Hyungyeon Cha

List of Publications by Year
in descending order

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18	2,037	471509 17	642732 23
papers	citations	h-index	g-index

23	23	23	2554
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal-Ion Chelating Gel Polymer Electrolyte for Ni-Rich Layered Cathode Materials at a High Voltage and an Elevated Temperature. ACS Applied Materials & Interfaces, 2021, 13, 9965-9974.	8.0	9
2	Latticeâ€Oxygenâ€Stabilized Liâ€•and Mnâ€Rich Cathodes with Subâ€Micrometer Particles by Modifying the Excessâ€Li Distribution. Advanced Materials, 2021, 33, e2100352.	21.0	32
3	Reactive boride infusion stabilizes Ni-rich cathodes for lithium-ion batteries. Nature Energy, 2021, 6, 362-371.	39.5	274
4	Surface and Interfacial Chemistry in the Nickelâ€Rich Cathode Materials. Batteries and Supercaps, 2020, 3, 309-322.	4.7	29
5	Calenderingâ€Compatible Macroporous Architecture for Siliconâ€“Graphite Composite toward Highâ€Energy Lithiumâ€Ion Batteries. Advanced Materials, 2020, 32, e2003286.	21.0	111
6	Scalable Synthesis of Hollow Î²-SiC/Si Anodes via Selective Thermal Oxidation for Lithium-Ion Batteries. ACS Nano, 2020, 14, 11548-11557.	14.6	32
7	Boosting Reaction Homogeneity in Highâ€Energy Lithiumâ€Ion Battery Cathode Materials. Advanced Materials, 2020, 32, e2003040.	21.0	130
8	Improvements to the Overpotential of Allâ€Solidâ€State Lithiumâ€Ion Batteries during the Past Ten Years. Advanced Energy Materials, 2020, 10, 2000904.	19.5	45
9	Cyclic Aminosilaneâ€Based Additive Ensuring Stable Electrodeâ€“Electrolyte Interfaces in Liâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2000012.	19.5	91
10	Building Highâ€Rate Nickelâ€Rich Cathodes by Selfâ€Organization of Structurally Stable Macrovoid. Advanced Science, 2020, 7, 1902844.	11.2	20
11	Lithiumâ€Ion Batteries: Cyclic Aminosilaneâ€Based Additive Ensuring Stable Electrodeâ€“Electrolyte Interfaces in Liâ€Ion Batteries (Adv. Energy Mater. 15/2020). Advanced Energy Materials, 2020, 10, 2070069.	19.5	2
12	Advances and Prospects of Sulfide Allâ€Solidâ€State Lithium Batteries via Oneâ€toâ€One Comparison with Conventional Liquid Lithium Ion Batteries. Advanced Materials, 2019, 31, e1900376.	21.0	119
13	A highly stabilized nickel-rich cathode material by nanoscale epitaxy control for high-energy lithium-ion batteries. Energy and Environmental Science, 2018, 11, 1449-1459.	30.8	213
14	Issues and Challenges Facing Flexible Lithiumâ€Ion Batteries for Practical Application. Small, 2018, 14, e1702989.	10.0	152
15	Controllable Solid Electrolyte Interphase in Nickelâ€Rich Cathodes by an Electrochemical Rearrangement for Stable Lithiumâ€Ion Batteries. Advanced Materials, 2018, 30, 1704309.	21.0	81
16	Prospect and Reality of Niâ€Rich Cathode for Commercialization. Advanced Energy Materials, 2018, 8, 1702028.	19.5	574
17	Flexible 3D Interlocking Lithiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1801917.	19.5	38
18	Postpatterned Electrodes for Flexible Nodeâ€Type Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1605773.	21.0	40