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List of Publications by Year
in descending order

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48 papers	18,673 citations	172207 29 h-index	214527 47 g-index
53 all docs	53 docs citations	53 times ranked	20131 citing authors

#	Article	IF	Citations
1	Flexible Metalâ€“Organic Frameworks as CO₂ Adsorbents en Route to Energyâ€Efficient Carbon Capture. Small Structures, 2022, 3, .	6.9	15
2	Dissolution and Biological Assessment of Cancer-Targeting Nano-ZIF-8 in Zebrafish Embryos. ACS Biomaterials Science and Engineering, 2022, 8, 2445-2454.	2.6	8
3	The chemistry of metalâ€“organic frameworks with face-centered cubic topology. Coordination Chemistry Reviews, 2022, 468, 214644.	9.5	14
4	Zeolite NPOâ€Type Azolate Frameworks. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
5	Surface peptide functionalization of zeolitic imidazolate framework-8 for autonomous homing and enhanced delivery of chemotherapeutic agent to lung tumor cells. Dalton Transactions, 2021, 50, 2375-2386.	1.6	6
6	Control over interpenetration for boosting methane storage capacity in metalâ€“organic frameworks. Journal of Materials Chemistry A, 2021, 9, 24857-24862.	5.2	14
7	Robust Barium Phosphonate Metalâ€“Organic Frameworks Synthesized under Aqueous Conditions. , 2021, 3, 1010-1015.		3
8	Defect-engineering a metalâ€“organic framework for CO₂ fixation in the synthesis of bioactive oxazolidinones. Inorganic Chemistry Frontiers, 2020, 7, 3571-3577.	3.0	33
9	Selectively capturing carbon dioxide from mixed gas streams using a new microporous organic copolymer. Microporous and Mesoporous Materials, 2020, 305, 110391.	2.2	6
10	Unraveling the Structural Dynamics of an Enzyme Encapsulated within a Metalâ€“Organic Framework. Journal of Physical Chemistry B, 2020, 124, 3678-3685.	1.2	18
11	Novel Porous Organic Polymer for the Concurrent and Selective Removal of Hydrogen Sulfide and Carbon Dioxide from Natural Gas Streams. ACS Applied Materials & Interfaces, 2020, 12, 47984-47992.	4.0	29
12	A Microporous Organic Copolymer for Selective CO₂ Capture under Humid Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 13941-13948.	3.2	29
13	Building a Global Culture of Scienceâ€”The Vietnam Experience. Angewandte Chemie - International Edition, 2019, 58, 1552-1560.	7.2	5
14	An Ultrasensitive and Selective Metalâ€“Organic Framework Chemosensor for Palladium Detection in Water. Inorganic Chemistry, 2019, 58, 1738-1741.	1.9	42
15	Aufbau einer globalen Wissenschaftskultur â€“ die Vietnamâ€Erfahrung. Angewandte Chemie, 2019, 131, 1566-1575.	1.6	2
16	The role of reticular chemistry in the design of CO2 reduction catalysts. Nature Materials, 2018, 17, 301-307.	13.3	552
17	New Metalâ€“Organic Frameworks for Chemical Fixation of CO₂. ACS Applied Materials & Interfaces, 2018, 10, 733-744.	4.0	192
18	Carbon dioxide capture in the presence of water by an amine-based crosslinked porous polymer. Journal of Materials Chemistry A, 2018, 6, 6455-6462.	5.2	39

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19	Designing bipyridine-functionalized zirconium metalâ€“organic frameworks as a platform for clean energy and other emerging applications. Coordination Chemistry Reviews, 2018, 364, 33-50.	9.5	105
20	A complex metal-organic framework catalyst for microwave-assisted radical polymerization. Communications Chemistry, 2018, 1, .	2.0	31
21	Facilitating Laboratory Research Experience Using Reticular Chemistry. Journal of Chemical Education, 2018, 95, 1512-1519.	1.1	38
22	Tuning the Interplay between Selectivity and Permeability of ZIF-7 Mixed Matrix Membranes. ACS Applied Materials & Interfaces, 2017, 9, 33401-33407.	4.0	74
23	The â€˜folkloreâ€™ and reality of reticular chemistry. Materials Chemistry Frontiers, 2017, 1, 1304-1309.	3.2	47
24	Multivariate metal-organic frameworks. National Science Review, 2017, 4, 296-298.	4.6	148
25	The chemistry of metalâ€“organic frameworks for CO2 capture, regeneration and conversion. Nature Reviews Materials, 2017, 2, .	23.3	1,075
26	High Methanol Uptake Capacity in Two New Series of Metalâ€“Organic Frameworks: Promising Materials for Adsorption-Driven Heat Pump Applications. Chemistry of Materials, 2016, 28, 6243-6249.	3.2	44
27	Metal nitrosyl chemistry: Interesting oxidation and nitrosylation of a metal-bound ligand framework in a diamido-bis(phosphine) ruthenium(II) complex. Inorganica Chimica Acta, 2016, 450, 236-242.	1.2	2
28	Mixed-Metal Zeolitic Imidazolate Frameworks and their Selective Capture of Wet Carbon Dioxide over Methane. Inorganic Chemistry, 2016, 55, 6201-6207.	1.9	52
29	High proton conductivity at low relative humidity in an anionic Fe-based metalâ€“organic framework. Journal of Materials Chemistry A, 2016, 4, 3638-3641.	5.2	87
30	A Titaniumâ€“Organic Framework as an Exemplar of Combining the Chemistry of Metalâ€“ and Covalentâ€“Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 4330-4333.	6.6	260
31	Tailoring the Optical Absorption of Waterâ€Stable Zr^{IV}â€•and Hf^{IV}â€Based Metalâ€“Organic Framework Photocatalysts. Chemistry - an Asian Journal, 2015, 10, 2660-2668.	1.7	62
32	Introduction of Functionality, Selection of Topology, and Enhancement of Gas Adsorption in Multivariate Metalâ€“Organic Framework-177. Journal of the American Chemical Society, 2015, 137, 2641-2650.	6.6	339
33	Tailoring the water adsorption properties of MIL-101 metalâ€“organic frameworks by partial functionalization. Journal of Materials Chemistry A, 2015, 3, 2057-2064.	5.2	105
34	The Development of Global Science. ACS Central Science, 2015, 1, 18-23.	5.3	9
35	An azobenzene-containing metalâ€“organic framework as an efficient heterogeneous catalyst for direct amidation of benzoic acids: synthesis of bioactive compounds. Chemical Communications, 2015, 51, 17132-17135.	2.2	59
36	Synthesis and Selective CO₂ Capture Properties of a Series of Hexatopic Linker-Based Metalâ€“Organic Frameworks. Inorganic Chemistry, 2015, 54, 10065-10072.	1.9	57

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37	Three-Dimensional Metal-Catecholate Frameworks and Their Ultrahigh Proton Conductivity. Journal of the American Chemical Society, 2015, 137, 15394-15397.	6.6	274
38	A significant enhancement of water vapour uptake at low pressure by amine-functionalization of UiO-67. Dalton Transactions, 2015, 44, 2047-2051.	1.6	109
39	RÃ¼cktitelbild: Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks (Angew. Chem. 40/2014). Angewandte Chemie, 2014, 126, 11004-11004.	1.6	0
40	Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabaziteâ€Type Zeolitic Imidazolate Frameworks. Angewandte Chemie - International Edition, 2014, 53, 10645-10648.	7.2	225
41	Synthesis and Characterization of Metalâ€“Organic Framework-74 Containing 2, 4, 6, 8, and 10 Different Metals. Inorganic Chemistry, 2014, 53, 5881-5883.	1.9	397
42	The Chemistry and Applications of Metal-Organic Frameworks. Science, 2013, 341, 1230444.	6.0	12,032
43	Large-Pore Apertures in a Series of Metal-Organic Frameworks. Science, 2012, 336, 1018-1023.	6.0	1,729
44	Diamidato-bis(diphenylphosphino) platinum(II) complexes: Synthesis, characterization, and reactivity in the presence of acid. Inorganica Chimica Acta, 2011, 368, 74-83.	1.2	10
45	Can rapid loss and high variability of Martian methane be explained by surface H2O2?. Planetary and Space Science, 2011, 59, 238-246.	0.9	17
46	Secondary Organic Aerosol-Forming Reactions of Glyoxal with Amino Acids. Environmental Science & Technology, 2009, 43, 2818-2824.	4.6	206
47	Metal Organic Frameworks as Emerging Photocatalysts. , 0, , .		5
48	Zeolite NPOâ€Type Azolate Frameworks. Angewandte Chemie, 0, , .	1.6	1