

Bjarne R S Hansen

List of Publications by Year in descending order

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papers

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932766

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1058022

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docs citations

15
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen storage systems from waste Mg alloys. Journal of Power Sources, 2014, 270, 554-563.	4.0	75
2	Halogenated Sodium-closo-Dodecaboranes as Solid-State Ion Conductors. Chemistry of Materials, 2017, 29, 3423-3430.	3.2	73
3	In situ X-ray diffraction environments for high-pressure reactions. Journal of Applied Crystallography, 2015, 48, 1234-1241.	1.9	67
4	Multifunctionality of silver closo-boranes. Nature Communications, 2017, 8, 15136.	5.8	66
5	Hydrogen Storage Capacity Loss in a LiBH ₄ -Al Composite. Journal of Physical Chemistry C, 2013, 117, 7423-7432.	1.5	45
6	Characterization of Gas-Solid Reactions using In Situ Powder X-ray Diffraction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 3029-3043.	0.6	33
7	Effect of Eutectic Melting, Reactive Hydride Composites, and Nanoconfinement on Decomposition and Reversibility of LiBH ₄ -KBH ₄ . Journal of Physical Chemistry C, 2015, 119, 25818-25825.	1.5	31
8	Hydrogen reversibility of LiBH ₄ -MgH ₂ -Al composites. Physical Chemistry Chemical Physics, 2014, 16, 8970-8980.	1.3	23
9	Hydrogenation properties of lithium and sodium hydride closo-borate, [B ₁₀ H ₁₀] ²⁺ and [B ₁₂ H ₁₂] ²⁺ composites. Physical Chemistry Chemical Physics, 2018, 20, 16266-16275.	1.3	18
10	Synthesis, structures and thermal decomposition of ammine MxB ₁₂ H ₁₂ complexes (M = Li, Na, Ca). Dalton Transactions, 2017, 46, 7770-7781.	1.6	11
11	Reorientational Motions and Ionic Conductivity in (NH ₄) ₂ B ₁₀ H ₁₀ and (NH ₄) ₂ B ₁₂ H ₁₂ . Journal of Physical Chemistry C, 2018, 122, 17073-17079.	1.5	10
12	Crystal Structures and Energy Storage Properties of Ammine Sodium Decahydro-closo-decaboranes (Na ₂ B ₁₀ H ₁₀ ·nNH ₃ , n = 1, 2). Journal of Physical Chemistry C, 2019, 123, 20160-20166.	1.5	10
13	Molecular Dynamics in Ag ₂ B ₁₂ H ₁₂ Studied by Nuclear Magnetic Resonance. Journal of Physical Chemistry C, 2021, 125, 5534-5541.	1.5	9
14	Improved hydrogen storage kinetics of nanoconfined LiBH ₄ -MgH ₂ reactive hydride composites catalyzed with nickel Nanoparticles. Materials Research Society Symposia Proceedings, 2012, 1441, 1.	0.1	5