

# HeeJae Kim

## List of Publications by Year in descending order

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16  
papers

478  
citations

759233

12  
h-index

940533

16  
g-index

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16  
docs citations

16  
times ranked

584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfurized Carbon Composite with Unprecedentedly High Tap Density for Sodium Storage. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	2
2	Electronic Structure Engineering of Honeycomb Layered Cathode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003399.	19.5	24
3	A New Approach to Stable Cationic and Anionic Redox Activity in O <sub>3</sub> -Layered Cathode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100901.	19.5	24
4	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
5	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
6	Rational design of Co-free layered cathode material for sodium-ion batteries. <i>Journal of Power Sources</i> , 2021, 514, 230581.	7.8	20
7	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
8	Facile migration of potassium ions in a ternary P3-type K <sub>0.5</sub> [Mn <sub>0.8</sub> Fe <sub>0.1</sub> Ni <sub>0.1</sub> ]O <sub>2</sub> cathode in rechargeable potassium batteries. <i>Energy Storage Materials</i> , 2020, 25, 714-723.	18.0	57
9	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
10	High-Voltage Stability in KFSI Nonaqueous Carbonate Solutions for Potassium-Ion Batteries: Current Collectors and Coin-Cell Components. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42723-42733.	8.0	17
11	High-Voltage Oxygen-Redox-Based Cathode for Rechargeable Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001111.	19.5	72
12	Controlled Oxygen Redox for Excellent Power Capability in Layered Sodium-Based Compounds. <i>Advanced Energy Materials</i> , 2019, 9, 1901181.	19.5	49
13	P <sub>2</sub> -Na <sub>2/3</sub> MnO <sub>2</sub> by Co Incorporation: As a Cathode Material of High Capacity and Long Cycle Life for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28928-28933.	8.0	41
14	Potassium vanadate as a new cathode material for potassium-ion batteries. <i>Journal of Power Sources</i> , 2019, 432, 24-29.	7.8	53
15	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
16	Are type 316L stainless steel coin cells stable in nonaqueous carbonate solutions containing NaPF <sub>6</sub> or KPF <sub>6</sub> salt?. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26250-26260.	10.3	8