

Xingde Xiang

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1,804
ext. citations

5.2
avg, IF

5.3
L-index

#	Paper	IF	Citations
33	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2015 , 27, 5343-64	24	746
32	Understanding the Effect of Co ³⁺ Substitution on the Electrochemical Properties of Lithium-Rich Layered Oxide Cathodes for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 21826-21833	3.8	76
31	Superior high-rate capability of Na ₃ (VO(0.5)) ₂ (PO ₄) ₂ F ₂ nanoparticles embedded in porous graphene through the pseudocapacitive effect. <i>Chemical Communications</i> , 2016 , 52, 3653-6	5.8	72
30	Preparation and characterization of size-uniform Li[Li _{0.13} Ni _{0.30} Mn _{0.565}]O ₂ particles as cathode materials for high energy lithium ion battery. <i>Journal of Power Sources</i> , 2013 , 230, 89-95	8.9	63
29	Polyethylene glycol-assisted synthesis of hierarchically porous layered lithium-rich oxide as cathode of lithium ion battery. <i>Journal of Power Sources</i> , 2015 , 279, 197-204	8.9	50
28	Electrochemical Properties and Redox Mechanism of Na ₂ Ni _{0.4} Co _{0.6} [Fe(CN) ₆] Nanocrystallites as High-Capacity Cathode for Aqueous Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27805-27812	3.8	49
27	Nanocrystal-Assembled Porous Na MgTi(PO ₄) ₃ Aggregates as Highly Stable Anode for Aqueous Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017 , 23, 12944-12948	4.8	48
26	Ultrafast Na intercalation chemistry of NaTiMn(PO ₄) ₃ nanodots planted in a carbon matrix as a low cost anode for aqueous sodium-ion batteries. <i>Chemical Communications</i> , 2019 , 55, 509-512	5.8	41
25	High-Efficiency Na-Storage Performance of a Nickel-Based Ferricyanide Cathode in High-Concentration Electrolytes for Aqueous Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 2870-2876	4.3	40
24	Self-directed chemical synthesis of lithium-rich layered oxide Li[Li _{0.2} Ni _{0.2} Mn _{0.6}]O ₂ with tightly interconnected particles as cathode of lithium ion batteries with improved rate capability. <i>Electrochimica Acta</i> , 2014 , 127, 259-265	6.7	38
23	Porous layered lithium-rich oxide nanorods: Synthesis and performances as cathode of lithium ion battery. <i>Electrochimica Acta</i> , 2015 , 154, 83-93	6.7	37
22	Significant influence of insufficient lithium on electrochemical performance of lithium-rich layered oxide cathodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 133, 422-427	6.7	30
21	Cost-effective synthesis and superior electrochemical performance of sodium vanadium fluorophosphate nanoparticles encapsulated in conductive graphene network as high-voltage cathode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 426-432	9.3	27
20	Ultras-small SnS nanoparticles embedded in carbon spheres: a high-performance anode material for sodium ion batteries. <i>RSC Advances</i> , 2016 , 6, 95805-95811	3.7	25
19	Nickel-Substituted Copper Hexacyanoferrate as a Superior Cathode for Aqueous Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 350-354	4.3	25
18	Carbon-Coated Na ₂ V _{1.2} Ti _{0.8} (PO ₄) ₃ Cathode with Excellent Cycling Performance for Aqueous Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 2482-2487	4.3	25
17	Understanding the Influence of Composition and Synthesis Temperature on Oxygen Loss, Reversible Capacity, and Electrochemical Behavior of xLi ₂ MnO ₃ -(1-x)LiCoO ₂ Cathodes in the First Cycle. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23553-23558	3.8	21

16	Insight into Electrochemical Properties and Reaction Mechanism of a Cobalt-Rich Prussian Blue Analogue Cathode in a NaSO ₃ CF ₃ Electrolyte for Aqueous Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5958-5965	3.8	19
15	Porous NaV ₃ (PO ₄) ₃ /C nanocomposite anode with superior Na-storage performance for sodium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 598-603	6.8	18
14	Highly stable Na-storage performance of Na _{0.5} Mn _{0.5} Ti _{0.5} O ₂ microrods as cathode for aqueous sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 802, 22-26	4.1	17
13	Morphology-controllable synthesis of LiMn ₂ O ₄ particles as cathode materials of lithium batteries. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1201-1206	2.6	15
12	Fabricating a carbon-encapsulated NaTi ₂ (PO ₄) ₃ framework as a robust anode material for aqueous sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 847, 113180	4.1	14
11	Carbon Nanolayer-Coated Na ₃ V ₂ (PO ₄) ₃ Nanocrystals Embedded in Conductive Carbon Matrix as High-Performance Cathode for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 2630-2635	4.3	14
10	Improved electrochemical performance of graphene-integrated NaTi ₂ (PO ₄) ₃ /C anode in high-concentration electrolyte for aqueous sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 838, 66-72	4.1	14
9	HxMoO ₃ -assisted deposition of platinum nanoparticles on MWNTs for electrocatalytic oxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4710-4716	6.7	13
8	Hydrothermally assisted transformation of corn stalk wastes into high-performance hard carbon anode for sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 871, 114249	4.1	12
7	Facile synthesis of lithium-rich layered oxide Li[Li _{0.2} Ni _{0.2} Mn _{0.6}]O ₂ as cathode of lithium-ion batteries with improved cyclic performance. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 221-227	2.6	10
6	Sensitivity and Intricacy of Cationic Substitutions on the First Charge/Discharge Cycle of Lithium-Rich Layered Oxide Cathodes. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A1662-A1666	3.9	10
5	Advance and Prospect of Functional Materials for Sodium Ion Batteries. <i>Acta Chimica Sinica</i> , 2017 , 75, 154	3.3	9
4	Understanding the effect of structural compositions on electrochemical properties of titanium-based polyanionic compounds for superior sodium storage. <i>Solid State Ionics</i> , 2020 , 345, 115194	3.3	9
3	A Novel Manganese-Based Lithium-Intercalated Cathode Material with High Cyclic Stability for Lithium-Ion Batteries. <i>Science of Advanced Materials</i> , 2014 , 6, 1506-1510	2.3	6
2	Superior Cycling Stability and Fast Reaction Kinetics of NaV _{2.9} Mg _{0.1} (PO ₄) ₃ /C Anode for Sodium-Ion Batteries. <i>Energy Technology</i> , 2019 , 7, 1900741	3.5	3
1	Dispersed platinum supported by hydrogen molybdenum bronze-modified carbon as electrocatalyst for methanol oxidation. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 903-908	2.6	3