

Surya S Moganty

List of Publications by Year in descending order

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16
papers

3,546
citations

471509

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839539

18
g-index

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18
docs citations

18
times ranked

5219
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous Hollow Carbon@Sulfur Composites for High-Power Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5904-5908.	13.8	1,587
2	Ionic Liquid-Nanoparticle Hybrid Electrolytes and their Application in Secondary Lithium-Metal Batteries. <i>Advanced Materials</i> , 2012, 24, 4430-4435.	21.0	278
3	Nanoscale Organic Hybrid Electrolytes. <i>Advanced Materials</i> , 2010, 22, 3677-3680.	21.0	153
4	Ionic liquid-nanoparticle hybrid electrolytes. <i>Journal of Materials Chemistry</i> , 2012, 22, 4066.	6.7	131
5	Ionic-Liquid-Tethered Nanoparticles: Hybrid Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9158-9161.	13.8	126
6	Ionic Liquid-Tethered Nanoparticle Suspensions: A Novel Class of Ionogels. <i>Chemistry of Materials</i> , 2012, 24, 1386-1392.	6.7	106
7	CO ₂ /N ₂ separations using nanoporous alumina-supported ionic liquid membranes: Effect of the support on separation performance. <i>Journal of Membrane Science</i> , 2012, 390-391, 201-210.	8.2	97
8	Diffusivity of Carbon Dioxide in Room-Temperature Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 9370-9376.	3.7	90
9	Electrolytes for high-energy lithium batteries. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 91-109.	3.1	84
10	Nanoporous hybrid electrolytes. <i>Journal of Materials Chemistry</i> , 2011, 21, 10094.	6.7	78
11	Regular Solution Theory for Low Pressure Carbon Dioxide Solubility in Room Temperature Ionic Liquids: Ionic Liquid Solubility Parameter from Activation Energy of Viscosity. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 5846-5853.	3.7	76
12	Tethered Molecular Sorbents: Enabling Metal-Sulfur Battery Cathodes. <i>Advanced Energy Materials</i> , 2014, 4, 1400390.	19.5	67
13	Electrochemical windows and impedance characteristics of [Bmim] ⁺ and [Bdmim] ⁺ [BF ₄ ⁻] and [Bmim] ⁺ [BF ₄ ⁻] ionic liquids at the surfaces of carbon nanotube and glassy carbon electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7527-7537.	2.6	57
14	A Comparative Study of the Electrochemical Characteristics of [Emim] ⁺ [BF ₄ ⁻] and [Bmim] ⁺ [BF ₄ ⁻] Ionic Liquids at the Surfaces of Carbon Nanotube and Glassy Carbon Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7527-7537.	3.1	42
15	Structure-property relationships in transport and thermodynamic properties of imidazolium bistriflamide ionic liquids for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2014, 250, 377-389.	12.7	33
16	Mesoporous carbon-coated Li ₄ Ti ₅ O ₁₂ spheres for fast Li ⁺ ion insertion/deinsertion in lithium battery anodes. <i>Applied Nanoscience (Switzerland)</i> , 2011, 1, 7-11.	3.1	11