

Kyojin Ku

List of Publications by Year in descending order

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14
papers

1,376
citations

840776

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2116
citing authors

#	ARTICLE	IF	CITATIONS
1	Process Engineering to Increase the Layered Phase Concentration in the Immediate Products of Flame Spray Pyrolysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26915-26923.	8.0	11
2	Understanding the constant-voltage fast-charging process using a high-rate Ni-rich cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 10, 288-295.	10.3	10
3	Utilizing Latent Multi-Redox Activity of p-Type Organic Cathode Materials toward High Energy Density Lithium-Organic Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001635.	19.5	47
4	Voltage decay and redox asymmetry mitigation by reversible cation migration in lithium-rich layered oxide electrodes. <i>Nature Materials</i> , 2020, 19, 419-427.	27.5	328
5	A new lithium diffusion model in layered oxides based on asymmetric but reversible transition metal migration. <i>Energy and Environmental Science</i> , 2020, 13, 1269-1278.	30.8	39
6	New Iron-Based Intercalation Host for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 1956-1964.	6.7	20
7	Suppression of Voltage Decay through Manganese Deactivation and Nickel Redox Buffering in High-Energy Layered Lithium-Rich Electrodes. <i>Advanced Energy Materials</i> , 2018, 8, 1800606.	19.5	97
8	Recent Progress in Organic Electrodes for Li and Na Rechargeable Batteries. <i>Advanced Materials</i> , 2018, 30, e1704682.	21.0	366
9	Multi-electron redox phenazine for ready-to-charge organic batteries. <i>Green Chemistry</i> , 2017, 19, 2980-2985.	9.0	139
10	Exploiting Lithium-Ether Co-Intercalation in Graphite for High-Power Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700418.	19.5	122
11	Tin Sulfide-Based Nanohybrid for High-Performance Anode of Sodium-Ion Batteries. <i>Small</i> , 2017, 13, 1700767.	10.0	30
12	Trackable galvanostatic history in phase separation based electrodes for lithium-ion batteries: a mosaic sub-grouping intercalation model. <i>Energy and Environmental Science</i> , 2017, 10, 2352-2364.	30.8	5
13	Na-FeF ₂ nanocomposite: New type of Na-ion battery cathode material. <i>Nano Research</i> , 2017, 10, 4388-4397.	10.4	17
14	Review-Lithium-Excess Layered Cathodes for Lithium Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2447-A2467.	2.9	141