

Debalina Deb

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

165
citations

1163117

8
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

209
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithium-polymer battery with ionic liquid tethered nanoparticles incorporated P(VDF-HFP) nanocomposite gel polymer electrolyte. <i>Electrochimica Acta</i> , 2019, 319, 753-765.	5.2	33
2	Influence of Ionic-Liquid-Tethered Al ₂ O ₃ Nanoparticle on the Nonisothermal Cold Crystallization in Ionic-Liquid-Based Nanofluids. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6962-6976.	3.1	31
3	Ionic liquid-SnO ₂ nanoparticle hybrid electrolytes for secondary charge storage devices: Physicochemical and electrochemical studies. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4081-4089.	7.1	23
4	Gel-polymer electrolytes plasticized with pyrrolidinium-based ionic liquid for lithium battery applications. <i>Ionics</i> , 2021, 27, 123-136.	2.4	21
5	Nanometer-Scale Uniform Conductance Switching in Molecular Memristors. <i>Advanced Materials</i> , 2020, 32, e2004370.	21.0	18
6	Role of different nanoparticulate cores on the thermal, mechanical and electrochemical cycling behaviour of nanoscale hybrid ionic fluids. <i>Electrochimica Acta</i> , 2017, 245, 438-447.	5.2	12
7	Viscosity decoupled charge transport in surface functionalized ZnS nanoparticle dispersed imidazolium ionic liquids. <i>Materials Research Bulletin</i> , 2019, 116, 22-31.	5.2	11
8	Ionic liquid plasticized electrolyte with improved electrical and electrochemical properties for high-performance lithium polymer battery. <i>International Journal of Energy Research</i> , 2020, 44, 10506-10522.	4.5	8
9	Electroactive phase nucleation and isothermal crystallization kinetics in ionic liquid-functionalized ZnS nanoparticle-incorporated P(VDF-HFP) copolymer nanocomposites. <i>Journal of Materials Science</i> , 2019, 54, 2990-3008.	3.7	6
10	Organic Memristors: Nanometer-Scale Uniform Conductance Switching in Molecular Memristors (<i>Adv. Mater.</i> 42/2020). <i>Advanced Materials</i> , 2020, 32, 2070318.	21.0	2
11	Nanofluid Reinforced Polymer Electrolytes for Safe and High Energy Density Secondary Lithium Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
12	Nanocomposite Gel Polymer Electrolytes: Thermophysical, Electrical Properties and Electrochemical Applications. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0