

Ji Ung Choi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,465
citations

331670

21
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1384
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recent Progress and Perspective of Advanced High-Energy Co-Less Ni-Rich Cathodes for Li-Ion Batteries: Yesterday, Today, and Tomorrow. <i>Advanced Energy Materials</i> , 2020, 10, 2002027.	19.5	221
3	A new pre-sodiation additive for sodium-ion batteries. <i>Energy Storage Materials</i> , 2020, 32, 281-289.	18.0	43
4	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
5	Mn-Rich P_2 - $Na_{0.67}[Ni_{0.1}Fe_{0.1}Mn_{0.8}]O_2$ as High-Energy-Density and Long-Life Cathode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001346.	19.5	50
6	Revealing sodium storage mechanism in lithium titanium phosphate: Combined experimental and theoretical study. <i>Journal of Power Sources</i> , 2020, 455, 227976.	7.8	13
7	An optimized approach toward high energy density cathode material for K-ion batteries. <i>Energy Storage Materials</i> , 2020, 27, 342-351.	18.0	37
8	Oxalate-Based High-Capacity Conversion Anode for Potassium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3743-3750.	6.7	15
9	$P_2K_{0.75}[Ni_{1/3}Mn_{2/3}]O_2$ Cathode Material for High Power and Long Life Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903605.	19.5	50
10	Cycling Stability of Layered Potassium Manganese Oxide in Nonaqueous Potassium Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27770-27779.	8.0	38
11	Controlled Oxygen Redox for Excellent Power Capability in Layered Sodium-Based Compounds. <i>Advanced Energy Materials</i> , 2019, 9, 1901181.	19.5	49
12	Controllable charge capacity using a black additive for high-energy-density sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3903-3909.	10.3	41
13	Understanding on the structural and electrochemical performance of orthorhombic sodium manganese oxides. <i>Journal of Materials Chemistry A</i> , 2019, 7, 202-211.	10.3	39
14	Nb-Doped titanium phosphate for sodium storage: electrochemical performance and structural insights. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5748-5759.	10.3	24
15	A New Strategy to Build a High-Performance P_2 -Type Cathode Material through Titanium Doping for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1901912.	14.9	76
16	Impact of Na_2MoO_4 nanolayers autogenously formed on tunnel-type $Na_{0.44}MnO_2$. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13522-13530.	10.3	23
17	Hollandite-Type $VO_{1.75}(OH)_{0.5}$: Effective Sodium Storage for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900603.	19.5	16
18	$K_{0.54}[Co_{0.5}Mn_{0.5}]O_2$: New cathode with high power capability for potassium-ion batteries. <i>Nano Energy</i> , 2019, 61, 284-294.	16.0	120

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19	Exceptionally highly stable cycling performance and facile oxygen-redox of manganese-based cathode materials for rechargeable sodium batteries. <i>Nano Energy</i> , 2019, 59, 197-206.	16.0	100
20	New Insight into Ethylenediaminetetraacetic Acid Tetrasodium Salt as a Sacrificing Sodium Ion Source for Sodium-Deficient Cathode Materials for Full Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5957-5965.	8.0	26
21	Revisit of layered sodium manganese oxides: achievement of high energy by Ni incorporation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8558-8567.	10.3	52
22	Sodium-ion Batteries: Building Effective Layered Cathode Materials with Long-Term Cycling by Modifying the Surface via Sodium Phosphate. <i>Advanced Functional Materials</i> , 2018, 28, 1705968.	14.9	138
23	Rocksalt-type metal sulfide anodes for high-rate sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6867-6873.	10.3	23
24	Unraveling the Role of Earth-Abundant Fe in the Suppression of Jahn-Teller Distortion of $P\text{-}2\text{-Type Na}_{2/3}\text{MnO}_2$: Experimental and Theoretical Studies. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40978-40984.	8.0	49
25	Resolving the degradation pathways of the O3-type layered oxide cathode surface through the nano-scale aluminum oxide coating for high-energy density sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23671-23680.	10.3	107