

# Amandine Cadiou

## 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.

16  
papers

1,157  
citations

14  
h-index

17  
g-index

17  
ext. papers

1,429  
ext. citations

18  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
16	A Fine-Tuned Fluorinated MOF Addresses the Needs for Trace CO <sub>2</sub> Removal and Air Capture Using Physisorption. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9301-7	16.4	244
15	Hydrolytically stable fluorinated metal-organic frameworks for energy-efficient dehydration. <i>Science</i> , <b>2017</b> , 356, 731-735	33.3	209
14	Natural gas upgrading using a fluorinated MOF with tuned H <sub>2</sub> S and CO <sub>2</sub> adsorption selectivity. <i>Nature Energy</i> , <b>2018</b> , 3, 1059-1066	62.3	123
13	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H <sub>2</sub> S and CO from Natural Gas. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14811-14816	16.4	111
12	CO <sub>2</sub> conversion: the potential of porous-organic polymers (POPs) for catalytic CO <sub>2</sub> →epoxide insertion. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7453-7460	13	87
11	Achieving Superprotonic Conduction with a 2D Fluorinated Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13156-13160	16.4	74
10	Valuing Metal-Organic Frameworks for Postcombustion Carbon Capture: A Benchmark Study for Evaluating Physical Adsorbents. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702953	24	70
9	Hydrocarbon recovery using ultra-microporous fluorinated MOF platform with and without uncoordinated metal sites: I- structure properties relationships for C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> and CO <sub>2</sub> /C <sub>2</sub> H <sub>2</sub> separation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 32-36	14.7	47
8	Topology meets MOF chemistry for pore-aperture fine tuning: ftw-MOF platform for energy-efficient separations via adsorption kinetics or molecular sieving. <i>Chemical Communications</i> , <b>2018</b> , 54, 6404-6407	5.8	44
7	Porous liquids based on porous cages, metal organic frameworks and metal organic polyhedra. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 386, 85-95	23.2	42
6	Toward New 2D Zirconium-Based Metal-Organic Frameworks: Synthesis, Structures, and Electronic Properties. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 97-104	9.6	25
5	Concurrent Sensing of CO and HO from Air Using Ultramicroporous Fluorinated Metal-Organic Frameworks: Effect of Transduction Mechanism on the Sensing Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1706-1712	9.5	25
4	Hydrothermal synthesis, ab-initio structure determination and NMR study of the first mixed Cu/Al fluorinated MOF. <i>CrystEngComm</i> , <b>2013</b> , 15, 3430	3.3	20
3	Differential guest location by host dynamics enhances propylene/propane separation in a metal-organic framework. <i>Nature Communications</i> , <b>2020</b> , 11, 6099	17.4	14
2	Metal Organic Framework: Design of Hydrophilic Metal Organic Framework Water Adsorbents for Heat Reallocation (Adv. Mater. 32/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 4803-4803	24	10
1	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H <sub>2</sub> S and CO <sub>2</sub> from Natural Gas. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15027-15032	3.6	10