

C Montoro

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,976
citations

566801

15
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

4489
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxic gas removal of metal-organic frameworks for the capture and degradation of toxic gases and vapours. <i>Chemical Society Reviews</i> , 2014, 43, 5419-5430.	18.7	838
2	Textile/Metal-Organic Framework Composites as Self-Detoxifying Filters for Chemical Warfare Agents. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6790-6794.	7.2	291
3	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, 11888-11891.	6.6	270
4	Highly Hydrophobic Isoreticular Porous Metal-Organic Frameworks for the Capture of Harmful Volatile Organic Compounds. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8290-8294.	7.2	264
5	Covalent organic framework nanosheets: preparation, properties and applications. <i>Chemical Society Reviews</i> , 2020, 49, 2291-2302.	18.7	245
6	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.	6.6	198
7	Tuning the Adsorption Properties of Isoreticular Pyrazolate-Based Metal-Organic Frameworks through Ligand Modification. <i>Journal of the American Chemical Society</i> , 2012, 134, 12830-12843.	6.6	184
8	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, 7308-7311.	7.2	152
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.	6.6	147
10	Functionalisation of MOF open metal sites with pendant amines for CO ₂ capture. <i>Journal of Materials Chemistry</i> , 2012, 22, 10155.	6.7	110
11	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.	7.8	72
12	Metal-Organic Frameworks Containing Missing Linker Defects Leading to High Hydroxide Ion Conductivity. <i>Chemistry - A European Journal</i> , 2016, 22, 1646-1651.	1.7	48
13	Metal and Covalent Organic Frameworks for Membrane Applications. <i>Membranes</i> , 2020, 10, 107.	1.4	38
14	A Perspective on the Application of Covalent Organic Frameworks for Detection and Water Treatment. <i>Nanomaterials</i> , 2021, 11, 1651.	1.9	16
15	The role of defects in the properties of functional coordination polymers. <i>Advances in Inorganic Chemistry</i> , 2020, 76, 73-119.	0.4	6
16	Facile membrane preparation from colloidal stable metal-organic framework-polymer nanoparticles. <i>Journal of Membrane Science</i> , 2022, 657, 120669.	4.1	4