

Hyungyeon Cha

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Prospect and Reality of Ni-Rich Cathode for Commercialization. <i>Advanced Energy Materials</i> , 2018, 8, 1702028.	19.5	574
2	Reactive boride infusion stabilizes Ni-rich cathodes for lithium-ion batteries. <i>Nature Energy</i> , 2021, 6, 362-371.	39.5	274
3	A highly stabilized nickel-rich cathode material by nanoscale epitaxy control for high-energy lithium-ion batteries. <i>Energy and Environmental Science</i> , 2018, 11, 1449-1459.	30.8	213
4	Issues and Challenges Facing Flexible Lithium-Ion Batteries for Practical Application. <i>Small</i> , 2018, 14, e1702989.	10.0	152
5	Boosting Reaction Homogeneity in High-Energy Lithium-Ion Battery Cathode Materials. <i>Advanced Materials</i> , 2020, 32, e2003040.	21.0	130
6	Advances and Prospects of Sulfide All-Solid-State Lithium Batteries via One-to-One Comparison with Conventional Liquid Lithium Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1900376.	21.0	119
7	Calendering-Compatible Macroporous Architecture for Silicon-Graphite Composite toward High-Energy Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e2003286.	21.0	111
8	Cyclic Aminosilane-Based Additive Ensuring Stable Electrode-Electrolyte Interfaces in Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000012.	19.5	91
9	Controllable Solid Electrolyte Interphase in Nickel-Rich Cathodes by an Electrochemical Rearrangement for Stable Lithium-Ion Batteries. <i>Advanced Materials</i> , 2018, 30, 1704309.	21.0	81
10	Improvements to the Overpotential of All-Solid-State Lithium-Ion Batteries during the Past Ten Years. <i>Advanced Energy Materials</i> , 2020, 10, 2000904.	19.5	45
11	Postpatterned Electrodes for Flexible Node-Type Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1605773.	21.0	40
12	Flexible 3D Interlocking Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801917.	19.5	38
13	Scalable Synthesis of Hollow $\text{Ti}_2\text{-SiC/Si}$ Anodes via Selective Thermal Oxidation for Lithium-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 11548-11557.	14.6	32
14	Lattice-Oxygen-Stabilized Li- and Mn-Rich Cathodes with Sub-Micrometer Particles by Modifying the Excess-Li Distribution. <i>Advanced Materials</i> , 2021, 33, e2100352.	21.0	32
15	Surface and Interfacial Chemistry in the Nickel-Rich Cathode Materials. <i>Batteries and Supercaps</i> , 2020, 3, 309-322.	4.7	29
16	Building High-Rate Nickel-Rich Cathodes by Self-Organization of Structurally Stable Macrovoid. <i>Advanced Science</i> , 2020, 7, 1902844.	11.2	20
17	Metal-Ion Chelating Gel Polymer Electrolyte for Ni-Rich Layered Cathode Materials at a High Voltage and an Elevated Temperature. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9965-9974.	8.0	9
18	Lithium-Ion Batteries: Cyclic Aminosilane-Based Additive Ensuring Stable Electrode-Electrolyte Interfaces in Li-Ion Batteries (Adv. Energy Mater. 15/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070069.	19.5	2