

# C Montoro

## List of Publications by Year in Descending Order

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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	Facile membrane preparation from colloiddally stable metal-organic framework-polymer nanoparticles. <i>Journal of Membrane Science</i> , <b>2022</b> , 657, 120669	9.6	0
17	A Perspective on the Application of Covalent Organic Frameworks for Detection and Water Treatment. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
16	The role of defects in the properties of functional coordination polymers. <i>Advances in Inorganic Chemistry</i> , <b>2020</b> , 76, 73-119	2.1	1
15	Covalent organic framework nanosheets: preparation, properties and applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 2291-2302	58.5	135
14	Metal and Covalent Organic Frameworks for Membrane Applications. <i>Membranes</i> , <b>2020</b> , 10,	3.8	18
13	Layer-Stacking-Driven Fluorescence in a Two-Dimensional Imine-Linked Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12922-12929	16.4	81
12	Ionic Conductivity and Potential Application for Fuel Cell of a Modified Imine-Based Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10079-10086	16.4	135
11	Metal-Organic Frameworks Containing Missing-Linker Defects Leading to High Hydroxide-Ion Conductivity. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1646-51	4.8	41
10	Textile/metal-organic-framework composites as self-detoxifying filters for chemical-warfare agents. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6790-4	16.4	234
9	Textile/Metal Organic-Framework Composites as Self-Detoxifying Filters for Chemical-Warfare Agents. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6894-6898	3.6	33
8	Toxic gas removal--metal-organic frameworks for the capture and degradation of toxic gases and vapours. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 5419-30	58.5	715
7	Improved CO <sub>2</sub> Capture from Flue Gas by Basic Sites, Charge Gradients, and Missing Linker Defects on Nickel Face Cubic Centered MOFs. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6130-6135	15.6	59
6	Highly hydrophobic isorecticular porous metal-organic frameworks for the capture of harmful volatile organic compounds. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8290-4	16.4	205
5	Highly Hydrophobic Isorecticular Porous Metal Organic Frameworks for the Capture of Harmful Volatile Organic Compounds. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8448-8452	3.6	49
4	Tuning the adsorption properties of isorecticular pyrazolate-based metal-organic frameworks through ligand modification. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12830-43	16.4	167
3	Functionalisation of MOF open metal sites with pendant amines for CO <sub>2</sub> capture. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10155		105
2	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> , <b>2011</b> , 133, 11888-91	16.4	235

- 1 Cation-exchange porosity tuning in anionic metal-organic frameworks for the selective separation of gases and vapors and for catalysis. *Angewandte Chemie - International Edition*, **2010**, 49, 7308-11 16.4 145