

# Surya S Moganty

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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

18  
g-index

18  
ext. papers

3,378  
ext. citations

10.1  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
18	Structure-property relationships in transport and thermodynamic properties of imidazolium bistriflamide ionic liquids for CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , <b>2014</b> , 250, 377-389	14.7	29
17	Tethered Molecular Sorbents: Enabling Metal-Sulfur Battery Cathodes. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400390	21.8	67
16	CO <sub>2</sub> /N <sub>2</sub> separations using nanoporous alumina-supported ionic liquid membranes: Effect of the support on separation performance. <i>Journal of Membrane Science</i> , <b>2012</b> , 390-391, 201-210	9.6	82
15	Ionic liquid-nanoparticle hybrid electrolytes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4066		118
14	Ionic liquid-nanoparticle hybrid electrolytes and their application in secondary lithium-metal batteries. <i>Advanced Materials</i> , <b>2012</b> , 24, 4430-5	24	253
13	Ionic Liquid-Tethered Nanoparticle Suspensions: A Novel Class of Ionogels. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1386-1392	9.6	101
12	Electrolytes for high-energy lithium batteries. <i>Applied Nanoscience (Switzerland)</i> , <b>2012</b> , 2, 91-109	3.3	71
11	Nanoporous hybrid electrolytes. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10094		70
10	Mesoporous carbon-coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> spheres for fast Li <sup>+</sup> ion insertion/deinsertion in lithium battery anodes. <i>Applied Nanoscience (Switzerland)</i> , <b>2011</b> , 1, 7-11	3.3	10
9	Porous Hollow Carbon@Sulfur Composites for High-Power Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6026-6030	3.6	445
8	Porous hollow carbon@sulfur composites for high-power lithium-sulfur batteries. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5904-8	16.4	1461
7	A Comparative Study of the Electrochemical Characteristics of [Emim <sup>+</sup> ][BF <sub>4</sub> <sup>-</sup> ] and [Bmim <sup>+</sup> ][BF <sub>4</sub> <sup>-</sup> ] Ionic Liquids at the Surfaces of Carbon Nanotube and Glassy Carbon Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7527-7537	3.8	38
6	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 &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 5846-5853	3.9	68
5	Diffusivity of Carbon Dioxide in Room-Temperature Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 9370-9376	3.9	73
4	Nanoscale organic hybrid electrolytes. <i>Advanced Materials</i> , <b>2010</b> , 22, 3677-80	24	139
3	Ionic-Liquid-Tethered Nanoparticles: Hybrid Electrolytes. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 9344-9347	3.6	56
2	Ionic-liquid-tethered nanoparticles: hybrid electrolytes. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9158-61	16.4	111

1 Electrochemical windows and impedance characteristics of [Bmim+]. *Chemical Physics Letters*, **2009**, 483, 90-94 2.5 44