

Amandine Cadiou

List of Publications by Year in descending order

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16
papers

1,715
citations

567144

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887953

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docs citations

17
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2489
citing authors

#	ARTICLE	IF	CITATIONS
1	A Fine-Tuned Fluorinated MOF Addresses the Needs for Trace CO ₂ Removal and Air Capture Using Physisorption. <i>Journal of the American Chemical Society</i> , 2016, 138, 9301-9307.	6.6	366
2	Hydrolytically stable fluorinated metal-organic frameworks for energy-efficient dehydration. <i>Science</i> , 2017, 356, 731-735.	6.0	275
3	Natural gas upgrading using a fluorinated MOF with tuned H ₂ S and CO ₂ adsorption selectivity. <i>Nature Energy</i> , 2018, 3, 1059-1066.	19.8	214
4	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H ₂ S and CO ₂ from Natural Gas. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14811-14816.	7.2	176
5	CO ₂ conversion: the potential of porous-organic polymers (POPs) for catalytic CO ₂ epoxide insertion. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7453-7460.	5.2	107
6	Achieving Superprotonic Conduction with a 2D Fluorinated Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018, 140, 13156-13160.	6.6	103
7	Valuing Metal-Organic Frameworks for Postcombustion Carbon Capture: A Benchmark Study for Evaluating Physical Adsorbents. <i>Advanced Materials</i> , 2017, 29, 1702953.	11.1	88
8	Hydrocarbon recovery using ultra-microporous fluorinated MOF platform with and without uncoordinated metal sites: I- structure properties relationships for C ₂ H ₂ /C ₂ H ₄ and CO ₂ /C ₂ H ₂ separation. <i>Chemical Engineering Journal</i> , 2019, 359, 32-36.	6.6	77
9	Porous liquids based on porous cages, metal organic frameworks and metal organic polyhedra. <i>Coordination Chemistry Reviews</i> , 2019, 386, 85-95.	9.5	74
10	Topology meets MOF chemistry for pore-aperture fine tuning: MOF platform for energy-efficient separations via adsorption kinetics or molecular sieving. <i>Chemical Communications</i> , 2018, 54, 6404-6407.	2.2	65
11	Differential guest location by host dynamics enhances propylene/propane separation in a metal-organic framework. <i>Nature Communications</i> , 2020, 11, 6099.	5.8	44
12	Toward New 2D Zirconium-Based Metal-Organic Frameworks: Synthesis, Structures, and Electronic Properties. <i>Chemistry of Materials</i> , 2020, 32, 97-104.	3.2	37
13	Concurrent Sensing of CO ₂ and H ₂ O from Air Using Ultramicroporous Fluorinated Metal-Organic Frameworks: Effect of Transduction Mechanism on the Sensing Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1706-1712.	4.0	35
14	Hydrothermal synthesis, ab-initio structure determination and NMR study of the first mixed Cu-Al fluorinated MOF. <i>CrystEngComm</i> , 2013, 15, 3430.	1.3	23
15	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H ₂ S and CO ₂ from Natural Gas. <i>Angewandte Chemie</i> , 2018, 130, 15027-15032.	1.6	17
16	Metal Organic Framework: Design of Hydrophilic Metal Organic Framework Water Adsorbents for Heat Reallocation (Adv. Mater. 32/2015). <i>Advanced Materials</i> , 2015, 27, 4803-4803.	11.1	10