Dan Lupu

List of Publications by Year
in descending order

61 papers	1,375 citations	361413 20 h-index	345221 36 g-index
63 all docs	63 docs citations	63 times ranked	1858 citing authors

#	Article	IF	Citations
1	Kinetics of hydrogen adsorption in MIL-101 single pellets. International Journal of Hydrogen Energy, 2017, 42, 3064-3077.	7.1	18
2	Hydrogen absorption in 1Ânm Pd clusters confined in MIL-101(Cr). Journal of Materials Chemistry A, 2017, 5, 23043-23052.	10.3	33
3	Microwave assisted non-solvothermal synthesis of metalâ€“organic frameworks. RSC Advances, 2016, 6, 25967-25974.	3.6	25
4	Ball milling and compression effects on hydrogen adsorption by MOF:Pt/carbon mixtures. Microporous and Mesoporous Materials, 2015, 203, 195-201.	4.4	16
5	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
6	Hydrogen cryo-adsorption by hexagonal prism monoliths of MIL-101. International Journal of Hydrogen Energy, 2014, 39, 17040-17046.	7.1	29
7	Volumetric hydrogen adsorption capacity of densified MIL-101 monoliths. International Journal of Hydrogen Energy, 2013, 38, 7046-7055.	7.1	49
8	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
9	Studies on near infrared optical absorption, Raman scattering, and corresponding thermal properties of single- and double-walled carbon nanotubes for possible cancer targeting and laser-based ablation. Carbon, 2011, 49, 4403-4411.	10.3	12
10	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
11	Analytic studies of high quality singlewall carbon nanotubes synthesized on a novel Fe:Mo:MgO catalyst. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 552-558.	2.7	8
12	Investigation of carbon nanofibers as support for bioactive substances. Journal of Materials Science: Materials in Medicine, 2009, 20, 177-183.	3.6	15
13	Synthesis of narrow diameter distribution carbon nanotubes on ZnO supported catalysts. Chemical Physics Letters, 2009, 473, 299-304.	2.6	16
14	Iron containing 3dâ€“4f compounds: Effect of alternative processing on local interactions and storage properties. Journal of Alloys and Compounds, 2009, 480, 157-160.	5.5	0
15	Carbon Nanotubes: Synthesis, Properties, and Applications. Particulate Science and Technology, 2009, 27, 107-125.	2.1	118
16	Multifunctional Coatings With Carbon Nanotubes for Electrostatic Charge Mitigation and With Controllable Surface Properties. IEEE Transactions on Industry Applications, 2009, 45, 1547-1552.	4.9	6
17	Micro-Raman spectroscopy analysis of catalyst morphology for carbon nanotubes synthesis. Chemical Physics, 2008, 353, 25-31.	1.9	12
18	On the dynamical ferromagnetic, quantum Hall, and relativistic effects on the carbon nanotubes nucleation and growth mechanism. Journal of Magnetism and Magnetic Materials, 2008, 320, 540-547.	2.3	11

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19	Surface area and thermal stability effect of the MgO supported catalysts for the synthesis of carbon nanotubes. Journal of Materials Chemistry, 2008, 18, 5738.	6.7	28
20	Carbon Nanotubes Grown by RF Heating and Their Morphological and Structural Properties. Particulate Science and Technology, 2008, 26, 521-528.	2.1	2
21	CO2 enhanced carbon nanotube synthesis from pyrolysis of hydrocarbons. Chemical Communications, 2008, , 3260.	4.1	20
22	Comparative Study on Different Carbon Nanotube Materials in Terms of Transparent Conductive Coatings. Langmuir, 2008, 24, 2655-2662.	3.5	102
23	Effects of the Feâ€“Co interaction on the growth of multiwall carbon nanotubes. Journal of Chemical Physics, 2008, 129, 074712.	3.0	15
24	Cobalt nanoparticles coated with graphitic shells as localized radio frequency absorbers for cancer therapy. Nanotechnology, 2008, 19, 435102.	2.6	90
25	High-Quality Double-Walled Carbon Nanotubes Grown by a Cold-Walled Radio Frequency Chemical Vapor Deposition Process. Chemistry of Materials, 2008, 20, 3466-3472.	6.7	41
26	Advanced Functional Graphite-Coated Magnetic Nanoparticles as RF Thermal Ablation Agents for Cancer Therapies. Materials Research Society Symposia Proceedings, 2008, 1138, 1.	0.1	0
27	Hydrogen Storage in Carbon-Based Nanostructured Materials. Particulate Science and Technology, 2008, 26, 297-305.	2.1	13
28	Does the wall number of carbon nanotubes matter as conductive transparent material?. Applied Physics Letters, 2007, 91, 053115.	3.3	72
29	Influence of impurities on the x-ray photoelectron spectroscopy and Raman spectra of single-wall carbon nanotubes. Journal of Chemical Physics, 2007, 127, 154713.	3.0	7
30	Morphology of Multi-Walled Carbon Nanotubes Affected by the Thermal Stability of the Catalyst System. Chemistry of Materials, 2007, 19, 179-184.	6.7	58
31	Influence of the RF Excitation of the Catalyst System on the Morphology of Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 17970-17975.	3.1	16
32	Analysis of effluent gases during the CCVD growth of multi-wall carbon nanotubes from acetylene. Carbon, 2006, 44, 2032-2038.	10.3	34
33	Catalyst excitation by radio frequency for improved carbon nanotubes synthesis. Chemical Physics Letters, 2006, 429, 204-208.	2.6	65
34	Investigation of Electrochemical Properties of Carbon Nanofibers Prepared by CCVD Method. Particulate Science and Technology, 2006, 24, 311-320.	2.1	11
35	Nanoparticles from a Gold Complex with Sulfite Ion as Ligand: Preparation and Characterization. Particulate Science and Technology, 2005, 23, 79-83.	2.1	6
36	Carbon nanostructures produced by CCVD with induction heating. Carbon, 2004, 42, 503-507.	10.3	32

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37	Hydrogen uptake by carbon nanofibers catalyzed by palladium. International Journal of Hydrogen Energy, 2004, 29, 97-102.	7.1	83
38	Electronic Properties of Single-Wall Carbon Nanotubes and Their Dependence on Synthetic Methods. IEEE Transactions on Industry Applications, 2004, 40, 1215-1219.	4.9	11
39	Cobalt-Free Over-Stoichiometric Laves Phase Alloys for Niâ€”MH Batteries.. ChemInform, 2003, 34, no.	0.0	0
40	Cobalt-free over-stoichiometric Laves phase alloys for Niâ€“MH batteries. Journal of Alloys and Compounds, 2003, 350, 319-323.	5.5	10
41	Growth of Nanoscale Carbon Structures and Their Corresponding Hydrogen Uptake Properties. Particulate Science and Technology, 2002, 20, 225-234.	2.1	15
42	Influence of lanthanide oxides on the catalytic activity of nickel. Applied Catalysis A: General, 2002, 232, 121-128.	4.3	8
43	Hydrogen absorption and electrode properties of Zr1â^'xTixV1.2Cr0.3Ni1.5 Laves phases. Journal of Alloys and Compounds, 2000, 312, 302-306.	5.5	2
44	Surface roughening of ZrV0.5Ni1.5 hydride compacted with metal powders. Journal of Alloys and Compounds, 1999, 282, 220-224.	5.5	0
45	Hydrogen absorption and hydride electrode behaviour of the Laves phase ZrV1.5â^'xCrxNi1.5. Journal of Alloys and Compounds, 1999, 291, 289-294.	5.5	11
46	Coî—¸Mo alloy electrodeposits and charge-discharge cycling in alkaline batteries. Journal of Alloys and Compounds, 1996, 233, 192-196.	5.5	7
47	Hydrogen in some synergetic electrocatalysts. Journal of Alloys and Compounds, 1996, 245, 146-152.	5.5	3
48	Polaron Effects in the Protonic Conductor Hydrogen Uranyl Phosphate. Physica Status Solidi (B): Basic Research, 1993, 178, 281-288.	1.5	1
49	Pyroelectric Spectroscopy of the Hydrogen Uranyl Phosphate. Spectroscopy Letters, 1993, 26, 923-934.	1.0	3
50	Optical Properties of Mg₂NiH₄ and Hydrogen Diffusion*. Zeitschrift Fur Physikalische Chemie, 1993, 181, 143-150.	2.8	5
51	Optical Absorption by Small Polarons in Palladium Hydride. Physica Status Solidi (B): Basic Research, 1991, 163, 519-526.	1.5	9
52	Hydrogen Diffusion and Radiationless Electron Transfer in Metal Hydrides. Physica Status Solidi (B): Basic Research, 1989, 155, 65-72.	1.5	4
53	Isotopic effects and dehydriding kinetics in the Mg2Ni_H2(D2) system. International Journal of Hydrogen Energy, 1988, 13, 685-690.	7.1	3
54	Semiconducting properties of Mg2NiH4. International Journal of Hydrogen Energy, 1987, 12, 425-426.	7.1	31

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55	Effects of Ca additions on some Mg-alloy hydrides. International Journal of Hydrogen Energy, 1983, 8, 701-703.	7.1	7
56	Hydrogen absorption in Mgî—¸Niî—¸Fe alloys. International Journal of Hydrogen Energy, 1983, 8, 797-799.	7.1	9
57	Hydrogen absorption in beryllium substituted Mg2Ni. International Journal of Hydrogen Energy, 1982, 7, 783-785.	7.1	19
58	The influence of aluminium on the properties of the Mg2Cu-H2 system. International Journal of Hydrogen Energy, 1982, 7, 89-94.	7.1	5
59	Possible anionic clusters and mixed valence effects in transition metal chalcogenides and oxides. Journal of Physics and Chemistry of Solids, 1978, 39, 285-290.	4.0	4
60	Properties suggesting H3+-type clusters in some metallic hydrides. Journal of Physics and Chemistry of Solids, 1977, 38, 387-391.	4.0	5
61	The solubility of deuterium in LaNi5. Journal of the Less Common Metals, 1976, 49, 477-482.	0.8	48