

Enhanced CO₂ Adsorption in Metal-Organic Open-Metal Sites by Coordinated Water Molecules

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Citation Report

#	ARTICLE	IF	CITATIONS
6	Strong CO ₂ Binding in a Water-Stable, Triazolate-Bridged Metal-Organic Framework Functionalized with Ethylenediamine. <i>Journal of the American Chemical Society</i> , 2009, 131, 8784-8786.	6.6	1,047
7	Virtual High Throughput Screening Confirmed Experimentally: Porous Coordination Polymer Hydration. <i>Journal of the American Chemical Society</i> , 2009, 131, 15834-15842.	6.6	848
8	Application of metal-organic frameworks with coordinatively unsaturated metal sites in storage and separation of methane and carbon dioxide. <i>Journal of Materials Chemistry</i> , 2009, 19, 7362.	6.7	633
9	Enhancement of CO ₂ /N ₂ selectivity in a metal-organic framework by cavity modification. <i>Journal of Materials Chemistry</i> , 2009, 19, 2131.	6.7	370
10	Understanding gas separation in metal-organic frameworks using computer modeling. <i>Journal of Materials Chemistry</i> , 2010, 20, 10308.	6.7	80
11	Doping of Alkali, Alkaline-Earth, and Transition Metals in Covalent-Organic Frameworks for Enhancing CO ₂ Capture by First-Principles Calculations and Molecular Simulations. <i>ACS Nano</i> , 2010, 4, 4225-4237.	7.3	206
12	Highly Porous Ionic Metal-Organic Framework for H ₂ and CO ₂ Storage and Separation: A Molecular Simulation Study. <i>Langmuir</i> , 2010, 26, 11196-11203.	1.6	72
13	New Microporous Materials for Acetylene Storage and C ₂ H ₂ /CO ₂ Separation: Insights from Molecular Simulations. <i>ChemPhysChem</i> , 2010, 11, 2220-2229.	1.0	118
14	A Bio-Metal-Organic Framework for Highly Selective CO ₂ Capture: A Molecular Simulation Study. <i>ChemSusChem</i> , 2010, 3, 982-988.	3.6	95
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16	Can Metal-Organic Framework Materials Play a Useful Role in Large-Scale Carbon Dioxide Separations?. <i>ChemSusChem</i> , 2010, 3, 879-891.	3.6	556
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20	Molecular simulation of propane/propylene separation on the metal-organic framework CuBTC. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 357, 27-34.	2.3	70
21	CO ₂ and CH ₄ Separation by Adsorption Using Cu-BTC Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7497-7503.	1.8	233
22	A Highly Hydrophobic Metal-Organic Framework Zn(BDC)(TED) _{0.5} for Adsorption and Separation of CH ₃ OH/H ₂ O and CO ₂ /CH ₄ : An Integrated Experimental and Simulation Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6602-6609.	1.5	94
23	Molecular Simulation Studies of Separation of CO ₂ /N ₂ , CO ₂ /CH ₄ , and CH ₄ /N ₂ by ZIFs. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8515-8522.	1.5	266
24	Flexible metal-organic supramolecular isomers for gas separation. <i>Chemical Communications</i> , 2010, 46, 538-540.	2.2	173

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37	Metal-Organic Framework Thin Film for Enhanced Localized Surface Plasmon Resonance Gas Sensing. <i>Analytical Chemistry</i> , 2010, 82, 8042-8046.	3.2	317
38	A Systematic Investigation of Decomposition of Nano Zn ₄ O(C ₈ H ₄ O ₄) ₃ Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2566-2572.	1.5	91
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40	Computational screening of metal-organic frameworks for large-molecule chemical sensing. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12621.	1.3	83
41	Water adsorption in hydrophobic MOF channels. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8123.	1.3	72
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113	Guest-Induced Gate Opening and Breathing Phenomena in Soft Porous Crystals: Building Thermodynamically Consistent Isotherms. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1638-1649.	1.5	37
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117	Temperature-Pressure-Dependent Selective Separation of CO ₂ or Benzene in a Chiral Metal-Organic Framework Material. <i>ChemSusChem</i> , 2012, 5, 1597-1601.	3.6	26
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125	Carbon dioxide adsorption in microwave-synthesized metal organic framework CPM-5: Equilibrium and kinetics study. <i>Microporous and Mesoporous Materials</i> , 2013, 175, 85-91.	2.2	64
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145	Selective Dynamic CO ₂ Separations on Mg-MOF-74 at Low Pressures: A Detailed Comparison with 13X. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9301-9310.	1.5	79
146	Theoretical Investigations of CO ₂ and H ₂ Sorption in an Interpenetrated Square-Pillared Metal-Organic Material. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9970-9982.	1.5	36
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