

Daniel Reed

List of Publications by Year in descending order

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19
papers

526
citations

623734

14
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

588
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of the Dehydrogenated Product of $\text{Ca}(\text{BH}_4)_2$. Journal of Physical Chemistry C, 2009, 113, 5865-5871.	3.1	82
2	Effect of Hydrogen Back Pressure on Dehydrogenation Behavior of LiBH_4 -Based Reactive Hydride Composites. Journal of Physical Chemistry Letters, 2010, 1, 59-63.	4.6	76
3	Mixed-Anion and Mixed-Cation Borohydride $\text{KZn}(\text{BH}_4)_2\text{Cl}_2$: Synthesis, Structure and Thermal Decomposition. European Journal of Inorganic Chemistry, 2010, 2010, 1608-1612.	2.0	48
4	Hydrogen Storage Capacity Loss in a LiBH_4 -Al Composite. Journal of Physical Chemistry C, 2013, 117, 7423-7432.	3.1	45
5	Structural studies of lithium zinc borohydride by neutron powder diffraction, Raman and NMR spectroscopy. Journal of Alloys and Compounds, 2011, 509, S698-S704.	5.5	40
6	Ti-V-Mn based metal hydrides for hydrogen compression applications. Journal of Alloys and Compounds, 2015, 645, S400-S403.	5.5	34
7	Recent applications of Raman spectroscopy to the study of complex hydrides for hydrogen storage. Current Opinion in Solid State and Materials Science, 2011, 15, 62-72.	11.5	31
8	Ti-V-Mn based metal hydrides for hydrogen storage. Journal of Alloys and Compounds, 2013, 580, S233-S237.	5.5	31
9	Decomposition behaviour of $\text{Mn}(\text{BH}_4)_2$ formed by ball-milling LiBH_4 and MnCl_2 . Journal of Alloys and Compounds, 2012, 515, 32-38.	5.5	27
10	Thermodynamically neutral Kubas-type hydrogen storage using amorphous Cr(III) alkyl hydride gels. Physical Chemistry Chemical Physics, 2015, 17, 9480-9487.	2.8	24
11	Effect of the calcium halides, CaCl_2 and CaBr_2 , on hydrogen desorption in the Li-Mg-N-H system. Journal of Alloys and Compounds, 2015, 645, S96-S99.	5.5	17
12	Hydrogenation reaction of CaH_2 - CaB_6 -Mg mixture. Journal of Alloys and Compounds, 2010, 492, 597-600.	5.5	16
13	Observation of TiH_5 and TiH_7 in Bulk-Phase TiH_3 Gels for Kubas-Type Hydrogen Storage. Chemistry of Materials, 2013, 25, 4765-4771.	6.7	15
14	Investigation of dehydrogenation processes in disordered δ - $\text{Mg}(\text{BH}_4)_2$. Journal of Alloys and Compounds, 2013, 580, S296-S300.	5.5	14
15	Study of the NaBH_4 - NaBr system and the behaviour of its low temperature phase transition. International Journal of Hydrogen Energy, 2017, 42, 22538-22543.	7.1	9
16	Development and design of a narrow-gauge hydrogen-hybrid locomotive. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 181-192.	2.0	7
17	High-Pressure Raman and Calorimetry Studies of Vanadium(III) Alkyl Hydrides for Kubas-Type Hydrogen Storage. ChemPhysChem, 2016, 17, 822-828.	2.1	6
18	Hydrogen release and uptake in the Li-Zn-N system. Journal of Alloys and Compounds, 2015, 645, S295-S298.	5.5	4

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19	High-Pressure Raman and Calorimetry Studies of Vanadium(III) Alkyl Hydrides for Kubas-Type Hydrogen Storage. ChemPhysChem, 2016, 17, 780-780.	2.1	0