

# Debalina Deb

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8719054/publications.pdf>

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	Gel-polymer electrolytes plasticized with pyrrolidinium-based ionic liquid for lithium battery applications. <i>Ionics</i> , 2021, 27, 123-136.	2.4	21
2	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
3	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
4	Nanometer-Scale Uniform Conductance Switching in Molecular Memristors. <i>Advanced Materials</i> , 2020, 32, e2004370.	21.0	18
5	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
6	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
7	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
8	Nanofluid Reinforced Polymer Electrolytes for Safe and High Energy Density Secondary Lithium Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
9	Nanocomposite Gel Polymer Electrolytes: Thermophysical, Electrical Properties and Electrochemical Applications. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
10	Ionic liquid-SnO <sub>2</sub> 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
11	Role of different nanoparticle cores on the thermal, mechanical and electrochemical cycling behaviour of nanoscale hybrid ionic liquids. <i>Electrochimica Acta</i> , 2017, 245, 438-447.	5.2	12
12	Influence of Ionic-Liquid-Tethered Al <sub>2</sub> O <sub>3</sub> 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