

Jasmina Grbovic Novakovic

List of Publications by Year in descending order

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43
papers

1,068
citations

304368

22
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414034

32
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45
all docs

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docs citations

45
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable hydrogen production perspective in Serbia via biogas generated from food processing wastewaters. <i>Journal of Cleaner Production</i> , 2022, 363, 132142.	4.6	6
2	Life Cycle Energy Assessment of biohydrogen production via biogas steam reforming: Case study of biogas plant on a farm in Serbia. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 14130-14137.	3.8	14
3	The Effect of Water Concentration in Ethyl Alcohol on the Environmentally Assisted Embrittlement of Austempered Ductile Irons. <i>Metals</i> , 2021, 11, 94.	1.0	4
4	DFT study of boron doped MgH ₂ : Bonding mechanism, hydrogen diffusion and desorption. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7947-7957.	3.8	17
5	The influence of mechanical milling parameters on hydrogen desorption from MgH ₂ -WO ₃ composites. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7901-7911.	3.8	11
6	Influence of Defects on the Stability and Hydrogen Sorption Behavior of Mg-Based Hydrides. <i>ChemPhysChem</i> , 2019, 20, 1216-1247.	1.0	22
7	Ab-initio study of hydrogen mobility in the vicinity of MgH ₂ /Mg interface: The role of Ti and TiO ₂ . <i>Journal of Alloys and Compounds</i> , 2017, 696, 548-559.	2.8	11
8	In-situ and Real-time Monitoring of Mechanochemical Preparation of Li ₂ Mg(NH ₂) ₃ and Na ₂ Mg(NH ₂) ₃ and Their Thermal Dehydrogenation. <i>Chemistry - A European Journal</i> , 2017, 23, 16274-16282.	1.7	21
9	In-situ desorption of magnesium hydride irradiated and non-irradiated thin films: Relation to optical properties. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2381-2388.	2.8	6
10	Abrasive wear behaviour of ADI material with various retained austenite content. <i>International Journal of Cast Metals Research</i> , 2016, 29, 187-193.	0.5	13
11	Nanostructured materials for solid-state hydrogen storage: A review of the achievement of COST Action MP1103. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14404-14428.	3.8	94
12	Fast hydrogen sorption from MgH ₂ -VO ₂ (B) composite materials. <i>Journal of Power Sources</i> , 2016, 307, 481-488.	4.0	70
13	Catalytic activity of titania polymorphs towards desorption reaction of MgH ₂ . <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4703-4711.	3.8	12
14	Tensile properties of ADI material in water and gaseous environments. <i>Materials Characterization</i> , 2015, 101, 26-33.	1.9	6
15	Combined XRD and XPS analysis of ex-situ and in-situ plasma hydrogenated magnetron sputtered Mg films. <i>Journal of Alloys and Compounds</i> , 2015, 647, 790-796.	2.8	29
16	Investigation of surface and near-surface effects on hydrogen desorption kinetics of MgH ₂ . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 862-867.	3.8	23
17	Electronic structure and charge distribution topology of MgH ₂ doped with 3d transition metals. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5874-5887.	3.8	52
18	Hydrogen desorption properties of MgH ₂ catalysed with NaNH ₂ . <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12223-12229.	3.8	13

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19	Changes in kinetic parameters of decomposition of MgH ₂ destabilized by irradiation with C ²⁺ ions. International Journal of Hydrogen Energy, 2013, 38, 12199-12206.	3.8	6
20	The potential of ball-milled Serbian natural clay for removal of heavy metal contaminants from wastewaters: Simultaneous sorption of Ni, Cr, Cd and Pb ions. Ceramics International, 2013, 39, 7173-7178.	2.3	42
21	Microstructure and hydrogen storage properties of MgH ₂ /TiB ₂ /SiC composites. Ceramics International, 2013, 39, 4399-4405.	2.3	24
22	Influence of VO ₂ nanostructured ceramics on hydrogen desorption properties from magnesium hydride. Ceramics International, 2013, 39, 51-56.	2.3	25
23	Simultaneous Removal of Divalent Heavy Metals from Aqueous Solutions Using Raw and Mechanochemically Treated Interstratified Montmorillonite/Kaolinite Clay. Industrial & Engineering Chemistry Research, 2013, 52, 7930-7939.	1.8	39
24	Hydrogen sorption properties of MgH ₂ /NaBH ₄ composites. International Journal of Hydrogen Energy, 2013, 38, 12140-12145.	3.8	21
25	Hydrogen desorption properties of MgH ₂ /LiAlH ₄ composites. International Journal of Hydrogen Energy, 2013, 38, 12152-12158.	3.8	24
26	Changes in Storage Properties of Hydrides Induced by Ion Irradiation. Medziagotyra, 2013, 19, .	0.1	2
27	Aging Effects in Irradiated MgH ₂ ; Connection to Hydrogen Production. Medziagotyra, 2013, 19, .	0.1	1
28	Electronic Principles of Hydrogen Incorporation and Dynamics in Metal Hydrides. Crystals, 2012, 2, 1261-1282.	1.0	3
29	Influence of vacant CeO ₂ nanostructured ceramics on MgH ₂ hydrogen desorption properties. Ceramics International, 2012, 38, 1181-1186.	2.3	37
30	The simple one-step solvothermal synthesis of nanostructured VO ₂ (B). Ceramics International, 2012, 38, 2313-2317.	2.3	27
31	Assessment of changes in desorption mechanism of MgH ₂ after ion bombardment induced destabilization. International Journal of Hydrogen Energy, 2012, 37, 6727-6732.	3.8	24
32	Changes of hydrogen storage properties of MgH ₂ induced by boron ion irradiation. International Journal of Hydrogen Energy, 2011, 36, 1184-1189.	3.8	37
33	Hydrogen storage properties of MgH ₂ mechanically milled with $\hat{1}\pm$ and $\hat{1}^2$ SiC. International Journal of Hydrogen Energy, 2011, 36, 549-554.	3.8	31
34	Ab initio calculations of MgH ₂ , MgH ₂ :Ti and MgH ₂ :Co compounds. International Journal of Hydrogen Energy, 2010, 35, 598-608.	3.8	65
35	Ab initio study of MgH ₂ formation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 235-238.	1.7	23
36	Structural destabilisation of MgH ₂ obtained by heavy ion irradiation. International Journal of Hydrogen Energy, 2009, 34, 7275-7282.	3.8	32

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37	Experimental and Theoretical Investigations of Cured and Uncured Disiloxane Bisbenzocyclobutene Thin Films. <i>Materials and Manufacturing Processes</i> , 2009, 24, 1180-1184.	2.7	3
38	Influence of diatomite microstructure on its adsorption capacity for Pb(II). <i>Science of Sintering</i> , 2009, 41, 309-317.	0.5	43
39	Changes of hydrogen storage properties of MgH ₂ induced by heavy ion irradiation. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1876-1879.	3.8	36
40	Hydrogen storage properties of MgH ₂ /diatomite composites obtained by high-energy ball milling. <i>Journal of Microscopy</i> , 2008, 232, 522-525.	0.8	10
41	Catalytic effect of Co on hydrogen desorption from nanostructured magnesium hydride. <i>Hemjska Industrija</i> , 2008, 62, 114-118.	0.3	0
42	Nano-micro MgH ₂ /Mg ₂ NiH ₄ composites: Tailoring a multichannel system with selected hydrogen sorption properties. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 2926-2934.	3.8	56
43	Microstructure, surface properties and hydrating behaviour of Mg/C composites prepared by ball milling with benzene. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 2088-2096.	3.8	33