Nikola B NovakoviÄ

List of Publications by Year
in descending order

39	768	516561	501076
papers	citations	16 h-index	28 g-index

40	40	40	736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress on the development of high entropy alloys (HEAs) for solid hydrogen storage: AÂreview. International Journal of Hydrogen Energy, 2022, 47, 11236-11249.	3.8	77
2	Survey of Electronic and Local Structural Properties of Cd_{1â^'}_xCo_xSe_{1â^'}_yTe(S)_y by XAFS. Journal of the Physical Society of Japan, 2022, 91, .	1.7	0
3	DFT study of boron doped MgH2: Bonding mechanism, hydrogen diffusion and desorption. International Journal of Hydrogen Energy, 2020, 45, 7947-7957.	3.8	17
4	DFT Calculations to Study Hydrogen Localization and Diffusion in Disordered Bcc Ti-V-Cr Alloys. Solid State Phenomena, 2019, 289, 205-211.	0.3	2
5	Influence of Defects on the Stability and Hydrogenâ€Sorption Behavior of Mgâ€Based Hydrides. ChemPhysChem, 2019, 20, 1216-1247.	1.0	22
6	Survey of electronic properties and local structures around Fe in selected multinary chalcogenides. Journal of Alloys and Compounds, 2019, 782, 160-169.	2.8	2
7	Bonding mechanism of some simple ionic systems: Bader topological analysis of some alkali halides and hydrides revisited. Physica B: Condensed Matter, 2018, 545, 146-151.	1.3	1
8	Ab-initio study of hydrogen mobility in the vicinity of MgH2Mg interface: The role of Ti and TiO2. Journal of Alloys and Compounds, 2017, 696, 548-559.	2.8	11
9	Structural stability and local electronic properties of some EC synthesized magnetite nanopowders. Journal of Alloys and Compounds, 2017, 697, 409-416.	2.8	9
10	In-situ desorption of magnesium hydride irradiated and non-irradiated thin films: Relation to optical properties. Journal of Alloys and Compounds, 2017, 695, 2381-2388.	2.8	6
11	Nanostructured materials for solid-state hydrogen storage: A review of the achievement of COST Action MP1103. International Journal of Hydrogen Energy, 2016, 41, 14404-14428.	3.8	94
12	Fast hydrogen sorption from MgH2â€“VO2(B) composite materials. Journal of Power Sources, 2016, 307, 481-488.	4.0	70
13	Catalytic activity of titania polymorphs towards desorption reaction of MgH2. International Journal of Hydrogen Energy, 2016, 41, 4703-4711.	3.8	12
14	Comprehensive studies of structural, electronic and magnetic properties of Zn0.95Co0.05O nanopowders. Materials Research Bulletin, 2016, 74, 78-84.	2.7	5
15	Influence on Cr and Ni doping on PbTe local structural properties. Journal of Materials Science: Materials in Electronics, 2015, 26, 10020-10026.	1.1	3
16	Electronic aspects of formation and properties of local structures around Mn in Cd 1â^'x Mn x Te 1â^'y Se y. Materials Chemistry and Physics, 2015, 167, 236-245.	2.0	7
17	Investigation of surface and near-surface effects on hydrogen desorption kinetics of MgH2. International Journal of Hydrogen Energy, 2014, 39, 862-867.	3.8	23
18	Electronic structure and charge distribution topology of MgH2 doped with 3d transition metals. International Journal of Hydrogen Energy, 2014, 39, 5874-5887.	3.8	52

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19	Determination of surface functional groups on mechanochemically activated carbon cloth by Boehm method. Tehnika, 2014, 69, 367-372.	0.0	0
20	Microstructure and hydrogen storage properties of MgH2â€“TiB2â€“SiC composites. Ceramics International, 2013, 39, 4399-4405.	2.3	24
21	Hydrogen desorption properties of MgH2/LiAlH4 composites. International Journal of Hydrogen Energy, 2013, 38, 12152-12158.	3.8	24
22	X-ray Absorption Near Edge Structure Studies of Pb1-x Mn x Te(In, Ga) Systems. International Journal of Materials Research, 2013, 104, 319-325.	0.1	1
23	Electronic Principles of Hydrogen Incorporation and Dynamics in Metal Hydrides. Crystals, 2012, 2, 1261-1282.	1.0	3
24	Changes of hydrogen storage properties of MgH2 induced by boron ion irradiation. International Journal of Hydrogen Energy, 2011, 36, 1184-1189.	3.8	37
25	Hydrogen storage properties of MgH2 mechanically milled with Î± and Î² SiC. International Journal of Hydrogen Energy, 2011, 36, 549-554.	3.8	31
26	Ab initio calculations of MgH2, MgH2:Ti and MgH2:Co compounds. International Journal of Hydrogen Energy, 2010, 35, 598-608.	3.8	65
27	ELECTRONIC PRINCIPLES OF SOME TRENDS IN PROPERTIES OF METALLIC HYDRIDES. International Journal of Modern Physics B, 2010, 24, 703-710.	1.0	6
28	XAFS studies of ytterbium doped lead-telluride. Journal of Alloys and Compounds, 2010, 501, 159-163.	2.8	15
29	Changes of structural and hydrogen desorption properties of MgH2 indused by ion irradiation. Hemijska Industrija, 2010, 64, 227-232.	0.3	0
30	Ab initio study of MgH2 formation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 235-238.	1.7	23
31	XAFS studies of nickel-doped lead telluride. Physica B: Condensed Matter, 2009, 404, 5032-5034.	1.3	10
32	Structural destabilisation of MgH2 obtained by heavy ion irradiation. International Journal of Hydrogen Energy, 2009, 34, 7275-7282.	3.8	32
33	Possibilities for tuning electronic and optical properties of oligophenylenes by selected chemical influences. Optical Materials, 2008, 30, 1103-1108.	1.7	1
34	Changes of hydrogen storage properties of MgH2 induced by heavy ion irradiation. International Journal of Hydrogen Energy, 2008, 33, 1876-1879.	3.8	36
35	First principle calculations of alkali hydride electronic structures. Journal of Physics Condensed Matter, 2007, 19, 406211.	0.7	20
36	Hydrogen desorption from nanostructured magnesium hydride composites. Hemijska Industrija, 2007, 61, 71-74.	0.3	0

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37	Structural stability of some CsCl structure HfTM (TM=Co, Rh, Ru, Fe) compounds. Intermetallics, 2006, 14, 1403-1410.	1.8	18
38	Cluster approach to the Ti2Ni structure type. Acta Crystallographica Section B: Structural Science, 2006, 62, 1-8.	1.8	7
39	MÃ¶ssbauer effect and first principle calculations of the electronic structure and hyperfine interaction parameters of Hf2Fe. Journal of Physics and Chemistry of Solids, 2005, 66, 1815-1819.	1.9	2