

Prabhat Prakash

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanism of CO ₂ absorption in phosphonium amino acid ionic liquid. RSC Advances, 2016, 6, 55438-55443.	3.6	19
2	Site-Specific Interactions in CO ₂ Capture by Lysinate Anion and Role of Water Using Density Functional Theory. Journal of Physical Chemistry C, 2018, 122, 12647-12656.	3.1	12
3	Experimental and Theoretical Investigation of the Ion Conduction Mechanism of Tris(adiponitrile)perchloratosodium, a Self-Binding, Melt-Castable Crystalline Sodium Electrolyte. Chemistry of Materials, 2019, 31, 8850-8863.	6.7	9
4	Probing translational and rotational dynamics in hydrophilic/hydrophobic anion based imidazolium ionic liquid-water mixtures. Soft Matter, 2018, 14, 6109-6118.	2.7	8
5	Unravelling the structural and dynamical complexity of the equilibrium liquid grain-binding layer in highly conductive organic crystalline electrolytes. Journal of Materials Chemistry A, 2018, 6, 4394-4404.	10.3	6
6	CuO Nanoparticles as Copper-Ion Reservoirs for Elesclomol-Mediated Intracellular Oxidative Stress: Implications for Anticancer Therapies. ACS Applied Nano Materials, 2022, 5, 1607-1620.	5.0	5
7	Effect of Concentration and Temperature on the Structure and Ion Transport in Diglyme-Based Sodium-Ion Electrolyte. Journal of Physical Chemistry B, 2022, 126, 2119-2129.	2.6	5
8	Tandem Nenitzescu Reaction/Nucleophilic Aromatic Substitution to Form Novel Pyrido Fused Indole Frameworks. European Journal of Organic Chemistry, 2021, 2021, 4865-4875.	2.4	4
9	Solvate sponge crystals of (DMF) ₃ NaClO ₄ : reversible pressure/temperature controlled juicing in a melt/press-castable sodium-ion conductor. Chemical Science, 2021, 12, 5574-5581.	7.4	3
10	Reaction Mechanism and Energetics of Decomposition of Tetrakis(1,3-dimethyltetrazol-5-imidoperchloratomanganese(II)) from Quantum-Mechanics-based Reactive Dynamics. Journal of the American Chemical Society, 2021, 143, 16960-16975.	13.7	3
11	Mechanism of Ion Conduction and Dynamics in Tris(<i>N,N</i> -dimethylformamide) Perchloratosodium Solid Electrolytes. Journal of Physical Chemistry C, 2022, 126, 4744-4750.	3.1	3
12	Chloro-Bridged Hexanuclear Pd(II) Clusters Supported by <i>cis</i> -Blocking Tris(imido)phosphate Trianions. ChemistrySelect, 2017, 2, 10636-10641.	1.5	2