

CITATION REPORT

List of articles citing

Structural Phase Transitions in the Potential Hydrogen Storage Compound KBH₄ under Compression

DOI: 10.1021/jp0765042

Journal of Physical Chemistry C, 2008, 112, 8452-8457.

Source: <https://exaly.com/paper-pdf/44360028/citation-report.pdf>

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
33	Understanding and Mitigating the Effects of Stable Dodecahydro-closo-dodecaborate Intermediates on Hydrogen-Storage Reactions.		
32	An extended high pressure-temperature phase diagram of NaBH ₄ . <i>Journal of Chemical Physics</i> , 2009 , 131, 074505	3.9	12
31	Thermal Conductivity and Phase Diagrams of Some Potential Hydrogen Storage Materials Under Pressure. <i>International Journal of Thermophysics</i> , 2009 , 30, 1118-1129	2.1	17
30	Structural Phase Transitions of Mg(BH ₄) ₂ under Pressure. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 486-492	3.8	38
29	High-Pressure Investigation on Calcium Borohydride. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15087-15090	3.9	22
28	Pressure-induced transformations in diborane: a Raman spectroscopic study. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13509-15	3.4	22
27	Crystal Structures and Thermodynamic Investigations of LiK(BH ₄) ₂ , KBH ₄ , and NaBH ₄ from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 678-686	3.8	54
26	Structural and Dynamical Properties of NaBH ₄ and KBH ₄ : NMR and Synchrotron X-ray Diffraction Studies. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3712-3718	3.8	66
25	Complex Hydrides. 2010 , 117-157		3
24	Structural stability of metal hydrides, alanates and borohydrides of alkali and alkali- earth elements: A review. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 5454-5470	6.7	148
23	Cation size and anion anisotropy in structural chemistry of metal borohydrides. the peculiar pressure evolution of RbBH(4). <i>Inorganic Chemistry</i> , 2010 , 49, 5285-92	5.1	14
22	Recent applications of Raman spectroscopy to the study of complex hydrides for hydrogen storage. <i>Current Opinion in Solid State and Materials Science</i> , 2011 , 15, 62-72	12	27
21	Structural phase transitions induced by pressure in ammonium borohydride. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 7005-11	3.6	5
20	High capacity hydrogen storage: Basic aspects, new developments and milestones. <i>Nano Energy</i> , 2012 , 1, 566-589	17.1	167
19	Large Volume Collapse during Pressure-Induced Phase Transition in Lithium Amide. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9744-9749	3.8	29
18	New perspectives on potential hydrogen storage materials using high pressure. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14524-47	3.6	63
17	Tight-binding studies of bulk properties and hydrogen vacancies in KBH ₄ . <i>Computational Materials Science</i> , 2013 , 79, 888-895	3.2	3

16	First-principles prediction for the stability of LiK. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 1539-1544	1.3	4
15	High-pressure polymorphism as a step towards high density structures of LiAlH ₄ . <i>Applied Physics Letters</i> , 2015 , 107, 041906	3.4	3
14	The crystal chemistry of inorganic metal borohydrides and their relation to metal oxides. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015 , 71, 619-40	1.8	46
13	Structural evolution and electronic mechanism for KBH ₄ phase transition from first-principles calculations. <i>Chemical Physics Letters</i> , 2015 , 620, 88-91	2.5	
12	High-Pressure Study of Mn(BH ₄) ₂ Reveals a Stable Polymorph with High Hydrogen Density. <i>Chemistry of Materials</i> , 2016 , 28, 274-283	9.6	13
11	A Novel High-Density Phase and Amorphization of Nitrogen-Rich 1H-Tetrazole (CHN) under High Pressure. <i>Scientific Reports</i> , 2017 , 7, 39249	4.9	10
10	Metal borohydrides and derivatives - synthesis, structure and properties. <i>Chemical Society Reviews</i> , 2017 , 46, 1565-1634	58.5	249
9	Properties and Applications of Metal (M) dodecahydro-closo-dodecaborates (Mn=1,2B ₁₂ H ₁₂) and Their Implications for Reversible Hydrogen Storage in the Borohydrides. <i>Inorganics</i> , 2018 , 6, 106	2.9	9
8	Exploration of the Energetic Material Ammonium Perchlorate at High Pressures: Combined Raman Spectroscopy and X-ray Diffraction Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15937-15944	3.8	8
7	DFT study of [BH ₄] ⁻ rotation in pressure-driven phase transition of MBH ₄ . <i>Computational Materials Science</i> , 2018 , 154, 143-146	3.2	
6	Pressure-induced the formation of Mg(CH ₃) ₂ and Ca(CH ₃) ₂ studied by the first principles. <i>Solid State Communications</i> , 2020 , 320, 114027	1.6	
5	A Review of High Density Solid Hydrogen Storage Materials by Pyrolysis for Promising Mobile Applications. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2737-2771	3.9	12
4	Synthesis and crystal structure of alkali metal borohydrides LiBH ₄ , NaBH ₄ , KBH ₄ , RbBH ₄ and CsBH ₄ . 2018 , 282-289		
3	Complex Metal Borohydrides: From Laboratory Oddities to Prime Candidates in Energy Storage Applications.. <i>Materials</i> , 2022 , 15,	3.5	0
2	Efficiency of TiO ₂ -supported Ni-Mo-RuB catalyst for hydrogen production from potassium borohydride hydrolysis. <i>Journal of the Australian Ceramic Society</i> , 1	1.5	0
1	Metal boride-decorated CoNi layered double hydroxides supported on multi-walled carbon nanotubes as efficient hydrolysis catalysts for sodium borohydride. 2022 , 167339		0