

HeeJae Kim

List of Publications by Year in descending order

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papers

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759233

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584
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#	ARTICLE	IF	CITATIONS
1	High-Voltage Oxygen-Redox-Based Cathode for Rechargeable Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001111.	19.5	72
2	Facile migration of potassium ions in a ternary P3-type $K_{0.5}[Mn_{0.8}Fe_{0.1}Ni_{0.1}]O_2$ cathode in rechargeable potassium batteries. <i>Energy Storage Materials</i> , 2020, 25, 714-723.	18.0	57
3	New Insight on Open-Structured Sodium Vanadium Oxide as High-Capacity and Long Life Cathode for Zn-Ion Storage: Structure, Electrochemistry, and First-Principles Calculation. <i>Advanced Energy Materials</i> , 2020, 10, 2001595.	19.5	54
4	Potassium vanadate as a new cathode material for potassium-ion batteries. <i>Journal of Power Sources</i> , 2019, 432, 24-29.	7.8	53
5	Controlled Oxygen Redox for Excellent Power Capability in Layered Sodium-Based Compounds. <i>Advanced Energy Materials</i> , 2019, 9, 1901181.	19.5	49
6	$P2-Na_{2/3}MnO_2$ by Co Incorporation: As a Cathode Material of High Capacity and Long Cycle Life for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28928-28933.	8.0	41
7	Passivation of aluminum current collectors in non-aqueous carbonate solutions containing sodium or potassium hexafluorophosphate salts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13012-13018.	10.3	24
8	Electronic Structure Engineering of Honeycomb Layered Cathode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003399.	19.5	24
9	A New Approach to Stable Cationic and Anionic Redox Activity in O_3 -Layered Cathode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100901.	19.5	24
10	Rational design of Co-free layered cathode material for sodium-ion batteries. <i>Journal of Power Sources</i> , 2021, 514, 230581.	7.8	20
11	Long Life Anode Material for Potassium Ion Batteries with High-Rate Potassium Storage. <i>Energy Storage Materials</i> , 2021, 40, 197-208.	18.0	18
12	High-Voltage Stability in KFSI Nonaqueous Carbonate Solutions for Potassium-Ion Batteries: Current Collectors and Coin-Cell Components. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42723-42733.	8.0	17
13	Are type 316L stainless steel coin cells stable in nonaqueous carbonate solutions containing $NaPF_6$ or KPF_6 salt?. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26250-26260.	10.3	8
14	Highly concentrated electrolyte enabling high-voltage application of metallic components for potassium-ion batteries. <i>Journal of Power Sources</i> , 2021, 510, 230436.	7.8	8
15	Bio-Derived Surface Layer Suitable for Long Term Cycling Ni-Rich Cathode for Lithium-Ion Batteries. <i>Small</i> , 2021, 17, e2104532.	10.0	7
16	Sulfurized Carbon Composite with Unprecedentedly High Tap Density for Sodium Storage. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	2