

Junhyeok Kim

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,998
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566801

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794141

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2659
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospect and Reality of Ni-Rich Cathode for Commercialization. <i>Advanced Energy Materials</i> , 2018, 8, 1702028.	10.2	574
2	Surface Engineering Strategies of Layered LiCoO_2 Cathode Material to Realize High-Energy and High-Voltage Li-Ion Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601507.	10.2	257
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.	15.6	213
4	Issues and Challenges Facing Flexible Lithium-Ion Batteries for Practical Application. <i>Small</i> , 2018, 14, e1702989.	5.2	152
5	Boosting Reaction Homogeneity in High-Energy Lithium-Ion Battery Cathode Materials. <i>Advanced Materials</i> , 2020, 32, e2003040.	11.1	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.	11.1	119
7	Unveiling Nickel Chemistry in Stabilizing High-Voltage Cobalt-Rich Cathodes for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1907903.	7.8	107
8	Enhancing Interfacial Bonding between Anisotropically Oriented Grains Using a Glue-Nanofiller for Advanced Li-Ion Battery Cathode. <i>Advanced Materials</i> , 2016, 28, 4705-4712.	11.1	106
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.	11.1	81
10	Self-Induced Concentration Gradient in Nickel-Rich Cathodes by Sacrificial Polymeric Bead Clusters for High-Energy Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602559.	10.2	80
11	Improvements to the Overpotential of All-Solid-State Lithium-Ion Batteries during the Past Ten Years. <i>Advanced Energy Materials</i> , 2020, 10, 2000904.	10.2	45
12	Flexible 3D Interlocking Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801917.	10.2	38
13	Surface and Interfacial Chemistry in the Nickel-Rich Cathode Materials. <i>Batteries and Supercaps</i> , 2020, 3, 309-322.	2.4	29
14	Building High-Rate Nickel-Rich Cathodes by Self-Organization of Structurally Stable Macrovoid. <i>Advanced Science</i> , 2020, 7, 1902844.	5.6	20
15	Li-Ion Cells: Surface Engineering Strategies of Layered LiCoO_2 Cathode Material to Realize High-Energy and High-Voltage Li-Ion Cells (Adv. Energy Mater. 1/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	5
16	Li-Ion Battery Cathodes: Enhancing Interfacial Bonding between Anisotropically Oriented Grains Using a Glue-Nanofiller for Advanced Li-Ion Battery Cathode (Adv. Mater. 23/2016). <i>Advanced Materials</i> , 2016, 28, 4704-4704.	11.1	3