# 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 | Carbon Nanotubes: Synthesis, Properties, and Applications. Particulate Science and Technology, 2009, 27, 107-125. | 2.1 | 118 |
| 2 | Comparative Study on Different Carbon Nanotube Materials in Terms of Transparent Conductive Coatings. Langmuir, 2008, 24, 2655-2662. | 3.5 | 102 |
| 3 | Cobalt nanoparticles coated with graphitic shells as localized radio frequency absorbers for cancer therapy. Nanotechnology, 2008, 19, 435102. | 2.6 | 90 |
| 4 | Hydrogen uptake by carbon nanofibers catalyzed by palladium. International Journal of Hydrogen Energy, 2004, 29, 97-102. | 7.1 | 83 |
| 5 | Does the wall number of carbon nanotubes matter as conductive transparent material?. Applied Physics Letters, 2007, 91, 053115. | 3.3 | 72 |
| 6 | Catalyst excitation by radio frequency for improved carbon nanotubes synthesis. Chemical Physics Letters, 2006, 429, 204-208. | 2.6 | 65 |
| 7 | 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 |
| 8 | Volumetric hydrogen adsorption capacity of densified MIL-101 monoliths. International Journal of Hydrogen Energy, 2013, 38, 7046-7055. | 7.1 | 49 |
| 9 | The solubility of deuterium in LaNi5. Journal of the Less Common Metals, 1976, 49, 477-482. | 0.8 | 48 |
| 10 | 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 |
| 11 | 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 |
| 12 | Analysis of effluent gases during the CCVD growth of multi-wall carbon nanotubes from acetylene. Carbon, 2006, 44, 2032-2038. | 10.3 | 34 |
| 13 | 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 |
| 14 | Hydrogen absorption in 1Ânm Pd clusters confined in MIL-101(Cr). Journal of Materials Chemistry A, 2017, 5, 23043-23052. | 10.3 | 33 |
| 15 | Carbon nanostructures produced by CCVD with induction heating. Carbon, 2004, 42, 503-507. | 10.3 | 32 |
| 16 | Semiconducting properties of Mg2NiH4. International Journal of Hydrogen Energy, 1987, 12, 425-426. | 7.1 | 31 |
| 17 | Hydrogen cryo-adsorption by hexagonal prism monoliths of MIL-101. International Journal of Hydrogen Energy, 2014, 39, 17040-17046. | 7.1 | 29 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Microwave assisted non-solvothermal synthesis of metalâ€“organic frameworks. RSC Advances, 2016, 6, 25967-25974. | 3.6 | 25 |
| 20 | CO2 enhanced carbon nanotube synthesis from pyrolysis of hydrocarbons. Chemical Communications, 2008, , 3260. | 4.1 | 20 |
| 21 | 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 |
| 22 | Hydrogen absorption in beryllium substituted Mg2Ni. International Journal of Hydrogen Energy, 1982, 7, 783-785. | 7.1 | 19 |
| 23 | Kinetics of hydrogen adsorption in MIL-101 single pellets. International Journal of Hydrogen Energy, 2017, 42, 3064-3077. | 7.1 | 18 |
| 24 | 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 |
| 25 | Synthesis of narrow diameter distribution carbon nanotubes on ZnO supported catalysts. Chemical Physics Letters, 2009, 473, 299-304. | 2.6 | 16 |
| 26 | Ball milling and compression effects on hydrogen adsorption by MOF:Pt/carbon mixtures. Microporous and Mesoporous Materials, 2015, 203, 195-201. | 4.4 | 16 |
| 27 | Growth of Nanoscale Carbon Structures and Their Corresponding Hydrogen Uptake Properties. Particulate Science and Technology, 2002, 20, 225-234. | 2.1 | 15 |
| 28 | Effects of the Feâ€“Co interaction on the growth of multiwall carbon nanotubes. Journal of Chemical Physics, 2008, 129, 074712. | 3.0 | 15 |
| 29 | Investigation of carbon nanofibers as support for bioactive substances. Journal of Materials Science: Materials in Medicine, 2009, 20, 177-183. | 3.6 | 15 |
| 30 | Hydrogen Storage in Carbon-Based Nanostructured Materials. Particulate Science and Technology, 2008, 26, 297-305. | 2.1 | 13 |
| 31 | Micro-Raman spectroscopy analysis of catalyst morphology for carbon nanotubes synthesis. Chemical Physics, 2008, 353, 25-31. | 1.9 | 12 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Investigation of Electrochemical Properties of Carbon Nanofibers Prepared by CCVD Method. Particulate Science and Technology, 2006, 24, 311-320. | 2.1 | 11 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Cobalt-free over-stoichiometric Laves phase alloys for Niâ€“MH batteries. Journal of Alloys and Compounds, 2003, 350, 319-323. | 5.5 | 10 |
| 38 | Hydrogen absorption in Mgî—¸Niî—¸Fe alloys. International Journal of Hydrogen Energy, 1983, 8, 797-799. | 7.1 | 9 |
| 39 | Optical Absorption by Small Polarons in Palladium Hydride. Physica Status Solidi (B): Basic Research, 1991, 163, 519-526. | 1.5 | 9 |
| 40 | Influence of lanthanide oxides on the catalytic activity of nickel. Applied Catalysis A: General, 2002, 232, 121-128. | 4.3 | 8 |
| 41 | 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 |
| 42 | Effects of Ca additions on some Mg-alloy hydrides. International Journal of Hydrogen Energy, 1983, 8, 701-703. | 7.1 | 7 |
| 43 | Coî—¸Mo alloy electrodeposits and charge-discharge cycling in alkaline batteries. Journal of Alloys and Compounds, 1996, 233, 192-196. | 5.5 | 7 |
| 44 | 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 |
| 45 | Nanoparticles from a Gold Complex with Sulfite Ion as Ligand: Preparation and Characterization. Particulate Science and Technology, 2005, 23, 79-83. | 2.1 | 6 |
| 46 | 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 |
| 47 | Properties suggesting H3+-type clusters in some metallic hydrides. Journal of Physics and Chemistry of Solids, 1977, 38, 387-391. | 4.0 | 5 |
| 48 | The influence of aluminium on the properties of the Mg2Cu-H2 system. International Journal of Hydrogen Energy, 1982, 7, 89-94. | 7.1 | 5 |
| 49 | Optical Properties of Mg<sub>2</sub>NiH<sub>4</sub> and Hydrogen Diffusion*. Zeitschrift Fur Physikalische Chemie, 1993, 181, 143-150. | 2.8 | 5 |
| 50 | 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 |
| 51 | Hydrogen Diffusion and Radiationless Electron Transfer in Metal Hydrides. Physica Status Solidi (B): Basic Research, 1989, 155, 65-72. | 1.5 | 4 |
| 52 | Isotopic effects and dehydriding kinetics in the Mg2Ni_H2(D2) system. International Journal of Hydrogen Energy, 1988, 13, 685-690. | 7.1 | 3 |
| 53 | Pyroelectric Spectroscopy of the Hydrogen Uranyl Phosphate. Spectroscopy Letters, 1993, 26, 923-934. | 1.0 | 3 |
| 54 | Hydrogen in some synergetic electrocatalysts. Journal of Alloys and Compounds, 1996, 245, 146-152. | 5.5 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | 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 |
| 56 | Carbon Nanotubes Grown by RF Heating and Their Morphological and Structural Properties. Particulate Science and Technology, 2008, 26, 521-528. | 2.1 | 2 |
| 57 | Polaron Effects in the Protonic Conductor Hydrogen Uranyl Phosphate. Physica Status Solidi (B): Basic Research, 1993, 178, 281-288. | 1.5 | 1 |
| 58 | Surface roughening of ZrV0.5Ni1.5 hydride compacted with metal powders. Journal of Alloys and Compounds, 1999, 282, 220-224. | 5.5 | 0 |
| 59 | Cobalt-Free Over-Stoichiometric Laves Phase Alloys for Niâ€"MH Batteries.. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 60 | 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 |
| 61 | 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 |