

C Montoro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

2,361
citations

15
h-index

19
g-index

19
ext. papers

2,665
ext. citations

16.2
avg, IF

5.32
L-index

#	Paper	IF	Citations
18	Toxic gas removal--metal-organic frameworks for the capture and degradation of toxic gases and vapours. <i>Chemical Society Reviews</i> , 2014 , 43, 5419-30	58.5	715
17	Capture of nerve agents and mustard gas analogues by hydrophobic robust MOF-5 type metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11888-91	16.4	235
16	Textile/metal-organic-framework composites as self-detoxifying filters for chemical-warfare agents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6790-4	16.4	234
15	Highly hydrophobic isorecticular porous metal-organic frameworks for the capture of harmful volatile organic compounds. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8290-4	16.4	205
14	Tuning the adsorption properties of isorecticular pyrazolate-based metal-organic frameworks through ligand modification. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12830-43	16.4	167
13	Cation-exchange porosity tuning in anionic metal-organic frameworks for the selective separation of gases and vapors and for catalysis. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7308-11	16.4	145
12	Covalent organic framework nanosheets: preparation, properties and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 2291-2302	58.5	135
11	Ionic Conductivity and Potential Application for Fuel Cell of a Modified Imine-Based Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10079-10086	16.4	135
10	Functionalisation of MOF open metal sites with pendant amines for CO ₂ capture. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10155		105
9	Layer-Stacking-Driven Fluorescence in a Two-Dimensional Imine-Linked Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12922-12929	16.4	81
8	Improved CO ₂ Capture from Flue Gas by Basic Sites, Charge Gradients, and Missing Linker Defects on Nickel Face Cubic Centered MOFs. <i>Advanced Functional Materials</i> , 2014 , 24, 6130-6135	15.6	59
7	Highly Hydrophobic Isorecticular Porous Metal-Organic Frameworks for the Capture of Harmful Volatile Organic Compounds. <i>Angewandte Chemie</i> , 2013 , 125, 8448-8452	3.6	49
6	Metal-Organic Frameworks Containing Missing-Linker Defects Leading to High Hydroxide-Ion Conductivity. <i>Chemistry - A European Journal</i> , 2016 , 22, 1646-51	4.8	41
5	Textile/Metal-Organic-Framework Composites as Self-Detoxifying Filters for Chemical-Warfare Agents. <i>Angewandte Chemie</i> , 2015 , 127, 6894-6898	3.6	33
4	Metal and Covalent Organic Frameworks for Membrane Applications. <i>Membranes</i> , 2020 , 10,	3.8	18
3	A Perspective on the Application of Covalent Organic Frameworks for Detection and Water Treatment. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
2	The role of defects in the properties of functional coordination polymers. <i>Advances in Inorganic Chemistry</i> , 2020 , 76, 73-119	2.1	1

- 1 Facile membrane preparation from colloiddally stable metal-organic framework-polymer nanoparticles. *Journal of Membrane Science*, **2022**, 657, 120669 9.6 ○