

Bishnu Prasad Thapaliya

List of Publications by Year in descending order

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353
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the Interlayer Spacing by Pre-Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid. <i>Advanced Functional Materials</i> , 2021, 31, 2104007.	14.9	64
2	Carbon Coated Porous Titanium Niobium Oxides as Anode Materials of Lithium-Ion Batteries for Extreme Fast Charge Applications. <i>ACS Applied Energy Materials</i> , 2020, 3, 5657-5665.	5.1	53
3	Insight into the Solid Electrolyte Interphase Formation in Bis(fluorosulfonyl)Imide Based Ionic Liquid Electrolytes. <i>Advanced Functional Materials</i> , 2021, 31, 2008708.	14.9	30
4	Al ₂ O ₃ /TiO ₂ coated separators: Roll-to-roll processing and implications for improved battery safety and performance. <i>Journal of Power Sources</i> , 2021, 507, 230259.	7.8	30
5	Fluorination of MXene by Elemental F ₂ as Electrode Material for Lithium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 1316-1324.	6.8	28
6	Low-Cost Transformation of Biomass-Derived Carbon to High-Performing Nano-graphite via Low-Temperature Electrochemical Graphitization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4393-4401.	8.0	26
7	Simultaneously Boosting the Ionic Conductivity and Mechanical Strength of Polymer Gel Electrolyte Membranes by Confining Ionic Liquids into Hollow Silica Nanocavities. <i>Batteries and Supercaps</i> , 2019, 2, 985-991.	4.7	21
8	Formation of LiF Surface Layer During Direct Fluorination of High-Capacity Co-Free Disordered Rocksalt Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38221-38228.	8.0	13
9	Layer-by-Layer Assembly Strategy for Reinforcing the Mechanical Strength of an Ionogel Electrolyte without Affecting Ionic Conductivity. <i>ACS Applied Energy Materials</i> , 2020, 3, 1265-1270.	5.1	12
10	Synthesizing High-Capacity Oxyfluoride Conversion Anodes by Direct Fluorination of Molybdenum Dioxide (MoO ₂). <i>ChemSusChem</i> , 2020, 13, 3825-3834.	6.8	12
11	Electrochemically induced crystallization of amorphous materials in molten MgCl ₂ : boron nitride and hard carbon. <i>Chemical Communications</i> , 2020, 56, 2783-2786.	4.1	10
12	Enhancing Cycling Stability and Capacity Retention of NMC811 Cathodes by Reengineering Interfaces via Electrochemical Fluorination. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	10
13	Molten Salt Assisted Low-Temperature Electro-Catalytic Graphitization of Coal Chars. <i>Journal of the Electrochemical Society</i> , 2021, 168, 046504.	2.9	8
14	Strong Enhancement of Nanoconfined Water Mobility by a Structure Breaking Salt. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4038-4044.	4.6	7
15	Synthesis and Characterization of Macrocyclic Ionic Liquids for CO ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8218-8226.	3.7	6
16	Engineering the Interlayer Spacing by Pre-Intercalation for High Performance Supercapacitor MXene Electrodes in Room Temperature Ionic Liquid (Adv. Funct. Mater. 33/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170246.	14.9	2
17	Direct Correlation of the Salt-Reduced Diffusivities of Organic Solvents with the Solvent's Mole Fraction. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2845-2850.	4.6	2
18	Enhancing Cycling Stability and Capacity Retention of NMC811 Cathodes by Reengineering Interfaces via Electrochemical Fluorination (Adv. Mater. Interfaces 18/2022). <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	1

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19	Fluorination of MXene by Elemental F ₂ as Electrode Material for Lithium-Ion Batteries. ChemSusChem, 0, , .	6.8	0
20	Fluorination of MXene by Elemental F ₂ as Electrode Material for Lithium-Ion Batteries. ChemSusChem, 2019, 12, 1271-1271.	6.8	0
21	Solid Electrolyte Interphases: Insight into the Solid Electrolyte Interphase Formation in Bis(fluorosulfonyl)imide Based Ionic Liquid Electrolytes (Adv. Funct. Mater. 23/2021). Advanced Functional Materials, 2021, 31, 2170163.	14.9	0