

Farida Lamari

List of Publications by Citations

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33
papers

4,284
citations

16
h-index

35
g-index

35
ext. papers

4,632
ext. citations

4.4
avg, IF

5.49
L-index

#	Paper	IF	Citations
33	Metal hydride materials for solid hydrogen storage: A review?. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 1121-1140	6.7	2397
32	Review of hydrogen storage by adsorption in carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2002 , 27, 193-202	6.7	494
31	Monte Carlo simulations of hydrogen adsorption in single-walled carbon nanotubes. <i>Journal of Chemical Physics</i> , 1998 , 109, 4981-4984	3.9	345
30	Hydrogen Storage in Activated Carbons and Activated Carbon Fibers. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 10930-10934	3.4	279
29	High Adsorptive Property of Opened Carbon Nanotubes at 77 K. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 6773-6776	3.4	147
28	Monte Carlo simulations of nitrogen and hydrogen physisorption at high pressures and room temperature. Comparison with experiments. <i>Journal of Chemical Physics</i> , 1999 , 110, 4020-4027	3.9	77
27	Monte Carlo simulations of hydrogen storage in carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 9285-9293	1.8	75
26	Hydrogen adsorption in the NaA zeolite: A comparison between numerical simulations and experiments. <i>Journal of Chemical Physics</i> , 2000 , 112, 5991-5999	3.9	60
25	Adsorption Properties and Structural Characterization of Activated Carbons and Nanocarbons. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15211-15215	3.4	57
24	Hydrogen adsorption on functionalized graphene. <i>Carbon</i> , 2011 , 49, 5196-5200	10.4	55
23	Synthesis and ionic exchanges of zeolites for gas adsorption. <i>Surface and Interface Analysis</i> , 2002 , 34, 100-104	1.5	45
22	Impact of the carbonisation temperature on the activation of carbon fibres and their application for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 3091-3095	6.7	33
21	High pressure cryo-storage of hydrogen by adsorption at 77K and up to 50MPa. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 3058-3064	6.7	28
20	Hydrogen storage at low temperature and high pressure for application in automobile manufacturing. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 1744-1758	6.7	27
19	Quantum Contribution to Gas Adsorption in Carbon Nanotubes. <i>Molecular Simulation</i> , 2000 , 24, 51-61	2	26
18	Nanoscale carbon material porosity effect on gas adsorption. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 217-224	6.7	22
17	Molecular modeling of H ₂ purification on Na-LSX zeolite and experimental validation. <i>AIChE Journal</i> , 2005 , 51, 142-148	3.6	15

16	Material design using molecular modeling for hydrogen storage. <i>AIChE Journal</i> , 2009 , 55, 538-547	3.6	14
15	Pore geometry and isosteric heat: an analysis of carbon dioxide adsorption on activated carbon. <i>Molecular Physics</i> , 2009 , 107, 591-597	1.7	14
14	Herringbone nanofiber CVD synthesis and high pressure hydrogen adsorption performance analysis by molecular modelling. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 1965-1970	6.7	9
13	Biomolecules from olive pruning waste in Sierra Mágina - Engaging the energy transition by multi-actor and multidisciplinary analyses. <i>Journal of Environmental Management</i> , 2018 , 216, 204-213	7.9	7
12	A new approach to describe high-pressure adsorption isotherms in subcritical and supercritical conditions. <i>AIChE Journal</i> , 2009 , 55, 1793-1802	3.6	7
11	Capillary condensation and adsorption of binary mixtures. <i>Journal of Chemical Physics</i> , 2006 , 124, 234713	3.9	7
10	The synthesis of covalent bonded single-walled carbon nanotube/polyvinylimidazole composites by in situ polymerization and their physical characterization. <i>Polymer Composites</i> , 2012 , 33, 1255-1262	3	6
9	Hydrogen adsorption on graphane: An estimate using ab-initio interaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 10057-10063	6.7	5
8	Hydrogen storage systems using modified sorbents for application in automobile manufacturing. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 10172-10181	6.7	5
7	Performance of carbon arc-discharge nanotubes to hydrogen energy storage. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3537-42	1.3	5
6	Comparison of gas excess adsorption models and high pressure experimental validation. <i>Chemical Engineering Research and Design</i> , 2012 , 90, 2002-2012	5.5	4
5	Accurate gas Zeolite interaction measurements by using high pressure gravimetric volumetric adsorption method. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 3191-3196	6.7	4
4	Environmental application of surface reactivity analysis. <i>Surface and Interface Analysis</i> , 2002 , 34, 97-99	1.5	4
3	Preparation, Solubility, and Electrical Properties of Multiwalled Carbon Nanotubes/Poly(1-vinyl-1,2,4-triazole) Composites via in situ Functionalization. <i>Polymer-Plastics Technology and Engineering</i> , 2014 , 53, 840-850		3
2	Lignin Degradation and Its Use in Signaling Development by the Coprophilous Ascomycete. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020 , 6,	5.6	2
1	High-pressure hydrogen storage for on-board applications and for coupling renewable energies to the electric grid. <i>High Pressure Research</i> , 2009 , 29, 660-664	1.6	