii</scp>) MOFs constructed from 4,4′,4′′-s-triazine-2,4,6-triyl-tribenzoate ligand: synthesis, structure, and tunable white-light emission. CrystEngComm, 2016, 18, 7728-7736.	2.6	28
63	Topology diversity and reversible crystal-to-amorphous transformation properties of 3D cobalt coordination polymers from a series of 1D rodlike dipyridyl-containing building blocks and a flexible tripodal acid with additional amidegroups. CrystEngComm, 2010, 12, 70-72.	2.6	27
64	Metal disordering Cu(ii) supramolecular polymers constructed from a tripodal ligand possessing two different functional groups. CrystEngComm, 2007, 9, 228.	2.6	22
65	Synthesis and structure of color tunable and white-light emitting lanthanide metal–organic framework materials constructed from conjugated 1,1′-butadiynebenzene-3,3′,5,5′-tetracarboxylate ligand. RSC Advances, 2016, 6, 103714-103723.	3.6	21
66	A low symmetry cluster meets a low symmetry ligand to sharply boost MOF thermal stability. Chemical Communications, 2020, 56, 11985-11988.	4.1	19
67	A S ₄ N ₄ -like [Co ₄ (μ-Cl) ₄] based metal–organic framework with sum topology and selective CO ₂ uptake. CrystEngComm, 2016, 18, 9003-9006.	2.6	17
68	A Distorted [Mn ₂ (COO) ₄ N ₂] Cluster Based Metal–Organic Framework with (3,3,6) Topology and Selective Adsorption of CO ₂ . Crystal Growth and Design, 2017, 17, 2223-2227.	3.0	17
69	Solvents-Dependent Formation of Three MOFs from the Fe ₃ O Cluster and 3,3′,5,5′-Diphenyltetracarboxylic Acid and Their Selective CO ₂ Adsorption. Inorganic Chemistry, 2019, 58, 13836-13842.	4.0	17
70	A (3,6)-Connected Metal–Organic Framework with <i>pyr</i> Topology and Highly Selective CO ₂ Adsorption. Crystal Growth and Design, 2017, 17, 16-18.	3.0	16
71	Single-Crystal Synthesis and Diverse Topologies of Hexanuclear Ce ^{IV} -Based Metal–Organic Frameworks. Inorganic Chemistry, 2020, 59, 11233-11237.	4.0	15
72	Formation of a N/O/F-Rich and Rooflike Cluster-Based Highly Stable Cu(I/II)-MOF for Promising Pipeline Natural Gas Upgrading by the Recovery of Individual C ₃ H ₈ and C ₂ H ₆ Gases. ACS Applied Materials & Interfaces, 2021, 13, 40713-40723.	8.0	15

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73	Anion Regulates scu Topological Porous Coordination Polymers into the Acetylene Trap. ACS Applied Materials & Interfaces, 2022, 14, 13550-13559.	8.0	14
74	A supramolecular assembly of {Fe10} molecular wheels with tubular structures. CrystEngComm, 2006, 8, 384.	2.6	13
75	Tuning Open Metal Site-Free ncb Type of Metal–Organic Frameworks for Simultaneously High Gravimetric and Volumetric Methane Storage Working Capacities. ACS Applied Materials & Interfaces, 2021, 13, 44956-44963.	8.0	13
76	Double-Walled Zn ₃₆ @Zn ₁₀₄ Multicomponent Senary Metal–Organic Polyhedral Framework and Its Isoreticular Evolution. Journal of the American Chemical Society, 2021, 143, 17942-17946.	13.7	11
77	Synthesis, structure and high methane storage of pure D6R Yb(Y) nonanuclear cluster-based zeolite-like metal–organic frameworks. Journal of Materials Chemistry A, 2022, 10, 14795-14798.	10.3	11
78	Synthesis, structures, and luminescence of two 2-D microporous metal-organic frameworks in the zinc (cadmium)-dicarboxylate-imidazolate system. Journal of Coordination Chemistry, 2016, 69, 1819-1827.	2.2	10
79	Syntheses, Structures and Sorption Properties of Three Isoreticular Trinuclear Indiumâ€Based Amideâ€Functionalized Metal–Organic Frameworks. Chemistry - an Asian Journal, 2019, 14, 3603-3610.	3.3	9
80	Two New (3,6)-Connected MOFs with <i>eea</i> Topology and High CH ₄ Uptake. Crystal Growth and Design, 2016, 16, 6156-6159.	3.0	8
81	Selective CO ₂ or CH ₄ adsorption of two anionic bcu-MOFs with two different counterions: experimental and simulation studies. Inorganic Chemistry Frontiers, 2020, 7, 4631-4639.	6.0	7
82	Modifying a partial corn- <i>sql</i> layer-based (3,3,3,3,4,4)-c topological MOF by substitution of OH ^{â~} with Cl ^{â~} and its highly selective adsorption of C2 hydrocarbons over CH ₄ . Dalton Transactions, 2021, 50, 4840-4847.	3.3	7
83	Synthesis, structure and highly selective C ₃ H ₈ /CH ₄ and C ₂ H ₆ /CH ₄ adsorption of a (4,8)-c ternary <i>flu</i> -metal–organic framework based upon both [Sc ₄ O ₂ (COO) ₈] and [Cu ₄ OCl ₆] clusters.	2.6	6
84	Synthesis, structure, novel topology and reversible crystal-to-amorphous transformation of calcium coordination polymers from a flexible tripodal acid with additional amide groups. Inorganica Chimica Acta, 2012, 383, 305-311.	2.4	5
85	Ligand onformerâ€Induced Formation of Zirconium–Organic Framework for Methane Storage and MTO Product Separation. Angewandte Chemie, 2021, 133, 16657-16664.	2.0	5
86	Time-delay analysis of a magnetorheological elastomer actuator for semi-active control. , 2017, , .		4
87	Development and simulation evaluation of a magnetorheological elastomer isolator for transformer vibration control. , 2018, , .		4
88	Molecular Spheres Inspired Self-Assembly of Hydrolytically Stable Mesoporous Zirconium-Based Metal–Organic Frameworks. Crystal Growth and Design, 2020, 20, 8015-8020.	3.0	4
89	Synthesis, crystal structures, and photoluminescence of two novel zinc coordination polymers built from 2,2'-(ethyne-1,2-diyl)diterephthalate. Inorganic Chemistry Communication, 2012, 17, 173-176.	3.9	3
90	A porous amide-functionalized <i>pto</i> -type MOF exhibiting selective capture and separation of cationic MB dye. Journal of Coordination Chemistry, 2021, 74, 241-251.	2.2	3

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91	Synthesis, structure and optical limiting properties of a new S-methylated derivative of a nickel dithiolene, bis[2-ethoxycarbonylsulfanyl-1,2-bis (methylthio)-1-ethenethiolato]nickel. Journal of Coordination Chemistry, 2006, 59, 421-427.	2.2	2
92	The Utilization of Amide Groups to Expand and Functionalize Metalâ€Organic Frameworks Simultaneously. Chemistry - A European Journal, 2016, 22, 6129-6129.	3.3	2
93	Crystal Structure of trans-Bis(2-benzamido)oxazoline nickel(II). Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X119-X120.	0.1	1
94	Crystal Structure of Bis((-)-2-benzamido-4-phenyl-2-oxazoline)copper(II). Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X153-X154.	0.1	0
95	Crystal Structure of (S)-1-(4-Chlorobenzoyl)-3-(1-hydroxy-3-phenylpropan-2-yl)thiourea. Analytical Sciences: X-ray Structure Analysis Online, 2008, 24, X59-X60.	0.1	0
96	Self-tuning fuzzy control for time-varying excitation vibration isolation system with magnetorheological elastomer actuator. , 2017, , .		0