

Joel B Miller

List of Publications by Year in descending order

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17
papers

144
citations

1478505

6
h-index

1199594

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g-index

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17
docs citations

17
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	Substitution of silicon within the rhombohedral boron carbide (B ₄ C) crystal lattice through high-energy ball-milling. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11705-11716.	5.5	40
2	A broadband nuclear magnetic resonance spectrometer: Digital phase shifting and flexible pulse programmer. <i>Review of Scientific Instruments</i> , 1993, 64, 1235-1238.	1.3	24
3	Sonochemically Generated Air-Stable Bimetallic Nanopowders of Group 4 Transition Metals with Aluminum. <i>Chemistry of Materials</i> , 2013, 25, 818-824.	6.7	17
4	Power of Aerogel Platforms to Explore Mesoscale Transport in Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41277-41287.	8.0	13
5	Zirconia-Based Aerogels for Sorption and Degradation of Dimethyl Methylphosphonate. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19584-19592.	3.7	12
6	The synthesis of hafnium nanomaterials by alkali metal reduction of hafnium tetrachloride. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5435-5448.	1.9	7
7	NMR imaging of solid polymers: Strategies for chemical shift selectivity. <i>Macromolecular Symposia</i> , 1994, 86, 271-282.	0.7	5
8	Surface Passivated Air and Moisture Stable Mixed Zirconium Aluminum Metal-Hydride Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1056, 1.	0.1	5
9	Automated detection of broad NMR spectra: ¹⁹ F NMR of paramagnetic UF ₄ and ¹⁹⁵ Pt NMR of supported Pt catalysts. <i>Solid State Nuclear Magnetic Resonance</i> , 2018, 92, 14-18.	2.3	5
10	Effect of added metal chelating organosilane on mesoporous titanasilicate formation properties. <i>Dalton Transactions</i> , 2003, , 3398.	3.3	4
11	Aluminum Nanoparticle Synthesis by Reduction of Halides with Na/K. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1056, 1.	0.1	3
12	High resolution solid state NMR in paramagnetic metal-organic frameworks. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, 120, 101811.	2.3	3
13	Synthesis and Microstructure of Porous Aluminum and Intermetallic Nanomaterials. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1295, 291.	0.1	2
14	A Combined Theoretical and Experimental Characterization of a Zirconium MOF with Potential Application to Supercapacitors. <i>Applied Magnetic Resonance</i> , 0, , 1.	1.2	2
15	Nuclear Magnetic Resonance Imaging of Anisotropic Solid-State Chemical Reactions. <i>ACS Symposium Series</i> , 1993, , 260-271.	0.5	1
16	Probing microphase separation and proton transport cooperativity in polymer-ethered 1 <i>H</i> -tetrazoles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1375-1387.	2.1	1
17	Protons in Catalytic Architectures: Near (NMR) and Far (Impedance). <i>Journal of the Electrochemical Society</i> , 2022, 169, 036514.	2.9	0