

Ruhamah Yunis

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

480
citations

759233

12
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of gel polymer electrolytes using poly(ionic liquids) and high lithium salt concentration ionic liquids. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23844-23852.	10.3	109
2	Poly(ionic liquid)s/Electrospun Nanofiber Composite Polymer Electrolytes for High Energy Density and Safe Li Metal Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 6237-6245.	5.1	63
3	Efficient and Stable Solid-State Dye-Sensitized Solar Cells by the Combination of Phosphonium Organic Ionic Plastic Crystals with Silica. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32271-32280.	8.0	33
4	Ionic liquids and plastic crystals with a symmetrical pyrrolidinium cation. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1207-1214.	5.9	33
5	Plastic Crystals Utilising Small Ammonium Cations and Sulfonylimide Anions as Electrolytes for Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070529.	2.9	31
6	Organic salts utilising the hexamethylguanidinium cation: the influence of the anion on the structural, physical and thermal properties. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12288-12300.	2.8	28
7	The anion effect in ternary electrolyte systems using poly(diallyldimethylammonium) and phosphonium-based ionic liquid with high lithium salt concentration. <i>Solid State Ionics</i> , 2018, 327, 83-92.	2.7	27
8	A new approach to very high lithium salt content quasi-solid state electrolytes for lithium metal batteries using plastic crystals. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25389-25398.	10.3	25
9	A symmetrical ionic liquid/Li salt system for rapid ion transport and stable lithium electrochemistry. <i>Chemical Communications</i> , 2018, 54, 3660-3663.	4.1	24
10	Development of new solid-state electrolytes based on a hexamethylguanidinium plastic crystal and lithium salts. <i>Electrochimica Acta</i> , 2020, 357, 136863.	5.2	19
11	The influence of alkyl chain branching on the properties of pyrrolidinium-based ionic electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18102-18113.	2.8	17
12	Investigation of Unusual Conductivity Behavior and Ion Dynamics in Hexamethylguanidinium Bis(fluorosulfonyl)imide-Based Electrolytes for Sodium Batteries. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12518-12530.	3.1	15
13	Synthesis and physical properties of tris(dialkylamino)cyclopropenium dicyanamide ionic liquids. <i>RSC Advances</i> , 2018, 8, 28313-28322.	3.6	13
14	Designing Solid-State Electrolytes through the Structural Modification of a High-Performing Ionic Liquid. <i>ChemElectroChem</i> , 2020, 7, 4118-4123.	3.4	10
15	Solid (cyanomethyl)trimethylammonium salts for electrochemically stable electrolytes for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14721-14735.	10.3	9
16	Factors controlling the physical properties of an organic ionic plastic crystal. <i>Materials Today Physics</i> , 2022, 22, 100603.	6.0	9
17	Ionic liquids and plastic crystals utilising the oxazolidinium cation: the effect of ether functionality in the ring. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6014-6026.	5.9	7
18	Decoupled ion mobility in nano-confined ionic plastic crystal. <i>Materials Advances</i> , 2020, 1, 3398-3405.	5.4	4