

# Farida Lamari

## List of Publications by Year in descending order

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34  
papers

5,086  
citations

471061

17  
h-index

377514

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

5118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal hydride materials for solid hydrogen storage: A review†. International Journal of Hydrogen Energy, 2007, 32, 1121-1140.	3.8	2,915
2	Review of hydrogen storage by adsorption in carbon nanotubes. International Journal of Hydrogen Energy, 2002, 27, 193-202.	3.8	565
3	Monte Carlo simulations of hydrogen adsorption in single-walled carbon nanotubes. Journal of Chemical Physics, 1998, 109, 4981-4984.	1.2	397
4	Hydrogen Storage in Activated Carbons and Activated Carbon Fibers. Journal of Physical Chemistry B, 2002, 106, 10930-10934.	1.2	313
5	High Adsorptive Property of Opened Carbon Nanotubes at 77 K. Journal of Physical Chemistry B, 2000, 104, 6773-6776.	1.2	164
6	Monte Carlo simulations of nitrogen and hydrogen physisorption at high pressures and room temperature. Comparison with experiments. Journal of Chemical Physics, 1999, 110, 4020-4027.	1.2	96
7	Monte Carlo simulations of hydrogen storage in carbon nanotubes. Journal of Physics Condensed Matter, 2002, 14, 9285-9293.	0.7	85
8	Hydrogen adsorption in the NaA zeolite: A comparison between numerical simulations and experiments. Journal of Chemical Physics, 2000, 112, 5991-5999.	1.2	65
9	Adsorption Properties and Structural Characterization of Activated Carbons and Nanocarbons. Journal of Physical Chemistry B, 2004, 108, 15211-15215.	1.2	63
10	Hydrogen adsorption on functionalized graphene. Carbon, 2011, 49, 5196-5200.	5.4	62
11	Synthesis and ionic exchanges of zeolites for gas adsorption. Surface and Interface Analysis, 2002, 34, 100-104.	0.8	51
12	Hydrogen storage at low temperature and high pressure for application in automobile manufacturing. International Journal of Hydrogen Energy, 2016, 41, 1744-1758.	3.8	37
13	Impact of the carbonisation temperature on the activation of carbon fibres and their application for hydrogen storage. International Journal of Hydrogen Energy, 2008, 33, 3091-3095.	3.8	35
14	High pressure cryo-storage of hydrogen by adsorption at 77K and up to 50MPa. International Journal of Hydrogen Energy, 2009, 34, 3058-3064.	3.8	34
15	Quantum Contribution to Gas Adsorption in Carbon Nanotubes. Molecular Simulation, 2000, 24, 51-61.	0.9	29
16	Nanoscale carbon material porosity effect on gas adsorption. International Journal of Hydrogen Energy, 2010, 35, 217-224.	3.8	24
17	Molecular modeling of H2 purification on Na-LSX zeolite and experimental validation. AIChE Journal, 2005, 51, 142-148.	1.8	17
18	Material design using molecular modeling for hydrogen storage. AIChE Journal, 2009, 55, 538-547.	1.8	17

#	ARTICLE	IF	CITATIONS
19	Pore geometry and isosteric heat: an analysis of carbon dioxide adsorption on activated carbon. <i>Molecular Physics</i> , 2009, 107, 591-597.	0.8	16
20	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.	3.8	11
21	Lignin Degradation and Its Use in Signaling Development by the Coprophilous Ascomycete <i>Podospira anserina</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 278.	1.5	11
22	Capillary condensation and adsorption of binary mixtures. <i>Journal of Chemical Physics</i> , 2006, 124, 234712.	1.2	10
23	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.	3.8	9
24	A new approach to describe high-pressure adsorption isotherms in subcritical and supercritical conditions. <i>AIChE Journal</i> , 2009, 55, 1793-1802.	1.8	8
25	Hydrogen adsorption on graphane: An estimate using ab-initio interaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10057-10063.	3.8	8
26	Comparison of gas excess adsorption models and high pressure experimental validation. <i>Chemical Engineering Research and Design</i> , 2012, 90, 2002-2012.	2.7	7
27	Performance of Carbon Arc-Discharge Nanotubes to Hydrogen Energy Storage. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3537-3542.	0.9	6
28	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.	2.3	6
29	Environmental application of surface reactivity analysis. <i>Surface and Interface Analysis</i> , 2002, 34, 97-99.	0.8	5
30	Accurate gas – Zeolite interaction measurements by using high pressure gravimetric volumetric adsorption method. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3191-3196.	3.8	5
31	Hydrogen storage systems using modified sorbents for application in automobile manufacturing. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10172-10181.	3.8	5
32	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.	1.9	3
33	A New Procedure for Porous Material Characterization. <i>International Journal of Science Technology and Society</i> , 2017, 5, 131.	0.1	2
34	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.	0.4	0