

Christopher L Berhaut

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

332
citations

1163117

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1372567

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10
docs citations

10
times ranked

469
citing authors

#	ARTICLE	IF	CITATIONS
1	Prelithiation of silicon/graphite composite anodes: Benefits and mechanisms for long-lasting Li-Ion batteries. <i>Energy Storage Materials</i> , 2020, 29, 190-197.	18.0	63
2	Ionic association analysis of LiTDI, LiFSI and LiPF ₆ in EC/DMC for better Li-ion battery performances. <i>RSC Advances</i> , 2019, 9, 4599-4608.	3.6	58
3	LiTDI as electrolyte salt for Li-ion batteries: transport properties in EC/DMC. <i>Electrochimica Acta</i> , 2015, 180, 778-787.	5.2	48
4	Multiscale Multiphase Lithiation and Delithiation Mechanisms in a Composite Electrode Unraveled by Simultaneous <i>in Operando</i> Small-Angle and Wide-Angle X-Ray Scattering. <i>ACS Nano</i> , 2019, 13, 11538-11551.	14.6	40
5	Nano-Structured Composite Anode Enabling Long-Term Cycling Stability for High-Capacity Lithium-Ion Batteries. <i>Small</i> , 2020, 16, e1906812.	10.0	37
6	Sorption of Aromatic Compounds with Copolymer Sorbent Materials Containing β -Cyclodextrin. <i>Materials</i> , 2011, 4, 1528-1542.	2.9	30
7	Multi-scale quantification and modeling of aged nanostructured silicon-based composite anodes. <i>Communications Chemistry</i> , 2020, 3, .	4.5	30
8	A new solvent mixture for use of LiTDI as electrolyte salt in Li-ion batteries. <i>Electrochimica Acta</i> , 2019, 305, 534-546.	5.2	10
9	Best Performing SiGe/Si Core-Shell Nanoparticles Synthesized in One Step for High Capacity Anodes. <i>Batteries and Supercaps</i> , 2019, 2, 970-978.	4.7	8
10	(De)Lithiation and Strain Mechanism in Crystalline Ge Nanoparticles. <i>ACS Nano</i> , 2022, 16, 9819-9829.	14.6	8