

Surya S Moganty

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

3,236
citations

17
h-index

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g-index

18
ext. papers

3,378
ext. citations

10.1
avg, IF

5.2
L-index

#	Paper	IF	Citations
18	Porous hollow carbon@sulfur composites for high-power lithium-sulfur batteries. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5904-8	16.4	1461
17	Porous Hollow Carbon@sulfur Composites for High-Power Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2011 , 123, 6026-6030	3.6	445
16	Ionic liquid-nanoparticle hybrid electrolytes and their application in secondary lithium-metal batteries. <i>Advanced Materials</i> , 2012 , 24, 4430-5	24	253
15	Nanoscale organic hybrid electrolytes. <i>Advanced Materials</i> , 2010 , 22, 3677-80	24	139
14	Ionic liquid-nanoparticle hybrid electrolytes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4066		118
13	Ionic-liquid-tethered nanoparticles: hybrid electrolytes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9158-61	16.4	111
12	Ionic Liquid-Tethered Nanoparticle Suspensions: A Novel Class of Ionogels. <i>Chemistry of Materials</i> , 2012 , 24, 1386-1392	9.6	101
11	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	9.6	82
10	Diffusivity of Carbon Dioxide in Room-Temperature Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 9370-9376	3.9	73
9	Electrolytes for high-energy lithium batteries. <i>Applied Nanoscience (Switzerland)</i> , 2012 , 2, 91-109	3.3	71
8	Nanoporous hybrid electrolytes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10094		70
7	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	3.9	68
6	Tethered Molecular Sorbents: Enabling Metal-Sulfur Battery Cathodes. <i>Advanced Energy Materials</i> , 2014 , 4, 1400390	21.8	67
5	Ionic-Liquid-Tethered Nanoparticles: Hybrid Electrolytes. <i>Angewandte Chemie</i> , 2010 , 122, 9344-9347	3.6	56
4	Electrochemical windows and impedance characteristics of [Bmim+]. <i>Chemical Physics Letters</i> , 2009 , 483, 90-94	2.5	44
3	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	3.8	38
2	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	14.7	29

- 1 Mesoporous carbon-coated $\text{Li}_4\text{Ti}_5\text{O}_{12}$ spheres for fast Li^+ ion insertion/deinsertion in lithium battery anodes. *Applied Nanoscience (Switzerland)*, **2011**, 1, 7-11 33 10