

Alok Kumar Tripathi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3362402/publications.pdf>

Version: 2024-02-01

20
papers

604
citations

567281

15
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal, electrical and structural studies on ionic liquid confined in ordered mesoporous MCM-41. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23809-23820.	10.3	73
2	Studies on structural, thermal and AC conductivity scaling of PEO-LiPF ₆ polymer electrolyte with added ionic liquid [BMIMPF ₆]. <i>AIP Advances</i> , 2015, 5, .	1.3	64
3	Improved electrochemical performance of EMIMFSI ionic liquid based gel polymer electrolyte with temperature for rechargeable lithium battery. <i>Energy</i> , 2018, 150, 890-900.	8.8	64
4	Effect of temperature on electrochemical performance of ionic liquid based polymer electrolyte with Li/LiFePO ₄ electrodes. <i>Solid State Ionics</i> , 2017, 309, 192-199.	2.7	50
5	Ionic liquid based solid electrolytes (ionogels) for application in rechargeable lithium battery. <i>Materials Today Energy</i> , 2021, 20, 100643.	4.7	42
6	Electrochemical investigations of Na _{0.7} CoO ₂ cathode with PEO-NaTFSI-BMIMTFSI electrolyte as promising material for Na-rechargeable battery. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1909-1919.	2.5	41
7	Electrochemical study of Ionic Liquid based polymer electrolyte with graphene oxide coated LiFePO ₄ cathode for Li battery. <i>Solid State Ionics</i> , 2018, 320, 186-192.	2.7	40
8	Development of ionic liquid and lithium salt immobilized MCM-41 quasi solid-liquid electrolytes for lithium batteries. <i>Journal of Energy Storage</i> , 2018, 15, 283-291.	8.1	33
9	Development of gel polymer electrolyte based on LiTFSI and EMIMFSI for application in rechargeable lithium metal battery with GO-LFP and NCA cathodes. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2507-2518.	2.5	29
10	Electrochemical characterization of ionic liquid based gel polymer electrolyte for lithium battery application. <i>Ionics</i> , 2018, 24, 1895-1906.	2.4	28
11	Development of Polymer Electrolyte and Cathode Material for Li-Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A5187-A5192.	2.9	26
12	Quasi solid-state electrolytes based on ionic liquid (IL) and ordered mesoporous matrix MCM-41 for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3365-3371.	2.5	21
13	Role of ionic liquid [BMIMPF ₆] in modifying the crystallization kinetics behavior of the polymer electrolyte PEO-LiClO ₄ . <i>RSC Advances</i> , 2015, 5, 8263-8277.	3.6	20
14	Preparation and properties of titania based ionogels synthesized using ionic liquid 1-ethyl-3-methyl imidazolium thiocyanate. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 220, 37-43.	3.5	19
15	Immobilization induced molecular compression of ionic liquid in ordered mesoporous matrix. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 075301.	2.8	17
16	Interface and core relaxation dynamics of IL molecules in nanopores of ordered mesoporous MCM-41: a dielectric spectroscopy study. <i>RSC Advances</i> , 2016, 6, 45147-45157.	3.6	12
17	Lithium salt assisted enhanced performance of supercapacitor based on quasi solid-state electrolyte. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 838-845.	5.2	10
18	Dead Ashoka (<i>Saraca asoca</i>) leaves derived porous activated carbons and flexible iongel polymer electrolyte for high-energy-density electric double-layer capacitors. <i>Materials Today Sustainability</i> , 2021, 11-12, 100062.	4.1	10

#	ARTICLE	IF	CITATIONS
19	Application of Ionic Liquids as a Green Material in Electrochemical Devices. Materials Research Foundations, 2019, , 106-147.	0.3	3
20	Ionic Liquid Based Polymer Gel Electrolyte Membranes for Lithium Ion Rechargeable Batteries. ECS Transactions, 2016, 73, 183-189.	0.5	2