

Black phosphorus composites with engineered interfaces for lithium storage

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Interface engineering renders high-rate high-capacity lithium storage in black phosphorous composite anodes with excellent cycling durability. <i>Science China Chemistry</i> , 2020, 63, 1734-1736.	4.2	4
2	Design of Black Phosphorous Derivatives with Excellent Stability and Ion-Kinetics for Alkali Metal-Ion Battery. <i>Energy Storage Materials</i> , 2021, 35, 283-309.	9.5	8
3	Carbon materials for ion-intercalation involved rechargeable battery technologies. <i>Chemical Society Reviews</i> , 2021, 50, 2388-2443.	18.7	255
4	<i>In situ</i> formed lithium ionic conductor thin film on the surface of high-crystal-layered LiCoO_2 as a high-voltage cathode material. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6171-6181.	3.2	8
5	Construction of the POMOF@Polypyrrole Composite with Enhanced Ion Diffusion and Capacitive Contribution for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6265-6275.	4.0	52
6	Enhanced lithium storage performance of porous Si/C composite anodes using a recrystallized NaCl template. <i>Dalton Transactions</i> , 2021, 50, 2815-2823.	1.6	4
7	Two-Dimensional Pseudocapacitive Nanomaterials for High-Energy- and High-Power-Oriented Applications of Supercapacitors. <i>Accounts of Materials Research</i> , 2021, 2, 86-96.	5.9	33
8	Understanding and tackling lattice manganese exfoliation and deactivation of battery-type NiMn-LDH in fast electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23286-23295.	5.2	13
9	Three-Dimensional MOFs@MXene Aerogel Composite Derived MXene Threaded Hollow Carbon Confined CoS Nanoparticles toward Advanced Alkali-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 3228-3240.	7.3	189
10	Recent advances in cathode engineering to enable reversible room-temperature aluminium-sulfur batteries. <i>Nanoscale Advances</i> , 2021, 3, 1569-1581.	2.2	25
11	Regulating Mass Transport Behavior for High-Performance Lithium Metal Batteries and Fast-Charging Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2002891.	10.2	75
12	A Covalent C Bond Stabilizes Red Phosphorus in an Engineered Carbon Host for High-Performance Lithium-Ion Battery Anodes. <i>ACS Nano</i> , 2021, 15, 3365-3375.	7.3	60
13	Phase diagram and superlattice structures of monolayer phosphorus carbide ($\sqrt{3} \times \sqrt{3}$) \times 1. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23286-23295.	0.9	3
14	Controlling the Formation of Sodium/Black Phosphorus Intercalation Compounds Towards High Sodium Content. <i>Batteries and Supercaps</i> , 2021, 4, 1304-1309.	2.4	3
15	Nanoengineering of Advanced Carbon Materials for Sodium-Ion Batteries. <i>Small</i> , 2021, 17, e2007431.	5.2	72
16	Core-Shell Structure of a Polypyrrole-Coated Phosphorus/Carbon Nanotube Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 4112-4118.	2.5	25
17	Covalent Coupling-Stabilized Transition-Metal Sulfide/Carbon Nanotube Composites for Lithium/Sodium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 6735-6746.	7.3	95
18	Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. <i>Angewandte Chemie</i> , 2021, 133, 11582-11587.	1.6	17

#	ARTICLE	IF	CITATIONS
19	Preparation of low temperature cure polybenzoxazine coating with enhanced thermal stability and mechanical properties by combustion synthesis approach. <i>Polymer</i> , 2021, 220, 123573.	1.8	10
20	Recent advances in the synthesis of non-carbon two-dimensional electrode materials for the aqueous electrolyte-based supercapacitors. <i>Chinese Chemical Letters</i> , 2021, 32, 3733-3752.	4.8	14
21	Few-Layer Siloxene as an Electrode for Superior High-Rate Zinc Ion Hybrid Capacitors. <i>ACS Energy Letters</i> , 2021, 6, 1786-1794.	8.8	50
22	Ultrathin [110]-Confined $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Nanoflakes for High Rate Lithium Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2003270.	10.2	22
23	Aligned Carbon-Based Electrodes for Fast-Charging Batteries: A Review. <i>Small</i> , 2021, 17, e2007676.	5.2	30
24	Laser-Manufactured Metastable Supranano SnO_x for Efficient Electron/Ion Bridging in SnO_2 -Graphene Heterostructure Boosting Lithium Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2101059.	7.8	22
25	Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11481-11486.	7.2	124
26	Stable Aqueous Anode-Free Zinc Batteries Enabled by Interfacial Engineering. <i>Advanced Functional Materials</i> , 2021, 31, 2101886.	7.8	162
27	Structural engineering of sulfur-doped carbon encapsulated bismuth sulfide core-shell structure for enhanced potassium storage performance. <i>Nano Research</i> , 2021, 14, 3545-3551.	5.8	16
28	Materials and Fabrication Strategies for Biocompatible and Biodegradable Conductive Polymer Composites toward Bio-Integrated Electronic Systems. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100075.	2.7	20
29	The synthesis of black phosphorus: from zero- to three-dimensional nanostructures. <i>JPhys Energy</i> , 2021, 3, 032007.	2.3	6
30	Revealing the Various Electrochemical Behaviors of Sn_4P_3 Binary Alloy Anodes in Alkali Metal Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2102047.	7.8	25
31	The Advance and Perspective on Electrode Materials for Metal-Ion Hybrid Capacitors. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100022.	2.8	13
32	Electron Matters: Recent Advances in Passivation and Applications of Black Phosphorus. <i>Advanced Materials</i> , 2021, 33, e2005924.	11.1	29
33	Two-dimensional black phosphorus: Properties, fabrication and application for flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 412, 128744.	6.6	37
34	Building a C-P bond to unlock the reversible and fast lithium storage performance of black phosphorus in all-solid-state lithium-ion batteries. <i>Materials Today Energy</i> , 2021, 20, 100662.	2.5	5
35	Ball-Cactus-Like Bi Embedded in N-Riched Carbon Nanonetworks Enables the Best Potassium Storage Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2103067.	7.8	42
36	High Electrical Conductivity $\text{AgCuTe}_{0.9}\text{Se}_{0.1}$ for Supercapacitor Electrode Material. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	2D Material-Based Heterostructures for Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2100864.	10.2	91
38	Harmonized edge/graphitic nitrogen doped carbon nanopolyhedron@nanosheet composite via salt confined strategy for advanced K-ion hybrid capacitors. <i>Information Materials</i> , 2021, 3, 891-903.	8.5	18
39	New Insights into the High-Performance Black Phosphorus Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101259.	11.1	41
40	Peering into few-layer black phosphorus nanosheets: from preparation to battery applications. <i>JPhys Energy</i> , 2021, 3, 032018.	2.3	2
41	In-situ introducing TiP ₂ nanocrystals in black phosphorus anode to promote high rate-capacity synergy. <i>Journal of Power Sources</i> , 2021, 499, 229979.	4.0	13
42	Recent Progresses on Applications of Conducting Polymers for Modifying Electrode of Rechargeable Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100088.	2.8	19
43	Black Phosphorus/Polymers: Status and Challenges. <i>Advanced Materials</i> , 2021, 33, e2100113.	11.1	53
44	SnS/SnS ₂ /rGO heterostructure with fast kinetics enables compact sodium ion storage. <i>FlatChem</i> , 2021, 28, 100259.	2.8	23
45	Materials with Electroprogrammable Stiffness. <i>Advanced Materials</i> , 2021, 33, e2007952.	11.1	42
46	Recent Developments of Two-Dimensional Anode Materials and Their Composites in Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 7440-7461.	2.5	48
47	Three-dimensional porous flower-like S-doped Fe ₂ O ₃ for superior lithium storage. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 716-724.	9.9	34
48	Future Material Developments for Electric Vehicle Battery Cells Answering Growing Demands from an End-User Perspective. <i>Energies</i> , 2021, 14, 4223.	1.6	21
49	Ni-FeP @carbon core-shell structure as advanced anode materials for superior lithium storage. <i>Applied Surface Science</i> , 2021, 554, 149666.	3.1	20
50	Atomically dispersed Ni induced by ultrahigh N-doped carbon enables stable sodium storage. <i>Chem</i> , 2021, 7, 2684-2694.	5.8	77
51	Electronic and mechanical properties of two-dimensional hybridized CuO/FeO superlattice: A first principles study. <i>Superlattices and Microstructures</i> , 2021, 156, 106966.	1.4	2
52	Controlled synthesis of core-shell Fe ₂ O ₃ @N-C with ultralong cycle life for lithium-ion batteries. <i>Chinese Chemical Letters</i> , 2022, 33, 1037-1041.	4.8	21
53	Regulation of SEI Formation by Anion Receptors to Achieve Ultra-Stable Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19232-19240.	7.2	66
54	Scalable Solvent-Based Fabrication of Thermo-Responsive Polymer Nanocomposites for Battery Safety Regulation. <i>Journal of the Electrochemical Society</i> , 2021, 168, 080507.	1.3	3

#	ARTICLE	IF	CITATIONS
55	Recent applications of black phosphorus and its related composites in electrochemistry and bioelectrochemistry: A mini review. <i>Electrochemistry Communications</i> , 2021, 129, 107095.	2.3	15
56	Strategies and Applications for Improving the Stability of Black Phosphorus in Physical Environment. <i>Advanced Engineering Materials</i> , 2021, 23, 2100450.	1.6	6
57	Ultrathin Metallic-Phase Molybdenum Disulfide Nanosheets Stabilized on Functionalized Carbon Nanotubes Via Covalent Interface Interaction for Sodium- and Lithium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 9440-9449.	2.5	11
58	Recent Progress in Emerging Two-Dimensional Transition Metal Carbides. <i>Nano-Micro Letters</i> , 2021, 13, 183.	14.4	82
59	Anisotropic photoresponse of layered rhenium disulfide synaptic transistors. <i>Chinese Physics B</i> , 2021, 30, 088503.	0.7	1
60	Regulation of SEI Formation by Anion Receptors to Achieve Ultra-Stable Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2021, 133, 19381-19389.	1.6	13
61	Commercialization-Driven Electrodes Design for Lithium Batteries: Basic Guidance, Opportunities, and Perspectives. <i>Small</i> , 2021, 17, e2102233.	5.2	38
62	Immobilizing Redox-Active Tricycloquinazoline into a 2D Conductive Metal-Organic Framework for Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24467-24472.	7.2	67
63	Performance-limiting factors of graphite in sulfide-based all-solid-state lithium-ion batteries. <i>Electrochimica Acta</i> , 2021, 389, 138735.	2.6	14
64	Immobilizing Redox-Active Tricycloquinazoline into a 2D Conductive Metal-Organic Framework for Lithium Storage. <i>Angewandte Chemie</i> , 2021, 133, 24672.	1.6	12
65	Negative electrode materials for high-energy density Li- and Na-ion batteries. <i>Current Opinion in Electrochemistry</i> , 2022, 31, 100840.	2.5	9
66	Radial Pores in Nitrogen/Oxygen Dual-Doped Carbon Nanospheres Anode Boost High-Power and Ultrastable Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2107246.	7.8	112
67	Rational design of black phosphorene/g-C3B heterostructures as high-performance electrodes for Li and Na-ion batteries. <i>Applied Surface Science</i> , 2021, 561, 150093.	3.1	13
68	One-pot preparation of Ni2P nanoparticles anchored on N, P co-doped porous carbon nanosheets for high-efficiency lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160261.	2.8	14
69	Using carbon black to facilitate fast charging in lithium-ion batteries. <i>Journal of Power Sources</i> , 2021, 508, 230342.	4.0	22
70	Carbon-based materials for fast charging lithium-ion batteries. <i>Carbon</i> , 2021, 183, 721-734.	5.4	177
71	Black phosphorus coupled black titania nanocomposites with enhanced sunlight absorption properties for efficient photocatalytic CO2 reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120211.	10.8	47
72	Black P@MO (M=Mg, Al, or Ti) composites as superior Li-ion battery anodes. <i>Chemical Engineering Journal</i> , 2021, 424, 130366.	6.6	2

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73	Interconnected carbon nanocapsules with high N/S co-doping as stable and high-capacity potassium-ion battery anode. <i>Journal of Energy Chemistry</i> , 2022, 66, 195-204.	7.1	58
74	Design and synthesis of transition metal oxide/zeolitic imidazolate framework-67 composites. <i>Chemical Engineering Journal</i> , 2022, 429, 132146.	6.6	33
75	Constructing N-doping biomass-derived carbon with hierarchically porous architecture to boost fast reaction kinetics for high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 741-751.	5.0	19
76	The development, application, and performance of black phosphorus in energy storage and conversion. <i>Materials Advances</i> , 2021, 2, 2483-2509.	2.6	14
77	Black phosphorene/blue phosphorene van der Waals heterostructure: a potential anode material for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 17392-17401.	1.3	6
78	Phosphorus K ^L X-ray emission spectroscopy detects non-covalent interactions of phosphate biomolecules <i>in situ</i> . <i>Chemical Science</i> , 2021, 12, 7888-7901.	3.7	7
79	Regulation of nitrogen configurations and content in 3D porous carbons for improved lithium storage. <i>Dalton Transactions</i> , 2021, 50, 14390-14399.	1.6	2
80	Cubic Spinel XIn ₂ S ₄ (X = Fe, Co, Mn): A New Type of Anode Material for Superfast and Ultrastable Na ⁺ Ion Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2102137.	10.2	23
81	Surface-Dependent Intermediate Adsorption Modulation on Iridium-Modified Black Phosphorus Electrocatalysts for Efficient pH-Universal Water Splitting. <i>Advanced Materials</i> , 2021, 33, e2104638.	11.1	65
82	Three-Dimensional Cobalt Hydroxide Hollow Cube/Vertical Nanosheets with High Desalination Capacity and Long-Term Performance Stability in Capacitive Deionization. <i>Research</i> , 2021, 2021, 9754145.	2.8	6
83	Recent Progress on In Situ/Operando Characterization of Rechargeable Alkali Ion Batteries. <i>ChemPlusChem</i> , 2021, 86, 1487-1496.	1.3	3
84	Large-scale preparation of black phosphorus by molten salt method for energy storage. <i>ChemPhysMater</i> , 2022, 1, 1-5.	1.4	5
85	Robust Solid Electrolyte Interphases in Localized High Concentration Electrolytes Boosting Black Phosphorus Anode for Potassium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 16851-16860.	7.3	41
86	Fast ion diffusion kinetics based on ferroelectric and piezoelectric effect of SnO ₂ /BaTiO ₃ heterostructures for high-rate sodium storage. <i>Nano Energy</i> , 2021, 90, 106591.	8.2	42
87	Cluster-Bridging-Coordinated Bimetallic Metal-Organic Framework as High-Performance Anode Material for Lithium-Ion Storage. <i>Small Structures</i> , 2021, 2, 2100122.	6.9	25
88	Self-assembled homogeneous SiOC@C/graphene with three-dimensional lamellar structure enabling improved capacity and rate performances for lithium ion storage. <i>Carbon</i> , 2022, 186, 273-281.	5.4	24
89	Perovskite-Type SrVO ₃ as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2107262.	11.1	29
90	Titanates for sodium-ion storage. <i>Nano Today</i> , 2022, 42, 101349.	6.2	45

#	ARTICLE	IF	CITATIONS
91	Ultrahigh Rate and Ultralong Life Span Sodium Storage of FePS ₃ Enabled by the Space Confinement Effect of Layered Expanded Graphite. ACS Applied Materials & Interfaces, 2021, 13, 55254-55262.	4.0	11
92	Hierarchical Atomic Layer Deposited V ₂ O ₅ on 3D Printed Nanocarbon Electrodes for High-Performance Aqueous Zinc-Ion Batteries. Small, 2022, 18, e2105572.	5.2	29
93	Interfacial Strategies for Suppression of Mn Dissolution in Rechargeable Battery Cathode Materials. ACS Applied Materials & Interfaces, 2022, 14, 23022-23032.	4.0	35
94	Metal-Complex-Assisted Synthesis of SnSe Nanorods for Lithium-Ion-Battery Anodes. ACS Applied Nano Materials, 2021, 4, 13010-13017.	2.4	6
95	Anisotropic black phosphorene nanotube anodes afford ultrafast kinetic rate or extra capacities for Li-ion batteries. Chinese Chemical Letters, 2022, 33, 3842-3848.	4.8	4
96	Eliminating Edge Electronic and Phonon States of Phosphorene Nanoribbon by Unique Edge Reconstruction. Small, 2022, 18, e2105130.	5.2	9
97	Self-Expanding Ion Transport Channels on Anodes for Fast-Charging Lithium-Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	8
98	Superior rate and long-lived performance of few-layered black phosphorus-based hybrid anode for lithium-ion batteries. Electrochimica Acta, 2022, 403, 139697.	2.6	15
99	Self-Expanding Ion Transport Channels on Anodes for Fast-Charging Lithium-Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, e202113313.	7.2	46
100	Alkali and alkaline-earth metal ion-solvent co-intercalation reactions in nonaqueous rechargeable batteries. Chemical Science, 2021, 12, 15206-15218.	3.7	6
101	Surfactant-Free Synthesis of Ultrafine Pt Nanoparticles on MoS ₂ Nanosheets as Bifunctional Catalysts for the Hydrodeoxygenation of Bio-Oil. Langmuir, 2020, 36, 14710-14716.	1.6	7
102	Co/Li-dual-site doping towards LiCoO ₂ as a high-voltage, fast-charging, and long-cycling cathode material. Journal of Materials Chemistry A, 2022, 10, 5295-5304.	5.2	21
103	Tannic acid-polypyrrole multifunctional coating layer enhancing the interface effect and efficient Li-ion transport of a phosphorus anode. Nanoscale, 2022, 14, 3625-3631.	2.8	6
104	Black Phosphorus-Graphite Material Composites with a Low Activation Energy of Interfacial Conductivity. Electrochemistry, 2022, 90, .	0.6	1
105	Revisiting the Roles of Natural Graphite in Ongoing Lithium-Ion Batteries. Advanced Materials, 2022, 34, e2106704.	11.1	99
106	A Silicon Monoxide Lithium-Ion Battery Anode with Ultrahigh Areal Capacity. Nano-Micro Letters, 2022, 14, 50.	14.4	59
107	Two-Electron Redox Chemistry Enabled High-Performance Iodide-Ion Conversion Battery. Angewandte Chemie, 2022, 134, .	1.6	4
108	Two-Electron Redox Chemistry Enabled High-Performance Iodide-Ion Conversion Battery. Angewandte Chemie - International Edition, 2022, 61, .	7.2	34

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109	Toward Practical High-Energy and High-Power Lithium Battery Anodes: Present and Future. <i>Advanced Science</i> , 2022, 9, e2105213.	5.6	84
110	Hierarchical Ion/Electron Networks Enable Efficient Red Phosphorus Anode with High Mass Loading for Sodium Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	21
111	A microstructure engineered perovskite super anode with Li-storage life of exceeding 10,000 cycles. <i>Nano Energy</i> , 2022, 94, 106972.	8.2	19
112	A Facile Surface Passivation Method to Stabilized Lithium Metal Anodes Facilitate the Practical Application of Quasi-Solid-State Batteries. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	6
113	Fabrication of VO Nanorings on a Porous Carbon Architecture for High-Performance Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9454-9463.	4.0	9
114	Construction of $\text{V}^{3+}\text{-MnS}/\text{V}^{\pm}\text{-MnS}$ hetero-phase junction for high-performance sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 435, 135149.	6.6	16
115	Effects of Cs^+ and Ar^+ ion bombardment on the damage of graphite crystals. <i>Applied Surface Science</i> , 2022, 585, 152756.	3.1	4
116	A Microstructure Engineered Perovskite Super Anode with Li-Storage Life of Exceeding 10000 Cycles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
117	Construction of $\text{V}^{3+}\text{-MnS}/\text{V}^{\pm}\text{-MnS}$ Hetero-Phase Junction for High-Performance Sodium-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
118	Hydroxylate Black-Phosphorus Promote the Supercapacitive Performances of Polyaniline by 200%: From Theoretical Prediction to Prototype Device. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
119	Natural wood-derived free-standing films as efficient and stable separators for high-performance lithium ion batteries. <i>Nanoscale Advances</i> , 2022, 4, 1718-1726.	2.2	5
120	Elemental phosphorus for recent sustainable processes: rules and strategies in preparation and applications. <i>Green Chemistry</i> , 2022, 24, 3475-3501.	4.6	14
121	Recent advances and future perspectives for aqueous zinc-ion capacitors. <i>Materials Futures</i> , 2022, 1, 022101.	3.1	34
122	Two-Dimensional Layered Green Phosphorus as an Anode Material for Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 2184-2191.	2.5	6
123	Bi Works as a Li Reservoir for Promoting the Fast-Charging Performance of Phosphorus Anode for Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	37
124	Dealloying Synthesis of Silicon Nanotubes for High-Performance Lithium Ion Batteries. <i>ChemPhysChem</i> , 2022, , .	1.0	2
125	Construction of $\langle \text{Carbon-Coated} \rangle$ Cobalt Sulfide Hybrid Networks $\langle \text{Inter-Connected} \rangle$ by Carbon Nanotubes for $\langle \text{Performance-Enhanced Potassium-Ion} \rangle$ Storage. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1313-1320.	2.6	3
126	A Dual-Functional Titanium Nitride Chloride Layered Matrix with Facile Lithium-Ion Diffusion Path and Decoupled Electron Transport as High-Capacity Anodes. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8

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127	Polyvinylpyrrolidone-regulated synthesis of hollow manganese vanadium oxide microspheres as a high-performance anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 144-152.	5.0	12
128	Mesoporous Single-Crystal Lithium Titanate Enabling Fast-Charging Li-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2109356.	11.1	30
129	Extreme Enhancement of Carbon Hydrogasification via Mechanochemistry. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
130	Charged Particle Induced Etching and Functionalization of Two-Dimensional Materials. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 035011.	0.9	1
131	Fast Charging Anode Materials for Lithium-Ion Batteries: Current Status and Perspectives. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	185
132	Extreme Enhancement of Carbon Hydrogasification via Mechanochemistry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	5
133	Surface and interface control of black phosphorus. <i>CheM</i> , 2022, 8, 632-662.	5.8	28
134	Black Phosphorus-Based Lithium-Ion Capacitor. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	1
135	Laser-Derived Interfacial Confinement Enables Planar Growth of 2D SnS ₂ on Graphene for High-Flux Electron/Ion Bridging in Sodium Storage. <i>Nano-Micro Letters</i> , 2022, 14, 91.	14.4	10
136	Phosphorus/Phosphide-Based Materials for Alkali Metal-Ion Batteries. <i>Advanced Science</i> , 2022, 9, e2200740.	5.6	14
137	Unveiling unique steric effect of threonine additive for highly reversible Zn anode. <i>Nano Energy</i> , 2022, 97, 107145.	8.2	69
138	A safer, symmetric all-organic battery based on temperature-responsive polymers as both cathode and anode. <i>Chemical Engineering Journal</i> , 2022, 442, 136232.	6.6	9
139	Constructing advanced electrode materials for low-temperature lithium-ion batteries: A review. <i>Energy Reports</i> , 2022, 8, 4525-4534.	2.5	64
140	Water resource prospects for the next 50 years on the water planet: personal perspectives on a shared history from Earth Day, the Fourth Industrial Revolution and One Health to the futures of alternative energy, bioconvergence and quantum computing. <i>Water International</i> , 2021, 46, 1158-1186.	0.4	2
141	Facile Separator Modification Strategy for Trapping Soluble Polyphosphides and Enhancing the Electrochemical Performance of Phosphorus Anode. <i>Nano Letters</i> , 2022, 22, 1795-1803.	4.5	16
142	Construction of Large Non-Localized π -Electron System for Enhanced Sodium-Ion Storage. <i>Small</i> , 2022, 18, e2105825.	5.2	7
143	Bi@C Nanospheres with the Unique Petaloid Core-Shell Structure Anchored on Porous Graphene Nanosheets as an Anode for Stable Sodium- and Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59867-59881.	4.0	27
144	Structural Insights into the Lithium Ion Storage Behaviors of Niobium Tungsten Double Oxides. <i>Chemistry of Materials</i> , 2022, 34, 388-398.	3.2	21

#	ARTICLE	IF	CITATIONS
145	Topochemistry-Driven Synthesis of Transition-Metal Selenides with Weakened Van Der Waals Force to Enable 3D-Printed Na-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	91
146	2D layered black arsenic-phosphorus materials: Synthesis, properties, and device applications. <i>Nano Research</i> , 2022, 15, 3737-3752.	5.8	36
147	High-Performance Black Phosphorus/Cnts/Mxene Ternary Composite as an Anode Material for Lithium-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
148	Stable and conductive carbon networks enabling high-performance silicon anodes for lithium-ion batteries. <i>Cell Reports Physical Science</i> , 2022, 3, 100862.	2.8	9
149	Electrochemistry of P-C Bonds in Phosphorus-Carbon Based Anode Materials. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18506-18512.	4.0	9
150	Phosphorus-Based Anodes for Fast Charging Lithium-Ion Batteries: Challenges and Opportunities. <i>Small Science</i> , 2022, 2, .	5.8	25
151	Mos2/Graphene Hybrid Nanosheets Prepared by Xylitol Assisted Ball Milling as High-Performance Anode Materials for Lithium-Ion Batteries. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
152	Strategies to activate inert nitrogen molecules for efficient ammonia electrosynthesis: current status, challenges, and perspectives. <i>Energy and Environmental Science</i> , 2022, 15, 2776-2805.	15.6	48
153	Advanced Dual-Ion Batteries with High-Capacity Negative Electrodes Incorporating Black Phosphorus. <i>Advanced Science</i> , 2022, , 2201116.	5.6	11
154	Structural, Electronic, and Transport Properties of Phosphorene-Graphene Lateral Heterostructure Anodes: Insights from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8928-8937.	1.5	7
155	Metal Hydrides with In Situ Built Electron/Ion Dual-Conductive Framework for Stable All-Solid-State Li-Ion Batteries. <i>ACS Nano</i> , 2022, 16, 8040-8050.	7.3	5
156	Facile synthesis of black phosphorene via a low melting media assisted ball milling. <i>Chemical Engineering Journal</i> , 2022, 444, 136593.	6.6	12
157	Boosting Li-Ion Diffusion Kinetics of Na ₂ Ti ₆ Mo ₁₃ O ₁₃ via Coherent Dimensional Engineering and Lattice Tailoring: An Alternative High-Rate Anode. <i>ACS Nano</i> , 2022, 16, 9117-9129.	7.3	9
158	High-energy graphite microcrystalline carbon for high-performance lithium-ion capacitor: Diffusion kinetics and lithium-storage mechanism. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 1190-1199.	5.0	7
159	Hydroxylate Black-Phosphorus Promote the Supercapacitive Performances of Polyaniline by 200%: From Theoretical Prediction to Prototype Device. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
160	Single-Layer-Particle Electrode Design for Practical Fast-Charging Lithium-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, .	11.1	33
161	Advancing Performance and Unfolding Mechanism of Lithium and Sodium Storage in SnO ₂ via Precision Synthesis of Monodisperse PEG-Ligated Nanoparticles. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	34
162	Structure-Optimized Phosphorene for Super-Stable Potassium Storage. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	23

#	ARTICLE	IF	CITATIONS
163	Electrochemical Exfoliation of Twoâ€Dimensional Phosphorene Sheets and its Energy Application. Chemistry - A European Journal, 2022, 28, .	1.7	9
164	2D/2D Black Phosphorus/Nickel Hydroxide Heterostructures for Promoting Oxygen Evolution via Electronic Structure Modulation and Surface Reconstruction. Advanced Energy Materials, 2022, 12, .	10.2	37
165	A Lamellar MoNb12O33 as the High-Rate Anode Material for Lithium-Ion Batteries. Journal of Electronic Materials, 2022, 51, 4125-4132.	1.0	2
166	Interconnected honeycomb-like carbon with rich nitrogen/sulfur doping for stable potassium ion storage. Electrochimica Acta, 2022, 424, 140596.	2.6	6
167	Unlocking the side reaction mechanism of phosphorus anode with binder and the development of a multifunctional binder for enhancing the performance. Journal of Power Sources, 2022, 541, 231686.	4.0	8
168	Phosphorus-based nanomaterials for lithium-ion battery anode. , 2023, , 533-549.		5
169	Tuning working potential of silicon-phosphorus anode via microstructure control for high-energy lithium-ion batteries. Journal of Solid State Electrochemistry, 0, , .	1.2	1
170	Unprecedented Superhighâ€Rate and Ultrastable Anode for Highâ€Power Battery via Cationic Disorder. Advanced Energy Materials, 2022, 12, .	10.2	22
171	Self-supported hollow-Co3O4@CNT: A versatile anode and cathode host material for high-performance lithium-ion and lithium-sulfur batteries. Journal of Alloys and Compounds, 2022, 920, 166022.	2.8	8
172	Integrating SEI into Layered Conductive Polymer Coatings for Ultrastable Silicon Anodes. Advanced Materials, 2022, 34, .	11.1	70
173	Recent advances in modulation engineering-enabled metal compounds for potassium-ion storage. Energy Storage Materials, 2022, 51, 815-839.	9.5	25
174	An amorphous TiOx-coated black phosphorus composite with enhanced cycling performance as an anode for lithium-ion batteries. Journal of Alloys and Compounds, 2022, 921, 166220.	2.8	3
175	Interface engineering of high entropy Oxide@Polyaniline heterojunction enables highly stable and excellent lithium ion storage performance. Chemical Engineering Journal, 2022, 450, 137924.	6.6	18
176	Li-Compound Anodes: A Classification for High-Performance Li-Ion Battery Anodes. ACS Nano, 2022, 16, 13704-13714.	7.3	14
177	Elastic response of monolayer Si_1Mn_1 Physical Review B, 2022, 106, .		
178	Regulating Lithium Salt to Inhibit Surface Gelation on an Electrocatalyst for High-Energy-Density Lithiumâ€Sulfur Batteries. Journal of the American Chemical Society, 2022, 144, 14638-14646.	6.6	74
179	Atomically Sharp, Closed Bilayer Phosphorene Edges by Self-Passivation. ACS Nano, 2022, 16, 12822-12830.	7.3	8
180	Study on annealing treatment of spinel $\text{LiNi}_5\text{Mn}_1\text{O}_5\text{O}_4$ as cathode materials for highâ€voltage lithiumâ€ion batteries. International Journal of Energy Research, 2022, 46, 18495-18510.	2.2	8

#	ARTICLE	IF	CITATIONS
181	The rise of AI optoelectronic sensors: From nanomaterial synthesis, device design to practical application. <i>Materials Today Physics</i> , 2022, 27, 100812.	2.9	12
182	A robust Janus bilayer with tailored ionic conductivity and interface stability for stable Li metal anodes. <i>Journal of Energy Chemistry</i> , 2022, 74, 368-375.	7.1	2
183	Interfacial design of silicon/carbon anodes for rechargeable batteries: A review. <i>Journal of Energy Chemistry</i> , 2023, 76, 576-600.	7.1	64
184	Two-Dimensional Black Phosphorus: Preparation, Passivation and Lithium-Ion Battery Applications. <i>Molecules</i> , 2022, 27, 5845.	1.7	4
185	Quantitative manipulation of covalent bonds to obtain ultra-stable half/full Li-ion batteries via gel encapsulation-post annealing route. <i>Composites Science and Technology</i> , 2022, 229, 109668.	3.8	1
186	Sulfur defects engineering enables high-performance manganese sulfide anode. <i>Journal of Power Sources</i> , 2022, 549, 232087.	4.0	6
187	Black phosphorus quantum dots regulate electronic structure of perovskite catalyst for enhanced peroxodisulfate activation and non-radical decontamination. <i>Applied Catalysis B: Environmental</i> , 2022, 319, 121930.	10.8	10
188	Solvent-free and large-scale synthesis of SiO ₂ /C nanocomposite with carbon encapsulation for high-performance lithium-ion battery anodes. <i>Composites Part B: Engineering</i> , 2022, 247, 110308.	5.9	11
189	Red@Black phosphorus core-shell heterostructure with superior air stability for high-rate and durable sodium-ion battery. <i>Materials Today</i> , 2022, 59, 36-45.	8.3	27
190	Strategies to enhance Li ⁺ transference number in liquid electrolytes for better lithium batteries. <i>Nano Research</i> , 2023, 16, 8055-8071.	5.8	25
191	Recent advances in MXene-based anode materials for alkali metal-ion capacitors. <i>Materials Today Sustainability</i> , 2022, 20, 100226.	1.9	7
192	Elastic Buffering Layer on CuS Enabling High-Rate and Long-Life Sodium-Ion Storage. <i>Nano-Micro Letters</i> , 2022, 14, .	14.4	21
193	Opportunities and Challenges of Black Phosphorus for Electrocatalysis and Rechargeable Batteries. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	6
194	Long-life silicon anodes by conformal molecular-deposited polyurea interface for lithium ion batteries. <i>Nano Energy</i> , 2022, 103, 107829.	8.2	30
195	Towards fast-charging high-energy lithium-ion batteries: From nano- to micro-structuring perspectives. <i>Chemical Engineering Journal</i> , 2023, 454, 140003.	6.6	14
196	Solid-phase sintering and vapor-liquid-solid growth of BP@MgO quantum dot crystals with a high piezoelectric response. <i>Journal of Advanced Ceramics</i> , 2022, 11, 1725-1734.	8.9	12
197	Effect of Extremely Short-Sized MWCNT as Additive Material in High Surface Area Activated Carbon and Its Enhanced Electrical LIC Performance. <i>Molecules</i> , 2022, 27, 7033.	1.7	0
198	Three-dimensional hierarchically porous MoS ₂ foam as high-rate and stable lithium-ion battery anode. <i>Nature Communications</i> , 2022, 13, .	5.8	44

#	ARTICLE	IF	CITATIONS
199	Unexpected Redispersion Effect of Au Nanoclusters for Enormous Enhancement of Electrocatalytic Stability and Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	9
200	Three-dimensional carbon-based endogenous-exogenous MoO ₂ composites as high-performance negative electrode in asymmetric supercapacitors and efficient electrocatalyst for oxygen evolution reaction. <i>Ceramics International</i> , 2023, 49, 5646-5656.	2.3	8
201	Engineering Microstructure of a Robust Polymer Anode by Moderate Pyrolysis for High-Performance Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 49641-49649.	4.0	2
202	Synergistic Design of Multifunctional Interfacial Zn Host toward Practical Zn Metal Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	37
203	Ultrahigh lithiation dynamics of Li ₄ Ti ₅ O ₁₂ as an anode material with open diffusion channels induced by chemical presodiation. <i>Rare Metals</i> , 0, , .	3.6	4
204	Ternary all-lithium-reactive AlGeP solid solution as an advanced anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2023, 934, 167622.	2.8	5
205	Intrinsic and engineered properties of black phosphorus. <i>Materials Today Physics</i> , 2022, 28, 100895.	2.9	9
206	Hydroxylate black-phosphorus promote the supercapacitive performances of polyaniline by 200%: From theoretical prediction to prototype device. <i>Electrochimica Acta</i> , 2022, 434, 141327.	2.6	0
207	Digital Twin Enables Rational Design of Ultrahigh-Power Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	5
208	A thermoregulating separator based on black phosphorus/MOFs heterostructure for thermo-stable lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2023, 454, 140250.	6.6	18
209	Iodine-Ion-Assisted Galvanic Replacement Synthesis of Bismuth Nanotubes for Ultrafast and Ultrastable Sodium Storage. <i>ACS Nano</i> , 2022, 16, 18746-18756.	7.3	16
210	Unlocking Charge Transfer Limitations for Extreme Fast Charging of Li-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	37
211	Local Electric Field Promoted Kinetics and Interfacial Stability of a Phosphorus Anode with Ionic Covalent Organic Frameworks. <i>Advanced Materials</i> , 2023, 35, .	11.1	5
212	Surface Oxidation of Phosphorus for Strengthening Interface Interaction and Enhancing Lithium-Storage Performance. <i>Nano Letters</i> , 2022, 22, 9335-9342.	4.5	12
213	Unlocking Charge Transfer Limitations for Extreme Fast Charging of Li-Ion Batteries. <i>Angewandte Chemie</i> , 0, , .	1.6	0
214	Self-assembly design of novel tin/lignite-derived graphene-like porous carbon composite for lithium-ion battery. <i>Diamond and Related Materials</i> , 2023, 131, 109610.	1.8	1
215	Constructing hierarchical SnS ₂ hollow micron cages anchored on S-doped graphene as anodes for superior performance alkali-ion batteries. <i>Electrochimica Acta</i> , 2023, 439, 141590.	2.6	2
216	Novel two-dimensional layered black phosphorus/nano-Si composites anode for Li-ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2023, 288, 116198.	1.7	1

#	ARTICLE	IF	CITATIONS
217	SnS nanosheets firmly bound in alkali-treated wrinkled MXene framework with enhanced lithium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2023, 633, 737-745.	5.0	6
218	Lithium-ion insertion properties of one-dimensional layered rhenium phosphide. <i>Journal of Alloys and Compounds</i> , 2023, 936, 168331.	2.8	2
219	Kinetic and Thermodynamic Insights into Advanced Energy Storage Mechanisms of Battery-Type Bimetallic Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2022, 34, 10338-10346.	3.2	4
220	Energy evolution mechanism of nanonetwork from hydrogenated graphene scrolls. <i>Materials Today Communications</i> , 2022, 33, 104957.	0.9	0
221	Boron-Catalyzed Graphitization Carbon Layer Enabling $\text{LiMn}_{0.8}\text{Fe}_{0.2}\text{PO}_4$ Cathode Superior Kinetics and Storage Properties. <i>Small Methods</i> , 2023, 7, .	4.6	2
222	Inhibiting the Dissolution of Lithium Polyphosphides and Enhancing the Reaction Kinetics of a Phosphorus Anode via Screening Functional Additives. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 11558-11563.	2.1	0
223	MoS ₂ /graphene nanosheet composites prepared by xylitol-assisted ball milling as high-performance anode materials for lithium-ion batteries. <i>Ionics</i> , 2023, 29, 917-930.	1.2	4
224	Zero to Three Dimension Structure Evolution from Carbon Allotropes to Phosphorus Allotropes. <i>Advanced Materials Interfaces</i> , 2023, 10, .	1.9	7
225	Step by Step Induced Growth of Zinc-Metal Interface on Graphdiyne for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	3
226	Significant differences in the electrochemical activity of black phosphorus anodes prepared under different atmospheres. <i>Chemical Communications</i> , 2023, 59, 1349-1352.	2.2	1
227	Designing strategies of advanced electrode materials for high-rate rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2023, 11, 4428-4457.	5.2	11
228	Step by Step Induced Growth of Zinc-Metal Interface on Graphdiyne for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	67
229	Highly efficient lithium-ion battery cathode material recycling using deep eutectic solvent based nanofluids. , 2023, 1, 270-281.		7
230	Voltage Mediated Enhances Lithium-Ion Storage in LiTiOPO_4 with Oxygen Vacancy. <i>ChemistrySelect</i> , 2023, 8, .	0.7	2
231	Self-Powered and Broadband Bismuth Oxyselenide/p-Silicon Heterojunction Photodetectors with Low Dark Current and Fast Response. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 5411-5419.	4.0	8
232	Yolk-Shell Sb@Void@Graphdiyne Nanoboxes for High-Rate and Long Cycle Life Sodium-Ion Batteries. <i>ACS Nano</i> , 2023, 17, 2431-2439.	7.3	33
233	Surface-dominated potassium storage enabled by single-atomic sulfur for high-performance K-ion battery anodes. <i>Energy and Environmental Science</i> , 2023, 16, 1540-1547.	15.6	19
234	Interfacial effects on lithium-ion diffusion in two-dimensional lateral black phosphorus-graphene heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 6830-6837.	1.3	1

#	ARTICLE	IF	CITATIONS
235	Charge and mass transport mechanisms in two-dimensional covalent organic frameworks (2D COFs) for electrochemical energy storage devices. <i>Energy and Environmental Science</i> , 2023, 16, 889-951.	15.6	29
236	A universal strategy for large-scale and controlled fabrication of conductive mesoporous polymer monolayers. <i>Chemical Engineering Journal</i> , 2023, 460, 141504.	6.6	0
237	General low-temperature growth of two-dimensional nanosheets from layered and nonlayered materials. <i>Nature Communications</i> , 2023, 14, .	5.8	39
238	Single-Phase Ternary Compounds with a Disordered Lattice and Liquid Metal Phase for High-Performance Li-Ion Battery Anodes. <i>Nano-Micro Letters</i> , 2023, 15, .	14.4	7
239	A High-Capacity black Phosphorus-Graphite-Sn anode for Lithium-ion batteries. <i>Materials Letters</i> , 2023, 343, 134376.	1.3	3
240	Heteroatomic phosphorus selenides molecules encapsulated in porous carbon as a highly reversible anode for sodium-ion batteries. <i>Materials Today Nano</i> , 2023, 22, 100344.	2.3	0
241	Black phosphorus stabilized by titanium disulfide and graphite via chemical bonds for high-performance lithium storage. <i>Journal of Colloid and Interface Science</i> , 2023, 643, 1-8.	5.0	2
242	High-rate and excellent-cycle performance Li ₄ Ti ₅ O ₁₂ electrodes with 3D porous copper foils as current collectors fabricated using a femtosecond laser processing strategy. <i>Journal of Energy Storage</i> , 2023, 62, 106915.	3.9	1
243	On-site conversion reaction enables ion-conducting surface on red phosphorus/carbon anode for durable and fast sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2023, 80, 381-391.	7.1	7
244	A black phosphorus-graphite hybrid as a Li-ion regulator enabling stable lithium deposition. , 2022, 52, 3.		0
245	State of the art of lithium-ion battery material potentials: An analytical evaluations, issues and future research directions. <i>Journal of Cleaner Production</i> , 2023, 394, 136246.	4.6	28
246	Multiple Accessible Redox-Active Sites in a Robust Covalent Organic Framework for High-Performance Potassium Storage. <i>Journal of the American Chemical Society</i> , 2023, 145, 5105-5113.	6.6	28
247	Porous bismuth nanocrystals with advanced sodium ion storage property. <i>Progress in Natural Science: Materials International</i> , 2023, 33, 92-99.	1.8	2
248	Engineering the First Coordination Shell of Single Zn Atoms via Molecular Design Strategy toward High-Performance Sodium-Ion Hybrid Capacitors. <i>Small</i> , 2023, 19, .	5.2	8
249	Abnormal Negative Thermal Quenching of Photoluminescence (PL) in Laser-Induced Exfoliated Black Phosphorus Quantum Dots for Applications as a Semiconductor PL Nanomaterial. <i>ACS Applied Nano Materials</i> , 2023, 6, 3211-3217.	2.4	4
250	Pea-like MoS ₂ @NiS _{1.03} carbon heterostructured hollow nanofibers for high-performance sodium storage. , 2023, 5, .		20
251	From highly oriented bulk black arsenic phosphorus to well-crystallized exfoliated flakes with enhanced anti-oxidation: precise control upon chemical vapor transport. <i>Journal of Materials Chemistry C</i> , 2023, 11, 4683-4693.	2.7	0
252	Strong interaction between phosphorus and wrinkle carbon sphere promote the performance of phosphorus anode material for lithium-ion batteries. <i>Nano Research</i> , 2023, 16, 9273-9279.	5.8	8

#	ARTICLE	IF	CITATIONS
253	The Vital Role of Electrolyte Reduction Potential in Forming a Stable SEI in Phosphorus-Based Anodes. <i>Small</i> , 2023, 19, .	5.2	3
254	Chemical Vapor Transport Synthesis of Fibrous Red Phosphorus Crystal as Anodes for Lithium-Ion Batteries. <i>Nanomaterials</i> , 2023, 13, 1060.	1.9	4
255	Adsorption-Assisted Redox Center in Porous Organic Frameworks for Boosting Lithium Storage. <i>ChemSusChem</i> , 0, , .	3.6	0
256	Black Phosphorus Degradation during Intercalation and Alloying in Batteries. <i>ACS Nano</i> , 2023, 17, 6220-6233.	7.3	6
257	Zincophobic Electrolyte Achieves Highly Reversible Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	37
258	Decorating Phosphorus Anode with SnO ₂ Nanoparticles To Enhance Polyphosphides Chemisorption for High-Performance Lithium-Ion Batteries. <i>Nano Letters</i> , 2023, 23, 3507-3515.	4.5	5
259	Vapor-phase derived ultra-fine Bismuth nanoparticles embedded in carbon nanotube networks as anodes for sodium and potassium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2023, 643, 409-419.	5.0	6
260	Flexible Co ₉ S ₈ Carbon Nanofibers Architecture for Lithium-Ion Batteries: A Comprehensive Study of the Nature of Lithium Storage. , 2023, 5, 1488-1496.		8
261	Open-ended exploration of ultrashort pulse lasers: an innovative design strategy for devices based on 2D materials. <i>Photonics Research</i> , 2023, 11, 1238.	3.4	3
262	Double Perovskite La ₂ MnNiO ₆ as a High-Performance Anode for Lithium-Ion Batteries. <i>Advanced Science</i> , 2023, 10, .	5.6	4
280	Renaissance of elemental phosphorus materials: properties, synthesis, and applications in sustainable energy and environment. <i>Chemical Society Reviews</i> , 2023, 52, 5388-5484.	18.7	9
323	Advanced cellulose-based materials toward stabilizing zinc anodes. <i>Science China Chemistry</i> , 0, , .	4.2	0