Surya S Moganty

List of Publications by Year
in descending order

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16 papers	3,546 citations	471371 17 h-index	839398 18 g-index
18 all docs	18 docs citations	18 times ranked	5219 citing authors

#	Article	IF	Citations
1	Porous Hollow Carbon@Sulfur Composites for Highâ€Power Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2011, 50, 5904-5908.	7.2	1,587
2	Ionic Liquidâ€Nanoparticle Hybrid Electrolytes and their Application in Secondary Lithiumâ€Metal Batteries. Advanced Materials, 2012, 24, 4430-4435.	11.1	278
3	Nanoscale Organic Hybrid Electrolytes. Advanced Materials, 2010, 22, 3677-3680.	11.1	153
4	Ionic liquid-nanoparticle hybrid electrolytes. Journal of Materials Chemistry, 2012, 22, 4066.	6.7	131
5	Ionicâ€Liquidâ€Tethered Nanoparticles: Hybrid Electrolytes. Angewandte Chemie - International Edition, 2010, 49, 9158-9161.	7.2	126
6	Ionic Liquid-Tethered Nanoparticle Suspensions: A Novel Class of Ionogels. Chemistry of Materials, 2012, 24, 1386-1392.	3.2	106
7	CO2/N2 separations using nanoporous alumina-supported ionic liquid membranes: Effect of the support on separation performance. Journal of Membrane Science, 2012, 390-391, 201-210.	4.1	97
8	Diffusivity of Carbon Dioxide in Room-Temperature Ionic Liquids. Industrial & Engineering Chemistry Research, 2010, 49, 9370-9376.	1.8	90
9	Electrolytes for high-energy lithium batteries. Applied Nanoscience (Switzerland), 2012, 2, 91-109.	1.6	84
10	Nanoporous hybrid electrolytes. Journal of Materials Chemistry, 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. Industrial & Engineering Chemistry Research, 2010, 49, 5846-5853.	1.8	76
12	Tethered Molecular Sorbents: Enabling Metalâ€Sulfur Battery Cathodes. Advanced Energy Materials, 2014, 4, 1400390.	10.2	67
13	Electrochemical windows and impedance characteristics of [Bmim+][<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>BF</mml:mtext></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msubsup></mml:mrow></mml:math> and [Bdmim+][<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mrow><mml:msubsup><mml:mro. Chemical Physics Letters.	1.2	57
14	A Comparative Study of the Electrochemical Characteristics of [Emim⁺][BF₄^{â^'}] and [Bmim⁺][BF₄^{â^'}] Ionic Liquids at the Surfaces of Carbon Nanotube and Glassy Carbon Electrodes. Journal of Physical Chemistry C, 2011, 115, 7527-7537.	1.5	42
15	Structureâ€“property relationships in transport and thermodynamic properties of imidazolium bistriflamide ionic liquids for CO2 capture. Chemical Engineering Journal, 2014, 250, 377-389.	6.6	33
16	Mesoporous carbon-coated Li4Ti5O12 spheres for fast Li+ ion insertion/deinsertion in lithium battery anodes. Applied Nanoscience (Switzerland), 2011, 1, 7-11.	1.6	11