

Qingbing Xia

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,625
citations

279701

23
h-index

414303

32
g-index

32
all docs

32
docs citations

32
times ranked

2350
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface engineering of anode materials for improving sodium-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3889-3904.	5.2	20
2	Implanting an ion-selective "skin" in electrolyte towards high-energy and safe lithium-sulfur battery. <i>Matter</i> , 2022, 5, 2225-2237.	5.0	14
3	Synthesis of carbon-modified cobalt disphosphide as anode for sodium-ion storage. <i>Electrochimica Acta</i> , 2022, 423, 140611.	2.6	4
4	A review on biomass-derived hard carbon materials for sodium-ion batteries. <i>Materials Advances</i> , 2021, 2, 5881-5905.	2.6	50
5	Sulfur doping optimized intermediate energetics of FeCoOOH for enhanced oxygen evolution catalytic activity. <i>Cell Reports Physical Science</i> , 2021, 2, 100331.	2.8	7
6	Improved Performance of Na ₃ TiMn(PO ₄) ₃ Using a Non-stoichiometric Synthesis Strategy. <i>ACS Energy Letters</i> , 2021, 6, 2081-2089.	8.8	32
7	A P3-Type K _{1/2} Mn _{5/6} Mg _{1/12} Ni _{1/12} O ₂ Cathode Material for Potassium-Ion Batteries with High Structural Reversibility Secured by the Mg "Ni Pinning Effect". <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28369-28377.	4.0	29
8	Recent Progress on Two-Dimensional Carbon Materials for Emerging Post-Lithium (Na ⁺ , K ⁺ , Zn ²⁺) Hybrid Supercapacitors. <i>Polymers</i> , 2021, 13, 2137.	2.0	19
9	Copper phosphide as a promising anode material for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8378-8385.	5.2	16
10	Stress Distortion Restraint to Boost the Sodium Ion Storage Performance of a Novel Binary Hexacyanoferrate. <i>Advanced Energy Materials</i> , 2020, 10, 1903006.	10.2	67
11	Confining Ultrathin 2D Superlattices in Mesoporous Hollow Spheres Renders Ultrafast and High-Capacity Na ⁺ Ion Storage. <i>Advanced Energy Materials</i> , 2020, 10, 2001033.	10.2	25
12	Atomically thin mesoporous NiCo ₂ O ₄ grown on holey graphene for enhanced pseudocapacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13443-13451.	5.2	25
13	Ultrathin 2D Mesoporous TiO ₂ /rGO Heterostructure for High-Performance Lithium Storage. <i>Small</i> , 2020, 16, e2000030.	5.2	41
14	Strain engineering by atomic lattice locking in P2-type layered oxide cathode for high-voltage sodium-ion batteries. <i>Nano Energy</i> , 2020, 76, 105061.	8.2	25
15	How Cobalt and Iron Doping Determine the Oxygen Evolution Electrocatalytic Activity of NiOOH. <i>Cell Reports Physical Science</i> , 2020, 1, 100077.	2.8	35
16	A High-Kinetics Sulfur Cathode with a Highly Efficient Mechanism for Superior Room-Temperature Na ⁺ /S Batteries. <i>Advanced Materials</i> , 2020, 32, e1906700.	11.1	126
17	A borate decorated anion-immobilized solid polymer electrolyte for dendrite-free, long-life Li metal batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19970-19976.	5.2	32
18	Recent research progresses in ether- and ester-based electrolytes for sodium-ion batteries. <i>Informa "Materials</i> , 2019, 1, 376-389.	8.5	183

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19	2D Titania@Carbon Superlattices Vertically Encapsulated in 3D Hollow Carbon Nanospheres Embedded with 0D TiO ₂ Quantum Dots for Exceptional Sodium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14125-14128.	7.2	47
20	2D Titania@Carbon Superlattices Vertically Encapsulated in 3D Hollow Carbon Nanospheres Embedded with 0D TiO ₂ Quantum Dots for Exceptional Sodium-Ion Storage. <i>Angewandte Chemie</i> , 2019, 131, 14263-14266.	1.6	13
21	Phosphorus-Modulation-Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodium-Storage Performance. <i>Angewandte Chemie</i> , 2019, 131, 4062-4066.	1.6	11
22	Phosphorus-Modulation-Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodium-Storage Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4022-4026.	7.2	56
23	Insights into the Interfacial Instability between Carbon-Coated SiO Anode and Electrolyte in Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12902-12909.	1.5	23
24	Remarkable Enhancement in Sodium-Ion Kinetics of NaFe ₂ (CN) ₆ by Chemical Bonding with Graphene. <i>Small Methods</i> , 2018, 2, 1700346.	4.6	40
25	Phosphorus and phosphide nanomaterials for sodium-ion batteries. <i>Nano Research</i> , 2017, 10, 4055-4081.	5.8	111
26	Li ⁺ -conductive Li ₂ SiO ₃ stabilized Li-rich layered oxide with an in situ formed spinel nano-coating layer: toward enhanced electrochemical performance for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 34245-34253.	1.7	29
27	Cross-linked branching nanohybrid polymer electrolyte with monodispersed TiO ₂ nanoparticles for high performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 317, 103-111.	4.0	71
28	The Effect of Boron Doping on Structure and Electrochemical Performance of Lithium-Rich Layered Oxide Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18008-18017.	4.0	68
29	Surface Structural Transition Induced by Gradient Polyanion-Doping in Li-Rich Layered Oxides: Implications for Enhanced Electrochemical Performance. <i>Advanced Functional Materials</i> , 2016, 26, 4760-4767.	7.8	151
30	Composite electrolyte membranes incorporating viscous copolymers with cellulose for high performance lithium-ion batteries. <i>Journal of Membrane Science</i> , 2016, 497, 259-269.	4.1	66
31	A Li-rich Layered@Spinel@Carbon heterostructured cathode material for high capacity and high rate lithium-ion batteries fabricated via an in situ synchronous carbonization-reduction method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3995-4003.	5.2	135
32	Friction and wear behaviors of B4C/6061Al composite. <i>Materials & Design</i> , 2014, 60, 669-677.	5.1	54