

Alex I Wixtrom

List of Publications by Year in descending order

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16
papers

747
citations

759233

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17
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1146
citing authors

#	ARTICLE	IF	CITATIONS
1	Photooxidative Generation of Dodecaborate-Based Weakly Coordinating Anions. <i>Inorganic Chemistry</i> , 2019, 58, 10516-10526.	4.0	7
2	Perfunctionalized Dodecaborate Clusters as Stable Metal-Free Active Materials for Charge Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 4907-4913.	5.1	19
3	Synthesis and Applications of Perfunctionalized Boron Clusters. <i>Inorganic Chemistry</i> , 2018, 57, 2333-2350.	4.0	121
4	A molecular cross-linking approach for hybrid metal oxides. <i>Nature Materials</i> , 2018, 17, 341-348.	27.5	90
5	Buchwald-Hartwig amination using Pd dimer precatalysts supported by biaryl phosphine ligands. <i>Dalton Transactions</i> , 2018, 47, 3684-3688.	3.3	22
6	Tuning the electrochemical potential of perfunctionalized dodecaborate clusters through vertex differentiation. <i>Chemical Communications</i> , 2018, 54, 5867-5870.	4.1	13
7	Quantitative Analysis of X-ray Fluorescence Absorption and Emission for Thickness Determination of ALD-Grown Metal and Oxide Nanoscaled Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5745-5750.	0.9	6
8	Atomically precise organomimetic cluster nanomolecules assembled via perfluoroaryl-thiol SNAr chemistry. <i>Nature Chemistry</i> , 2017, 9, 333-340.	13.6	201
9	Rapid synthesis of redox-active dodecaborane B ₁₂ (OR) ₁₂ clusters under ambient conditions. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 711-717.	6.0	44
10	Visible-Light-Induced Olefin Activation Using 3D Aromatic Boron-Rich Cluster Photooxidants. <i>Journal of the American Chemical Society</i> , 2016, 138, 6952-6955.	13.7	95
11	Highly Uniform Self-Assembled Gold Nanoparticles over High Surface Area ZnO Nanorods as Catalysts. <i>ECS Journal of Solid State Science and Technology</i> , 2014, 3, M61-M64.	1.8	13
12	Catalytic Reduction of 4-Nitrophenol Using Gold Nanoparticles Supported on Carbon Nanotubes. <i>ECS Journal of Solid State Science and Technology</i> , 2014, 3, M18-M20.	1.8	49
13	Mechanochemical Synthesis of Two Polymorphs of the Tetrathiafulvalene-Chloranil Charge Transfer Salt: An Experiment for Organic Chemistry. <i>Journal of Chemical Education</i> , 2014, 91, 1232-1235.	2.3	21
14	The Black Polymorph of TTF-CA: TTF Polymorphism and Solvent Effects in Mechanochemical and Vapor Digestion Syntheses, FT-IR, Crystal Packing, and Electronic Structure. <i>Crystal Growth and Design</i> , 2014, 14, 91-100.	3.0	28
15	Reclamation of niobium compounds from ionic liquid electrochemical polishing of superconducting radio frequency cavities. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 18-22.	6.7	5
16	Electrochemical Polishing Applications and EIS of a Vitamin B ₄ -Based Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2013, 160, E22-E26.	2.9	11