

Voraksmy Ban

List of Publications by Year in descending order

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papers

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933447

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In Situ</i> Diffraction Study of Catalytic Hydrogenation of VO ₂ : Stable Phases and Origins of Metallicity. <i>Journal of the American Chemical Society</i> , 2014, 136, 8100-8109.	13.7	67
2	Tuning magnetic spirals beyond room temperature with chemical disorder. <i>Nature Communications</i> , 2016, 7, 13758.	12.8	42
3	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.	3.1	41
4	Pressure-Collapsed Amorphous Mg(BH ₄) ₂ : An Ultradense Complex Hydride Showing a Reversible Transition to the Porous Framework. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23402-23408.	3.1	36
5	Innovative <i>In Situ</i> Ball Mill for X-ray Diffraction. <i>Analytical Chemistry</i> , 2017, 89, 13176-13181.	6.5	35
6	The First Halide-Free Bimetallic Aluminum Borohydride: Synthesis, Structure, Stability, and Decomposition Pathway. <i>Journal of Physical Chemistry C</i> , 2014, 118, 145-153.	3.1	34
7	Lithium Hydrazinidoborane: A Polymorphic Material with Potential for Chemical Hydrogen Storage. <i>Chemistry of Materials</i> , 2014, 26, 3249-3255.	6.7	28
8	3D-printed jars for ball-milling experiments monitored <i>in situ</i> by X-ray powder diffraction. <i>Journal of Applied Crystallography</i> , 2017, 50, 994-999.	4.5	14
9	Magnetic structure and dynamics of a strongly one-dimensional cobalt framework. <i>Physical Review B</i> , 2014, 89, .	1.2	11
10	Single crystal growth, structure and magnetic properties of Pr ₂ Hf ₂ O ₇ pyrochlore. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 075902.	1.8	11
11	Investigation of MBH ₄ ·VCl ₂ , M=Li, Na or K. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 8376-8383.	7.1	7
12	Chemically-Controlled Stacking of Inorganic Subnets in Coordination Networks: Metal-Organic Magnetic Multilayers. <i>Inorganic Chemistry</i> , 2018, 57, 8236-8240.	4.0	5
13	Spin-glass state in Ni ₅ (OH) ₆ (C _n H _{2n} -4O ₄) ₂ metal-organic frameworks (n=6, 8, 10, 12). <i>Solid State Sciences</i> , 2014, 37, 154-163.	3.2	2
14	Quenchable Porous High-Temperature Polymorph of Sodium Imidazolate, NaIm. <i>Crystal Growth and Design</i> , 2021, 21, 770-778.	3.0	2