

# Bjarne R S Hansen

## List of Publications by Year in descending order

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14  
papers

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citations

932766

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docs citations

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citing authors

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