Gabriela Blanita

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Enhanced Stability of the Metal–Organic Framework MIL-101(Cr) by Embedding Pd Nanoparticles for Densification through Compression. ACS Applied Nano Materials, 2022, 5, 4196-4203.	5.0	5
2	MIL-101-Al2O3 as catalytic support in the methanation of CO2 – Comparative study between Ni/MIL-101 and Ni/MIL-101-Al2O3 catalysts. Catalysis Today, 2021, 366, 114-122.	4.4	14
3	Reduced graphene oxide modified with noble metal nanoparticles for formic acid dehydrogenation. Catalysis Today, 2021, 366, 41-47.	4.4	26
4	Methanation of CO2 Using MIL-53-Based Catalysts: Ni/MIL-53–Al2O3 versus Ni/MIL-53. Catalysts, 2021, 11, 1412.	3.5	5
5	Controllable H2 Generation by Formic Acid Decomposition on a Novel Pd/Templated Carbon Catalyst. Hydrogen, 2020, 1, 22-37.	3.4	12
6	Mesoporous Metal–Organic Framework MIL-101 at High Pressure. Journal of the American Chemical Society, 2020, 142, 15012-15019.	13.7	37
7	Hybrid MOFs-graphene composites: Correlation between thermal transport and kinetics of hydrogen adsorption. International Journal of Heat and Mass Transfer, 2019, 143, 118539.	4.8	10
8	Au/reduced graphene oxide composites: eco-friendly preparation method and catalytic applications for formic acid dehydrogenation. Journal of Materials Science, 2019, 54, 6991-7004.	3.7	20
9	Effective encapsulation of Ni nanoparticles in metal-organic frameworks and their application for CO2 methanation. International Journal of Hydrogen Energy, 2019, 44, 13383-13396.	7.1	56
10	Pt/UiO-66 Nanocomposites as Catalysts for CO ₂ Methanation Process. Journal of Nanoscience and Nanotechnology, 2019, 19, 3187-3196.	0.9	24
11	Hydrogen storage potential in MIL-101Âat 200ÂK. International Journal of Hydrogen Energy, 2019, 44, 12715-12723.	7.1	8
12	Kinetics of hydrogen adsorption in MIL-101 single pellets. International Journal of Hydrogen Energy, 2017, 42, 3064-3077.	7.1	18
13	Hydrogen absorption in 1Ânm Pd clusters confined in MIL-101(Cr). Journal of Materials Chemistry A, 2017, 5, 23043-23052.	10.3	33
14	Purification of Wastewater Using a Highly Porous Metal-Organic Framework and Graphene-like Materials—A Preliminary Study. Analytical Letters, 2017, 50, 2772-2785.	1.8	2
15	The electrochemical behavior of a Metal-Organic Framework modified gold electrode for methanol oxidation. Electrochimica Acta, 2016, 219, 630-637.	5.2	25
16	Microwave assisted non-solvothermal synthesis of metal–organic frameworks. RSC Advances, 2016, 6, 25967-25974.	3.6	25
17	Ball milling and compression effects on hydrogen adsorption by MOF:Pt/carbon mixtures. Microporous and Mesoporous Materials, 2015, 203, 195-201.	4.4	16
18	Experimental assessment of physical upper limit for hydrogen storage capacity at 20 K in densified MIL-101 monoliths. RSC Advances, 2014, 4, 2648-2651.	3.6	38

GABRIELA BLANITA

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19	Hydrogen cryo-adsorption by hexagonal prism monoliths of MIL-101. International Journal of Hydrogen Energy, 2014, 39, 17040-17046.	7.1	29
20	Volumetric hydrogen adsorption capacity of densified MIL-101 monoliths. International Journal of Hydrogen Energy, 2013, 38, 7046-7055.	7.1	49
21	Review of Graphene-Supported Metal Nanoparticles as New and Efficient Heterogeneous Catalysts. Micro and Nanosystems, 2013, 5, 138-146.	0.6	38
22	Investigation of heat and mass transfer process in metal hydride hydrogen storage reactors, suitable for a solar powered water pump system. , 2012, , .		0
23	On the enhancement of hydrogen uptake by IRMOF-8 composites with Pt/carbon catalyst. International Journal of Hydrogen Energy, 2012, 37, 7378-7384.	7.1	20
24	Supported H4SiW12O40 catalysts for Î \pm -pinene isomerization. Open Chemistry, 2012, 10, 1208-1217.	1.9	3
25	Novel Graphene-Gold Nanoparticle Modified Electrodes for the High Sensitivity Electrochemical Spectroscopy Detection and Analysis of Carbamazepine. Journal of Physical Chemistry C, 2011, 115, 23387-23394.	3.1	79
26	Synthesis and characterization of coordination polymers prepared from Cull and Nill cyclam perchlorate and carmosine. Open Chemistry, 2011, 9, 224-231.	1.9	1
27	Synthesis and hydrogen adsorption properties of a new iron based porous metal-organic framework. International Journal of Hydrogen Energy, 2011, 36, 3586-3592.	7.1	33
28	A comparative study concerning chromatographic retention and computed partition coefficients of some precursors of peraza crown ethers. Open Chemistry, 2010, 8, 1203-1209.	1.9	3
29	Coupling Between Plasmonic Resonances in Nanoparticles and Porphyrins Molecules. Journal of Nanoscience and Nanotechnology, 2010, 10, 2527-2530.	0.9	10
30	Hydrogen desorption from NaAlH ₄ catalyzed by ball-milling with carbon nanofibers. Journal of Physics: Conference Series, 2009, 182, 012050.	0.4	4
31	The effect of solution/free volume ratio on the MOF-5 characteristics. Journal of Physics: Conference Series, 2009, 182, 012047.	0.4	0
32	Hydrogen storage in PrNiln and related alloys. Journal of Physics: Conference Series, 2009, 182, 012045.	0.4	0
33	Convenient Method for Preparation of Aza rown Ethers. Synthetic Communications, 2006, 36, 1569-1573.	2.1	2
34	MICROWAVE-ASSISTED ACRIDONES PREPARATION USING AN INORGANIC ACIDIC SOLID SUPPORT. Heterocyclic Communications, 1996, 2, .	1.2	6