

Torben Rene Jensen

List of Publications by Year in Descending Order

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

292
papers

12,750
citations

59
h-index

98
g-index

320
ext. papers

14,441
ext. citations

6.1
avg, IF

6.45
L-index

#	Paper	IF	Citations
292	New perspectives of functional metal borohydrides. <i>Journal of Alloys and Compounds</i> , 2022 , 896, 163014	5.7	4
291	Dynamical properties of lithium borohydride–ammine composite LiBH ₄ –NH ₃ : A nuclear magnetic resonance study. <i>Journal of Alloys and Compounds</i> , 2022 , 894, 162446	5.7	1
290	Fast Room-Temperature Mg Conductivity in Mg(BH ₄) ₂ –6NH ₃ –AlO Nanocomposites.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2211-2216	6.4	1
289	Molecular Dynamics in Ag ₂ B ₁₂ H ₁₂ Studied by Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5534-5541	3.8	3
288	NMR Study of the Dynamical Properties of LiLa(BH ₄) ₃ Br and LiLa(BH ₄) ₃ I. <i>Applied Magnetic Resonance</i> , 2021 , 52, 595-606	0.8	3
287	Iodine-Substituted Lithium/Sodium -Decaborates: Syntheses, Characterization, and Solid-State Ionic Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17554-17564	9.5	11
286	Lithium-ion diffusivity in complex hydrides: Pulsed-field-gradient NMR studies of LiLa(BH ₄) ₃ Cl, Li ₃ (NH ₂) ₂ I and Li-1-CB ₉ H ₁₀ . <i>Solid State Ionics</i> , 2021 , 362, 115585	3.3	3
285	Synthesis and crystal structures of decahydro-closo-decaborates of the divalent cations of strontium and manganese. <i>Journal of Solid State Chemistry</i> , 2021 , 298, 122133	3.3	3
284	Polymorphism of Calcium Decahydrido--decaborate and Characterization of Its Hydrates. <i>Inorganic Chemistry</i> , 2021 , 60, 10943-10957	5.1	4
283	Neutron Scattering Investigations of the Global and Local Structures of Ammine Yttrium Borohydrides. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 15415-15423	3.8	1
282	¹¹ B Nuclear Spin–Electron Spin Interactions in ¹¹ B MAS NMR Spectra of Paramagnetic Metal Borohydrides. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1113-1124	3.8	0
281	Interplay between the Reorientational Dynamics of the BH Anion and the Structure in KBH. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3716-3724	3.8	7
280	Structural and dynamic studies of Pr(11BH ₄) ₃ . <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 321266	3.134	1
279	Interface controlled solid-state lithium storage performance in free-standing bismuth nanosheets. <i>Dalton Transactions</i> , 2021 , 50, 252-261	4.3	7
278	Trends in the Series of Ammine Rare-Earth-Metal Borohydrides: Relating Structural and Thermal Properties. <i>Inorganic Chemistry</i> , 2021 , 60, 2573-2589	5.1	3
277	Synthesis, Crystal Structures and Thermal Properties of Ammine Barium Borohydrides. <i>Inorganics</i> , 2020 , 8, 57	2.9	1
276	Hydroxylated closo-Dodecaborates M ₂ B ₁₂ (OH) ₁₂ (M = Li, Na, K, and Cs); Structural Analysis, Thermal Properties, and Solid-State Ionic Conductivity. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11340-11349	3.8	5

275	Ammine Lanthanum and Cerium Borohydrides, (BH) ₃ NH ₂ ; Trends in Synthesis, Structures, and Thermal Properties. <i>Inorganic Chemistry</i> , 2020 , 59, 7768-7778	5.1	7
274	The mechanism of Mg conduction in ammine magnesium borohydride promoted by a neutral molecule. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9204-9209	3.6	33
273	Ammonia-assisted fast Li-ion conductivity in a new hemiammine lithium borohydride, LiBH ₂ /2NH ₃ . <i>Chemical Communications</i> , 2020 , 56, 3971-3974	5.8	30
272	Understanding Superionic Conductivity in Lithium and Sodium Salts of Weakly Coordinating Closo-Hexahalocarborate Anions. <i>Chemistry of Materials</i> , 2020 , 32, 1475-1487	9.6	21
271	Probing the local symmetry of Tb ³⁺ in borohydrides using luminescence spectroscopy. <i>Journal of Luminescence</i> , 2020 , 221, 117065	3.8	6
270	Hydrogen Sorption and Reversibility of the LiBH ₄ -KBH ₄ Eutectic System Confined in a CMK-3 Type Carbon via Melt Infiltration. <i>Journal of Carbon Research</i> , 2020 , 6, 19	3.3	3
269	Interplay of NH ₄ ⁺ and BH ₄ ⁻ reorientational dynamics in NH ₄ BH ₄ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	6
268	Heat capacity and thermodynamic properties of alkali and alkali-earth borohydrides. <i>Journal of Chemical Thermodynamics</i> , 2020 , 143, 106055	2.9	3
267	Materials for hydrogen-based energy storage [past, recent progress and future outlook. <i>Journal of Alloys and Compounds</i> , 2020 , 827, 153548	5.7	264
266	Nanoconfinement of Molecular Magnesium Borohydride Captured in a Bipyridine-Functionalized Metal-Organic Framework. <i>ACS Nano</i> , 2020 , 14, 10294-10304	16.7	20
265	Ammonium-Ammonia Complexes, NH ₃ , in Ammonium -Borate Amines: Synthesis, Structure, and Properties. <i>Inorganic Chemistry</i> , 2020 , 59, 11449-11458	5.1	4
264	Structural Diversity and Trends in Properties of an Array of Hydrogen-Rich Ammonium Metal Borohydrides. <i>Inorganic Chemistry</i> , 2020 , 59, 12733-12747	5.1	9
263	Nanoscale MgB ₂ via Surfactant Ball Milling of MgB ₂ : Morphology, Composition, and Improved Hydrogen Storage Properties. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21761-21771	3.8	7
262	Ammine Magnesium Borohydride Nanocomposites for All-Solid-State Magnesium Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9264-9270	6.1	19
261	Mechanochemistry of Metal Hydrides: Recent Advances. <i>Materials</i> , 2019 , 12,	3.5	41
260	Magnesium based materials for hydrogen based energy storage: Past, present and future. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7809-7859	6.7	264
259	Potassium octahydridotriborate: diverse polymorphism in a potential hydrogen storage material and potassium ion conductor. <i>Dalton Transactions</i> , 2019 , 48, 8872-8881	4.3	19
258	Trends in Synthesis, Crystal Structure, and Thermal and Magnetic Properties of Rare-Earth Metal Borohydrides. <i>Inorganic Chemistry</i> , 2019 , 58, 5503-5517	5.1	24

257	Decomposition pathway of KAlH altered by the addition of ALS. <i>Dalton Transactions</i> , 2019 , 48, 5048-5057	4.3	0
256	Complexation of Ammonia Boranes with Al. <i>Inorganic Chemistry</i> , 2019 , 58, 4753-4760	5.1	4
255	The interconversion between THF[BH and BH: an efficient synthetic method for MBH (M = Li and Na). <i>Dalton Transactions</i> , 2019 , 48, 5140-5143	4.3	8
254	Full-cell hydride-based solid-state Li batteries for energy storage. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7875-7887	6.7	37
253	Comment on Bi-functional Li ₂ B ₁₂ H ₁₂ for energy storage and conversion applications: solid-state electrolyte and luminescent down-conversion dye by J. A. Teprovich Jr, H. ColB-Mercado, A. L. Washington II, P. A. Ward, S. Greenway, D. M. Missimer, H. Hartman, J. Velten, J. H. Christian and R. Zidan, <i>J. Mater. Chem. A</i> , 2015 , 3, 22853. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4185-4187	13	6
252	Reversible ammonia-based and liquid organic hydrogen carriers for high-density hydrogen storage: Recent progress. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7746-7767	6.7	87
251	Molten metal closo-borate solvates. <i>Chemical Communications</i> , 2019 , 55, 3410-3413	5.8	7
250	Reactivity of magnesium borohydride [Metal hydride composites, [Mg(BH ₄) ₂ -MH _x , M = Li, Na, Mg, Ca. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 1155-1163	5.7	11
249	Crystal Structures and Energy Storage Properties of Ammine Sodium Decahydro-closo-decaboranes (Na ₂ B ₁₀ H ₁₀ nNH ₃ , n = 1, 2). <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20160-20166	3.8	6
248	Analysis of Dihydrogen Bonding in Ammonium Borohydride. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 28631-28639	3.8	14
247	Future perspectives of thermal energy storage with metal hydrides. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7738-7745	6.7	75
246	Complex hydrides for energy storage. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7860-7874	6.7	82
245	Hydrogen sorption in TiZrNbHfTa high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 667-674	4.7	86
244	Structure and Hydrogenation Properties of a HfNbTiVZr High-Entropy Alloy. <i>Inorganic Chemistry</i> , 2018 , 57, 2103-2110	5.1	80
243	Design of a Nanometric AlTi Additive for MgB ₂ -Based Reactive Hydride Composites with Superior Kinetic Properties. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7642-7655	3.8	22
242	Kinetics and thermodynamics of hydrogenation-dehydrogenation for Mg-25%TM (TM = Ti, Nb or V) composites synthesized by reactive ball milling in hydrogen. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 16804-16814	6.7	38
241	From Metal Hydrides to Metal Borohydrides. <i>Inorganic Chemistry</i> , 2018 , 57, 10768-10780	5.1	30
240	Hydrogenation properties of lithium and sodium hydride - closo-borate, [BH] and [BH], composites. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 16266-16275	3.6	14

239	Synthesis and thermal decomposition of potassium tetraamidoboranealuminum, $K[Al(NH_2BH_3)_4]$. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 311-321	6.7	11
238	Disorder induced polymorphic transitions in the high hydrogen density compound $Sr(BH)(NHBH)$. <i>Dalton Transactions</i> , 2018 , 47, 16737-16746	4.3	4
237	Synthesis, structure, and polymorphic transitions of praseodymium(iii) and neodymium(iii) borohydride, $Pr(BH)$ and $Nd(BH)$. <i>Dalton Transactions</i> , 2018 , 47, 8307-8319	4.3	17
236	Reorientational Motions and Ionic Conductivity in $(NH_4)_2B_{10}H_{10}$ and $(NH_4)_2B_{12}H_{12}$. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 17073-17079	3.8	6
235	Compaction of $LiBH_4$ - $LiAlH_4$ nanoconfined in activated carbon nanofibers: Dehydrogenation kinetics, reversibility, and mechanical stability during cycling. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 1036-1047	6.7	11
234	Hydrogen - A sustainable energy carrier. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 34-40	3.6	297
233	Metal borohydrides and derivatives - synthesis, structure and properties. <i>Chemical Society Reviews</i> , 2017 , 46, 1565-1634	58.5	249
232	Nanostructured and Complex Hydrides for Hydrogen Storage 2017 , 415-432		5
231	Nanoconfined $NaAlH$ Conversion Electrodes for Li Batteries. <i>ACS Omega</i> , 2017 , 2, 1956-1967	3.9	11
230	Multifunctionality of silver closo-boranes. <i>Nature Communications</i> , 2017 , 8, 15136	17.4	48
229	$Li_5(BH_4)_3NH$: Lithium-Rich Mixed Anion Complex Hydride. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11069-11075	3.8	13
228	In situ investigations of bimetallic potassium erbium borohydride. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22468-22474	6.7	13
227	A $NaAlH_4$ - $Ca(BH_4)_2$ composite system for hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2017 , 720, 497-501	5.7	10
226	Synthesis, structures and thermal decomposition of ammine MBH complexes ($M = Li, Na, Ca$). <i>Dalton Transactions</i> , 2017 , 46, 7770-7781	4.3	8
225	Halogenated Sodium-closo-Dodecaboranes as Solid-State Ion Conductors. <i>Chemistry of Materials</i> , 2017 , 29, 3423-3430	9.6	50
224	Fluoride substitution in $LiBH$; destabilization and decomposition. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30157-30165	3.6	21
223	Phase diagrams of the $LiBH$ - $NaBH$ - KBH system. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25071-25078	3.8	15
222	Synthesis, structure and properties of bimetallic sodium rare-earth (RE) borohydrides, $NaRE(BH)$, RE = Ce, Pr, Er or Gd. <i>Dalton Transactions</i> , 2017 , 46, 13421-13431	4.3	13

221	Reversibility of LiBH ₄ Facilitated by the LiBH ₄ -Ca(BH ₄) ₂ Eutectic. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18439-18449	3.8	13
220	Synthesis, Structure, and Li-Ion Conductivity of LiLa(BH ₄) ₃ X, X = Cl, Br, I. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19010-19021	3.8	28
219	Perovskite alkali metal samarium borohydrides: crystal structures and thermal decomposition. <i>Dalton Transactions</i> , 2017 , 46, 11905-11912	4.3	10
218	Complex Metal Hydrides for Hydrogen, Thermal and Electrochemical Energy Storage. <i>Energies</i> , 2017 , 10, 1645	3.1	104
217	Hydrogen Sorption in Erbium Borohydride Composite Mixtures with LiBH ₄ and/or LiH. <i>Inorganics</i> , 2017 , 5, 31	2.9	19
216	Hydrogen Storage Stability of Nanoconfined MgH ₂ upon Cycling. <i>Inorganics</i> , 2017 , 5, 57	2.9	16
215	Lithium Ion Disorder and Conduction Mechanism in LiCe(BH ₄) ₃ Cl. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19035-19042	3.8	19
214	Metal borohydride formation from aluminium boride and metal hydrides. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27545-27553	3.6	13
213	From M(BH) (M = La, Ce) Borohydride Frameworks to Controllable Synthesis of Porous Hydrides and Ion Conductors. <i>Inorganic Chemistry</i> , 2016 , 55, 9748-9756	5.1	26
212	Solid state synthesis, structural characterization and ionic conductivity of bimetallic alkali-metal yttrium borohydrides MY(BH ₄) ₄ (M = Li and Na). <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8793-8802	13	31
211	Synthesis, structure and properties of new bimetallic sodium and potassium lanthanum borohydrides. <i>Dalton Transactions</i> , 2016 , 45, 19002-19011	4.3	21
210	Thermal decomposition of sodium amide, NaNH ₂ , and sodium amide hydroxide composites, NaNH ₂ -NaOH. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 25257-25264	3.6	14
209	Nuclear Magnetic Resonance Study of Molecular Dynamics in Ammine Metal Borohydride Sr(BH ₄) ₂ (NH ₃) ₂ . <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24646-24654	3.8	12
208	The influence of LiH on the rehydrogenation behavior of halide free rare earth (RE) borohydrides (RE = Pr, Er). <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 24387-95	3.6	23
207	Reaction Pathways in Ca(BH ₄) ₂ -NaNH ₂ and Mg(BH ₄) ₂ -NaNH ₂ Hydrogen-Rich Systems. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 8428-8435	3.8	15
206	Integration of phase change materials in compressed hydrogen gas systems: Modelling and parametric analysis. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 1060-1073	6.7	9
205	Cyclic stability and structure of nanoconfined Ti-doped NaAlH ₄ . <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 4159-4167	6.7	12
204	A thermodynamic investigation of the LiBH ₄ -NaBH ₄ system. <i>RSC Advances</i> , 2016 , 6, 60101-60108	3.7	20

203	Review of magnesium hydride-based materials: development and optimisation. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	212
202	Metal boranes: Progress and applications. <i>Coordination Chemistry Reviews</i> , 2016 , 323, 60-70	23.2	94
201	Mg-based compounds for hydrogen and energy storage. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	121
200	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
199	Sulfurized metal borohydrides. <i>Dalton Transactions</i> , 2016 , 45, 639-45	4.3	9
198	Synthesis and decomposition of Li ₃ Na(NH ₂) ₄ and investigations of Li-Na-N-H based systems for hydrogen storage. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1735-42	3.6	10
197	Synthesis and thermal stability of perovskite alkali metal strontium borohydrides. <i>Dalton Transactions</i> , 2016 , 45, 831-40	4.3	17
196	2LiBH ₄ /MgH ₂ nanoconfined into carbon aerogel scaffold impregnated with ZrCl ₄ for reversible hydrogen storage. <i>Materials Chemistry and Physics</i> , 2016 , 169, 136-141	4.4	23
195	Complex and liquid hydrides for energy storage. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	64
194	Hydrogen Desorption Properties of Bulk and Nanoconfined LiBH ₄ -NaAlH ₄ . <i>Crystals</i> , 2016 , 6, 70	2.3	12
193	Disorder, dynamic and entropy effects in the solid state 2016 ,		1
192	Mg ₂ Ti nanoparticles with superior kinetics for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 14447-14454	6.7	44
191	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	6.7	74
190	Barium borohydride chlorides: synthesis, crystal structures and thermal properties. <i>Dalton Transactions</i> , 2016 , 45, 8291-9	4.3	6
189	Destabilization of lithium hydride and the thermodynamic assessment of the Li-Al-H system for solar thermal energy storage. <i>RSC Advances</i> , 2016 , 6, 94927-94933	3.7	15
188	Synthesis, Structures and Dehydrogenation Properties of Zinc Borohydride Ethylenediamine Complexes. <i>ChemistrySelect</i> , 2016 , 1, 752-755	1.8	4
187	Manganese borohydride; synthesis and characterization. <i>Dalton Transactions</i> , 2015 , 44, 3988-96	4.3	40
186	Crystal structure and in situ decomposition of Eu(BH ₄) ₂ and Sm(BH ₄) ₂ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 691-698	13	39

185	Melting Behavior and Thermolysis of NaBH ₄ /Mg(BH ₄) ₂ and NaBH ₄ /Ca(BH ₄) ₂ Composites. <i>Energies</i> , 2015 , 8, 2701-2713	3.1	18
184	Hydrogen sorption and reaction mechanisms of nanoconfined 2LiBH ₄ /NaAlH ₄ . <i>Journal of Alloys and Compounds</i> , 2015 , 633, 484-493	5.7	21
183	Trends in Syntheses, Structures, and Properties for Three Series of Ammine Rare-Earth Metal Borohydrides, M(BH ₄) ₃ ·nNH ₃ (M = Y, Gd, and Dy). <i>Inorganic Chemistry</i> , 2015 , 54, 7402-14	5.1	36
182	Hydrogen Storage Properties of Nanoconfined LiBH ₄ /Mg ₂ NiH ₄ Reactive Hydride Composites. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5819-5826	3.8	36
181	Challenges in the synthetic routes to Mn(BH ₄) ₂ : insight into intermediate compounds. <i>Dalton Transactions</i> , 2015 , 44, 6571-80	4.3	18
180	Scandium functionalized carbon aerogel: Synthesis of nanoparticles and structure of a new ScOCl and properties of NaAlH ₄ as a function of pore size. <i>Journal of Solid State Chemistry</i> , 2015 , 231, 190-197	3.3	5
179	Hydrogen desorption and cycling properties of composites based on mesoporous carbons and a LiBH ₄ /Ca(BH ₄) ₂ eutectic mixture. <i>Journal of Alloys and Compounds</i> , 2015 , 645, S480-S484	5.7	12
178	Ammine-Stabilized Transition-Metal Borohydrides of Iron, Cobalt, and Chromium: Synthesis and Characterization. <i>Inorganic Chemistry</i> , 2015 , 54, 10477-82	5.1	24
177	In situ X-ray diffraction environments for high-pressure reactions. <i>Journal of Applied Crystallography</i> , 2015 , 48, 1234-1241	3.8	60
176	Hydrogen storage properties of nanoconfined LiBH ₄ /Ca(BH ₄) ₂ . <i>Nano Energy</i> , 2015 , 11, 96-103	17.1	51
175	Mapping the complete bonding network in KBH ₄ using the combined power of powder diffraction and maximum entropy method. <i>Computational and Theoretical Chemistry</i> , 2015 , 1053, 245-253	2	7
174	Mechanism and kinetics of early transition metal hydrides, oxides, and chlorides to enhance hydrogen release and uptake properties of MgH ₂ . <i>Powder Diffraction</i> , 2015 , 30, S9-S15	1.8	17
173	Hydrogen storage properties of nanoconfined LiBH ₄ /NaBH ₄ . <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 14916-14924	6.7	28
172	Phase Diagram for the NaBH ₄ /KBH ₄ System and the Stability of a Na _{1-x} K _x BH ₄ Solid Solution. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27919-27929	3.8	21
171	A composite of complex and chemical hydrides yields the first Al-based amidoborane with improved hydrogen storage properties. <i>Chemistry - A European Journal</i> , 2015 , 21, 14562-70	4.8	25
170	Ammine Calcium and Strontium Borohydrides: Syntheses, Structures, and Properties. <i>ChemSusChem</i> , 2015 , 8, 3472-82	8.3	16
169	Tailoring the properties of ammine metal borohydrides for solid-state hydrogen storage. <i>ChemSusChem</i> , 2015 , 8, 1452-63	8.3	47
168	Effect of Eutectic Melting, Reactive Hydride Composites, and Nanoconfinement on Decomposition and Reversibility of LiBH ₄ /KBH ₄ . <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25818-25825	3.8	26

167	Alkali metal Yttrium borohydrides: The link between coordination of small and large rare-earth. <i>Journal of Solid State Chemistry</i> , 2015 , 225, 231-239	3.3	24
166	Synthesis, Crystal Structure, Thermal Decomposition, and ¹¹ B MAS NMR Characterization of Mg(BH ₄) ₂ (NH ₃ BH ₃) ₂ . <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12141-12153	3.8	33
165	Structure and thermal properties of composites with RE-borohydrides (RE = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Er, Yb or Lu) and LiBH ₄ . <i>RSC Advances</i> , 2014 , 4, 1570-1582	3.7	56
164	Hydrogen reversibility of LiBH ₄ /MgH ₂ composites. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8970-8976	3.6	21
163	Eutectic melting of LiBH ₄ -KBH ₄ . <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24194-9	3.6	43
162	Novel solvates M(BH ₄) ₂ (CH ₃) ₂ and properties of halide-free M(BH ₄) ₂ (M = Y or Gd). <i>Dalton Transactions</i> , 2014 , 43, 13333-42	4.3	47
161	A novel intermediate in the LiAlH ₄ -LiNH ₂ hydrogen storage system. <i>Dalton Transactions</i> , 2014 , 43, 3095-103	4.3	12
160	Halide substitution in Ca(BH ₄) ₂ . <i>RSC Advances</i> , 2014 , 4, 4736-4742	3.7	19
159	Characterization of Gas-Solid Reactions using In Situ Powder X-ray Diffraction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 3029-3043	1.3	28
158	Supercritical N ₂ processing as a route to the clean dehydrogenation of porous Mg(BH ₄) ₂ . <i>Journal of the American Chemical Society</i> , 2014 , 136, 8181-4	16.4	22
157	Nanoconfinement degradation in NaAlH ₄ /CMK-1. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 11103-11109	6.7	29
156	Effective nanoconfinement of 2LiBH ₄ /MgH ₂ via simply MgH ₂ premilling for reversible hydrogen storages. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15614-15626	6.7	34
155	Hydrogen storage systems from waste Mg alloys. <i>Journal of Power Sources</i> , 2014 , 270, 554-563	8.9	60
154	Thermal Decomposition of Mn(BH ₄) ₂ /M(BH ₄) _x and Mn(BH ₄) ₂ /MH _x Composites with M = Li, Na, Mg, and Ca. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23567-23574	3.8	12
153	Bed geometries, fueling strategies and optimization of heat exchanger designs in metal hydride storage systems for automotive applications: A review. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 17054-17074	6.7	45
152	Nanoconfined NaAlH ₄ : prolific effects from increased surface area and pore volume. <i>Nanoscale</i> , 2014 , 6, 599-607	7.7	39
151	B1-Mobilstor: Materials for Sustainable Energy Storage Techniques Lithium Containing Compounds for Hydrogen and Electrochemical Energy Storage. <i>Advanced Engineering Materials</i> , 2014 , 16, 1189-1195	3.5	14
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