



MOF / Metal Organic Frameworks Bibliography

- Link to press release: [Micromeritics Grants an ASAP 2050 Xtended Pressure to Southern Illinois for research that includes MOF.](#)

TITLE	AUTHORS	PUBLICATION	AUTHORS' AFFILIATIONS
Copper-based metal-organic framework for the facile ring-opening of epoxides	Jiang, D. / Mallat, T. / Krumeich, F. / Baiker, A.	<i>Journal of Catalysis</i> , 257 (2), p.390-395, Jul 2008	Department of Chemistry and Applied Biosciences, ETH Zürich, Hönggerberg, HCI, 8093 Zurich , Switzerland
Equilibrium, kinetics and enthalpy of hydrogen adsorption in MOF-177	Saha, D. / Wei, Z. / Deng, S.	<i>International Journal of Hydrogen Energy</i> , 33 (24), p.7479-7488, Dec 2008	Department of Chemical Engineering New Mexico State University, P.O. Box 30001, MSC 3805, Las Cruces, NM 88003, USA
Fabrication of MOF-5 membranes using microwave-induced rapid seeding and solvothermal secondary growth	Yoo, Y. / Lai, Z. / Jeong, H.K.	<i>Microporous and Mesoporous Materials</i> , 123 (1), p.100-106, Jul 2009	Artie McFerrin Department of Chemical Engineering, Texas A&M University, College Station, TX 77843-3122, USA / School of Chemical and Biomolecular Engineering, Nanyang Technological University, N1.2, 62 Nanyang Drive, Singapore 6347459, Singapore
High surface area microporous carbon materials for cryogenic hydrogen storage synthesized using new template-based and ...	Gregory P Meisner / Qingyuan Hu	<i>Nanotechnology</i> , 20 (20), p.204023, May 2009	Materials and Processes Laboratory, General Motors R&D Center, Warren, MI 48090, USA / School of Mechanical Engineering, Purdue University, West Lafayette, IN 47907, USA / E-mail: gregory.p.meisner@gm.com
High Throughput Microwave Synthesis of Metal Organic Framework (MOF) Libraries	Neil L. Campbell, Jake Grace, Richard W. Dewson, Jean-Noel Rebilly, Darren Bradshaw, Ben Carter, Andrew I. Cooper and Mathew J. Rosseinsky	Poster Presentation	Centre for Materials Discovery, Department of Chemistry, The University of Liverpool, Crown Street, Liverpool, L69 7ZD, United Kingdom / Chemspeed Technologies, Northampton, UK
High-Enthalpy Hydrogen Adsorption in Cation-Exchanged Variants of the Microporous Metal-Organic Framework Mn ₃ [(Mn ₄ Cl) ₃ (BTT) ₈ (CH ₃ OH) ₁₀] ₂	Mircea Dinca [*] and Jeffrey R. Long [*]	<i>J. AM. CHEM. SOC.</i> 9 VOL . 129, NO. 36, 2007	Department of Chemistry, UniVersity of California , Berkeley , California 94720
Hydrogen adsorption equilibrium and kinetics in metal-organic framework (MOF-5) synthesized with DEF approach	Saha, D. / Wei, Z. / Deng, S.	<i>Separation and Purification Technology</i> , 64 (3), p.280-287, Jan 2009	Department of Chemical Engineering, New Mexico State University , P.O. Box 30001 , MSC 3805, Las Cruces , NM 88003 , USA
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Hydrogen Storage in a Microporous Metal-Organic Framework with Exposed Mn ²⁺ Coordination Sites [92K]	Mircea Dinca , Anne Dailly,, Yun Liu, Craig M. Brown, Dan. A. Neumann, and	<i>J. Am. Chem. Soc.</i> , 2006, 128 (51), pp 16876-16883	University of California , Berkeley.; General Motors Corp.; Purdue University.; NIST Center for Neutron Research, University of Maryland; Indiana University Cyclotron Facility; / jrlong@berkeley.edu

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Improved hydrogen storage in the modified metal-organic frameworks by hydrogen spillover effect	Liu, Y.Y. / Zeng, J.L. / Zhang, J. / Xu, F. / Sun, L.X.	<i>International Journal of Hydrogen Energy</i> , 32 (16), p.4005-4010, Nov 2007	Materials and Thermochemistry Laboratory, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, China / Graduate School of Chinese Academy of Sciences, Beijing 100049, China
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Microporous Metal-Organic Frameworks Incorporating 1,4-Benzenedinitrazolate: Syntheses, Structures, and Hydrogen Storage Properties	Mircea Dinca, Anta F. Yu, and Jeffrey R. Long		Contribution from the Department of Chemistry, University of California, Berkeley, California 94720 E-mail: jrlong@berkeley.edu
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Synthesis and properties of metal organic framework compounds containing Eu and Tb	Y Sato / T Zhu / K Uematsu / T Ishigaki / K Toda / M Sato, 1 (1)	<i>2009 IOP Conf. Ser.: Mater. Sci. Eng.</i> 1 012023 (4pp) p.012023, Feb 2009, doi:10.1088/1757-8981/1/1/012023	Graduate School of Science and Technology, Niigata University, Niigata, Japan; Department of Chemistry and Chemical Engineering, Niigata University, Niigata, Japan; Center for Transdisciplinary Research, Niigata University, Niigata, Japan; E-mail: msato@eng.niigata-u.ac.jp
Synthesis, characterization and hydrogen adsorption in mixed crystals of MOWet hydrogen peroxide catalytic oxidation of olive oil mill wastewaters using Cu-zeolite and Cu-pillared clay catalysts F-5 and MOF-177	Saha, D. / Deng, S.	<i>International Journal of Hydrogen Energy</i> , 34 (6), p.2670-2678, Mar 2009	Department of Chemical Engineering, New Mexico State University, P.O. Box 30001, MSC 3805, Las Cruces, NM 88003, USA

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