

Xuan Wu

List of Publications by Year in descending order

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18
papers

1,325
citations

623734

14
h-index

794594

19
g-index

19
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19
docs citations

19
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Carbon-Based Anodes for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900343.	19.5	398
2	Direct synthesis of 3D hierarchically porous carbon/Sn composites <i>via in situ</i> generated NaCl crystals as templates for potassium-ion batteries anode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 434-442.	10.3	194
3	Enhanced capacity of chemically bonded phosphorus/carbon composite as an anode material for potassium-ion batteries. <i>Journal of Power Sources</i> , 2018, 378, 460-467.	7.8	155
4	Novel fabrication of N-doped hierarchically porous carbon with exceptional potassium storage properties. <i>Carbon</i> , 2018, 131, 79-85.	10.3	144
5	Sb nanoparticles encapsulated in 3D porous carbon as anode material for lithium-ion and potassium-ion batteries. <i>Materials Research Bulletin</i> , 2018, 103, 32-37.	5.2	102
6	Dealloyed nanoporous materials for rechargeable lithium batteries. <i>Electrochemical Energy Reviews</i> , 2020, 3, 541-580.	25.5	49
7	Phosphorus Particles Embedded in Reduced Graphene Oxide Matrix to Enhance Capacity and Rate Capability for Capacitive Potassium-Ion Storage. <i>Chemistry - A European Journal</i> , 2018, 24, 13897-13902.	3.3	47
8	Effects of functional binders on electrochemical performance of graphite anode in potassium-ion batteries. <i>Ionics</i> , 2019, 25, 2563-2574.	2.4	43
9	Structural Evolution upon Delithiation/Lithiation in Prelithiated Foil Anodes: A Case Study of AgLi Alloys with High Li Utilization and Marginal Volume Variation. <i>Advanced Energy Materials</i> , 2021, 11, 2003082.	19.5	42
10	Multiple templates fabrication of hierarchical porous carbon for enhanced rate capability in potassium-ion batteries. <i>Materials Today Energy</i> , 2019, 11, 182-191.	4.7	39
11	Exploration of Nanoporous CuBi Binary Alloy for Potassium Storage. <i>Advanced Functional Materials</i> , 2020, 30, 2003838.	14.9	26
12	Dealloyed Nanoporous Materials for Rechargeable Post-Lithium Batteries. <i>ChemSusChem</i> , 2020, 13, 3376-3390.	6.8	20
13	Self-supported NiSe@Ni ₃ S ₂ core-shell composite on Ni foam for a high-performance asymmetric supercapacitor. <i>Ionics</i> , 2020, 26, 3997-4007.	2.4	19
14	Dealloyed Nanoporous Materials for Rechargeable Post-Lithium Batteries. <i>ChemSusChem</i> , 2020, 13, 3287-3287.	6.8	14
15	Insert Zn Nanoparticles into the 3D Porous Carbon Ultrathin Films as a Superior Anode Material for Lithium Ion Battery. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700355.	2.3	11
16	Surface and Interface Modification of Electrode Materials for Lithium-Ion Batteries With Organic Liquid Electrolyte. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	11
17	Porous CoC ₂ O ₄ /Graphene Oxide Nanocomposite for Advanced Potassium-Ion Storage. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3610-3615.	0.9	9
18	Electrothermal, magnetic properties and microstructure of CrFeNiTi _x compositionally complex alloys. <i>Ferroelectrics</i> , 2021, 584, 100-112.	0.6	1