

CITATION REPORT

List of articles citing

Pressure induced structural changes in the potential hydrogen storage compound ammonia borane: A combined X-ray, neutron and theoretical investigation

DOI: 10.1016/j.cplett.2010.06.044

Chemical Physics Letters, 2010, 495, 203-207.

Source: <https://exaly.com/paper-pdf/48370596/citation-report.pdf>

Version: 2024-04-19

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
27	Low Temperature Phase Diagram of NH ₃ BH ₃ . <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1309, 101		
26	Phase coexistence and hysteresis effects in the pressure-temperature phase diagram of NH ₃ BH ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	17
25	In situ Raman spectroscopic study of the pressure induced structural changes in ammonia borane. <i>Journal of Chemical Physics</i> , 2012 , 137, 074506	3.9	15
24	High pressure study on structural and vibrational properties of NH ₃ BH ₃ . <i>Journal of Physics: Conference Series</i> , 2012 , 377, 012088	0.3	3
23	Experimental and Theoretical Studies on a High Pressure Monoclinic Phase of Ammonia Borane. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2172-2178	3.8	37
22	In Situ High-Pressure and Low-Temperature Study of Ammonia Borane by Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2123-2131	3.8	22
21	First-Principles Study on the Mechanisms for H ₂ Formation in Ammonia Borane at Ambient and High Pressure. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2146-2152	3.8	16
20	New perspectives on potential hydrogen storage materials using high pressure. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14524-47	3.6	63
19	Characterization of a high pressure, high temperature modification of ammonia borane (BH ₃ NH ₃). <i>Journal of Chemical Physics</i> , 2013 , 139, 054507	3.9	11
18	Ammonia borane at low temperature down to 90 K and high pressure up to 15 GPa. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 4628-4635	6.7	14
17	Ammonia borane at high pressures. <i>Science Bulletin</i> , 2014 , 59, 5227-5234		3
16	Dihydrogen Bonding in Compressed Ammonia Borane and Its Roles in Structural Stability. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 29591-29598	3.8	18
15	Dynamical stability of Pmn21 phase of NH ₃ BH ₃ : a vdW density functional study. <i>Philosophical Magazine Letters</i> , 2014 , 94, 278-287	1	2
14	Experimental verification of the high pressure crystal structures in NH ₃ BH ₃ . <i>Journal of Chemical Physics</i> , 2014 , 140, 244507	3.9	10
13	Positional disorder in ammonia borane at ambient conditions. <i>Physical Review B</i> , 2014 , 89,	3.3	5
12	High-pressure storage of hydrogen fuel: ammonia borane and its related compounds. <i>Science Bulletin</i> , 2014 , 59, 5235-5240		14
11	Pressure-Induced Insertion of Ammonia Borane in the Siliceous Zeolite, Silicalite-1F. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9334-9340	3.8	14

10	Ammonia borane, a material with exceptional properties for chemical hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9978-10013	6.7	164
9	Pressure-induced structural changes in Methylamine borane and dimethylamine borane. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 953-961	5.7	2
8	Structural and Dynamic Properties of the High-Pressure, High-Temperature Phase of Solid Ammonia Borane. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6326-6332	3.8	4
7	The structural phase transition of ammonia borane under high pressure. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 33047-33058	6.7	3
6	Ammonia Borane: An Extensively Studied, Though Not Yet Implemented, Hydrogen Carrier. <i>Energies</i> , 2020 , 13, 3071	3.1	18
5	Ammonia borane structural study by temperature through high-resolution Raman spectroscopy and principal component analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 241, 118661	4.4	1
4	Neutron scattering studies of materials for hydrogen storage. 2021 ,		3
3	Observation of Dihydrogen Bonds in High-Pressure Phases of Ammonia Borane by X-ray and Neutron Diffraction Measurements. <i>Inorganic Chemistry</i> , 2021 , 60, 3065-3073	5.1	4
2	Pressure-Induced Evolution of Crystal and Electronic Structure of Ammonia Borane. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2036-2043	6.4	2
1	Raman Spectroscopy of Ammonia Borane at Low Temperature and High Pressure. 331-338		1