# Amandine Cadiau

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Toward New 2D Zirconium-Based Metal–Organic Frameworks: Synthesis, Structures, and Electronic Properties. *Chemistry of Materials*, **2020**, 32, 97-104 | 9.6 | 25 |
| 15 | Differential guest location by host dynamics enhances propylene/propane separation in a metal-organic framework. *Nature Communications*, **2020**, 11, 6099 | 17.4 | 14 |
| 14 | Porous liquids based on porous cages, metal organic frameworks and metal organic polyhedra. *Coordination Chemistry Reviews*, **2019**, 386, 85-95 | 23.2 | 42 |
| 13 | Hydrocarbon recovery using ultra-microporous fluorinated MOF platform with and without uncoordinated metal sites: I- structure properties relationships for C2H2/C2H4 and CO2/C2H2 separation. *Chemical Engineering Journal*, **2019**, 359, 32-36 | 14.7 | 47 |
| 12 | Concurrent Sensing of CO and HO from Air Using Ultramicroporous Fluorinated Metal-Organic Frameworks: Effect of Transduction Mechanism on the Sensing Performance. *ACS Applied Materials & Interfaces*, **2019**, 11, 1706-1712 | 9.5 | 25 |
| 11 | Natural gas upgrading using a fluorinated MOF with tuned H2S and CO2 adsorption selectivity. *Nature Energy*, **2018**, 3, 1059-1066 | 62.3 | 123 |
| 10 | Achieving Superprotonic Conduction with a 2D Fluorinated Metal-Organic Framework. *Journal of the American Chemical Society*, **2018**, 140, 13156-13160 | 16.4 | 74 |
| 9 | Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H S and CO from Natural Gas. *Angewandte Chemie - International Edition*, **2018**, 57, 14811-14816 | 16.4 | 111 |
| 8 | Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H2S and CO2 from Natural Gas. *Angewandte Chemie*, **2018**, 130, 15027-15032 | 3.6 | 10 |
| 7 | Topology meets MOF chemistry for pore-aperture fine tuning: ftw-MOF platform for energy-efficient separations via adsorption kinetics or molecular sieving. *Chemical Communications*, **2018**, 54, 6404-6407 | 5.8 | 44 |
| 6 | Hydrolytically stable fluorinated metal-organic frameworks for energy-efficient dehydration. *Science*, **2017**, 356, 731-735 | 33.3 | 209 |
| 5 | Valuing Metal-Organic Frameworks for Postcombustion Carbon Capture: A Benchmark Study for Evaluating Physical Adsorbents. *Advanced Materials*, **2017**, 29, 1702953 | 24 | 70 |
| 4 | A Fine-Tuned Fluorinated MOF Addresses the Needs for Trace CO2 Removal and Air Capture Using Physisorption. *Journal of the American Chemical Society*, **2016**, 138, 9301-7 | 16.4 | 244 |
| 3 | CO2 conversion: the potential of porous-organic polymers (POPs) for catalytic CO2–epoxide insertion. *Journal of Materials Chemistry A*, **2016**, 4, 7453-7460 | 13 | 87 |
| 2 | Metal Organic Framework: Design of Hydrophilic Metal Organic Framework Water Adsorbents for Heat Reallocation (Adv. Mater. 32/2015). *Advanced Materials*, **2015**, 27, 4803-4803 | 24 | 10 |
| 1 | Hydrothermal synthesis, ab-initio structure determination and NMR study of the first mixed Cu–Al fluorinated MOF. *CrystEngComm*, **2013**, 15, 3430 | 3.3 | 20 |