

Gabriela Blanita

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

651
citations

586496

16
h-index

651938

25
g-index

35
all docs

35
docs citations

35
times ranked

1297
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Enhanced Stability of the Metal-Organic Framework MIL-101(Cr) by Embedding Pd Nanoparticles for Densification through Compression. <i>ACS Applied Nano Materials</i> , 2022, 5, 4196-4203. | 2.4 | 5 |
| 2 | MIL-101-Al ₂ O ₃ as catalytic support in the methanation of CO ₂ – Comparative study between Ni/MIL-101 and Ni/MIL-101-Al ₂ O ₃ catalysts. <i>Catalysis Today</i> , 2021, 366, 114-122. | 2.2 | 14 |
| 3 | Reduced graphene oxide modified with noble metal nanoparticles for formic acid dehydrogenation. <i>Catalysis Today</i> , 2021, 366, 41-47. | 2.2 | 26 |
| 4 | Methanation of CO ₂ Using MIL-53-Based Catalysts: Ni/MIL-53-Al ₂ O ₃ versus Ni/MIL-53. <i>Catalysts</i> , 2021, 11, 1412. | 1.6 | 5 |
| 5 | Controllable H ₂ Generation by Formic Acid Decomposition on a Novel Pd/Templated Carbon Catalyst. <i>Hydrogen</i> , 2020, 1, 22-37. | 1.7 | 12 |
| 6 | Mesoporous Metal-Organic Framework MIL-101 at High Pressure. <i>Journal of the American Chemical Society</i> , 2020, 142, 15012-15019. | 6.6 | 37 |
| 7 | Hybrid MOFs-graphene composites: Correlation between thermal transport and kinetics of hydrogen adsorption. <i>International Journal of Heat and Mass Transfer</i> , 2019, 143, 118539. | 2.5 | 10 |
| 8 | Au/reduced graphene oxide composites: eco-friendly preparation method and catalytic applications for formic acid dehydrogenation. <i>Journal of Materials Science</i> , 2019, 54, 6991-7004. | 1.7 | 20 |
| 9 | Effective encapsulation of Ni nanoparticles in metal-organic frameworks and their application for CO ₂ methanation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13383-13396. | 3.8 | 56 |
| 10 | Pt/UiO-66 Nanocomposites as Catalysts for CO ₂ Methanation Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3187-3196. | 0.9 | 24 |
| 11 | Hydrogen storage potential in MIL-101 at 200 K. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 12715-12723. | 3.8 | 8 |
| 12 | Kinetics of hydrogen adsorption in MIL-101 single pellets. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3064-3077. | 3.8 | 18 |
| 13 | Hydrogen absorption in 1 nm Pd clusters confined in MIL-101(Cr). <i>Journal of Materials Chemistry A</i> , 2017, 5, 23043-23052. | 5.2 | 33 |
| 14 | Purification of Wastewater Using a Highly Porous Metal-Organic Framework and Graphene-like Materials – A Preliminary Study. <i>Analytical Letters</i> , 2017, 50, 2772-2785. | 1.0 | 2 |
| 15 | The electrochemical behavior of a Metal-Organic Framework modified gold electrode for methanol oxidation. <i>Electrochimica Acta</i> , 2016, 219, 630-637. | 2.6 | 25 |
| 16 | Microwave assisted non-solvothermal synthesis of metal-organic frameworks. <i>RSC Advances</i> , 2016, 6, 25967-25974. | 1.7 | 25 |
| 17 | Ball milling and compression effects on hydrogen adsorption by MOF:Pt/carbon mixtures. <i>Microporous and Mesoporous Materials</i> , 2015, 203, 195-201. | 2.2 | 16 |
| 18 | Experimental assessment of physical upper limit for hydrogen storage capacity at 20 K in densified MIL-101 monoliths. <i>RSC Advances</i> , 2014, 4, 2648-2651. | 1.7 | 38 |

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|----|--|-----|-----------|
| 19 | Hydrogen cryo-adsorption by hexagonal prism monoliths of MIL-101. International Journal of Hydrogen Energy, 2014, 39, 17040-17046. | 3.8 | 29 |
| 20 | Volumetric hydrogen adsorption capacity of densified MIL-101 monoliths. International Journal of Hydrogen Energy, 2013, 38, 7046-7055. | 3.8 | 49 |
| 21 | Review of Graphene-Supported Metal Nanoparticles as New and Efficient Heterogeneous Catalysts. Micro and Nanosystems, 2013, 5, 138-146. | 0.3 | 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. | 3.8 | 20 |
| 24 | Supported H ₄ SiW ₁₂ O ₄₀ catalysts for α -pinene isomerization. Open Chemistry, 2012, 10, 1208-1217. | 1.0 | 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. | 1.5 | 79 |
| 26 | Synthesis and characterization of coordination polymers prepared from CuII and NiII cyclam perchlorate and carmosine. Open Chemistry, 2011, 9, 224-231. | 1.0 | 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. | 3.8 | 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. | 1.0 | 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. | 0.3 | 4 |
| 31 | The effect of solution/free volume ratio on the MOF-5 characteristics. Journal of Physics: Conference Series, 2009, 182, 012047. | 0.3 | 0 |
| 32 | Hydrogen storage in PrNiIn and related alloys. Journal of Physics: Conference Series, 2009, 182, 012045. | 0.3 | 0 |
| 33 | Convenient Method for Preparation of Aza-Crown Ethers. Synthetic Communications, 2006, 36, 1569-1573. | 1.1 | 2 |
| 34 | MICROWAVE-ASSISTED ACRIDONES PREPARATION USING AN INORGANIC ACIDIC SOLID SUPPORT. Heterocyclic Communications, 1996, 2, . | 0.6 | 6 |