

Potassium-ion batteries: outlook on present and future

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of morphology-improved single-crystalline iron silicide nanowires with enhanced physical characteristics. <i>CrystEngComm</i> , 2021, 23, 3270-3275.	1.3	7
2	A vanadium-based oxide-phosphate-pyrophosphate framework as a 4 V electrode material for K-ion batteries. <i>Chemical Science</i> , 2021, 12, 12383-12390.	3.7	10
3	Hollow sphere structured $\text{Co}_3\text{V}_2\text{O}_8$ as a half-conversion anode material with ultra-high pseudocapacitance effect for potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21995-22001.	5.2	7
4	17% efficiency all-small-molecule organic solar cells enabled by nanoscale phase separation with a hierarchical branched structure. <i>Energy and Environmental Science</i> , 2021, 14, 5903-5910.	15.6	116
5	Boosting Efficient K-Ion Storage of Sb_2S_3 -Based Conversion-Alloying Dual Mechanism Anode via Synergistic Effect of Physical Protection and Chemical Bonding. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6	Preparation and Characterization of a Composite Phase-Change Material with Silicone Rubber Foam as Carrier. <i>Energy & Fuels</i> , 2021, 35, 9683-9691.	2.5	8
7	Biodegradable Polyurethane Solid-Solid Phase Change Materials. <i>ChemistrySelect</i> , 2021, 6, 6280-6285.	0.7	7
8	Modified Melamine Foam-Based Flexible Phase Change Composites: Enhanced Photothermal Conversion and Shape Memory Properties. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3321-3333.	2.0	24
9	Anchoring Carbon-Coated CoSe Nanoparticles on Hollow Carbon Nanocapsules for Efficient Potassium Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 6356-6363.	2.5	11
10	Perspective on Carbon Anode Materials for K^+ Storage: Balancing the Intercalation-Controlled and Surface-Driven Behavior. <i>Advanced Energy Materials</i> , 2021, 11, 2100856.	10.2	60
11	Harmonized edge/graphitic-nitrogen doped carbon nanopolyhedron@nanosheet composite via salt-confined strategy for advanced K^+ ion hybrid capacitors. <i>Informa Mater</i> , 2021, 3, 891-903.	8.5	18
12	Recent Developments of Antimony-Based Anodes for Sodium- and Potassium-Ion Batteries. <i>Transactions of Tianjin University</i> , 2022, 28, 6-32.	3.3	14
13	Shape-stabilized and antibacterial composite phase change materials based on wood-based cellulose micro-framework, erythritol-urea or erythritol-thiourea for thermal energy storage. <i>Solar Energy</i> , 2021, 223, 19-32.	2.9	17
14	High internal phase emulsion templated-polystyrene/carbon nano fiber/hexadecanol composites phase change materials for thermal management applications. <i>Journal of Energy Storage</i> , 2021, 39, 102674.	3.9	21
15	Realizing Fast Diffusion Kinetics Based on Three-Dimensional Ordered Macroporous Cu_9S_5 @C for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36982-36991.	4.0	27
16	Structural Evaluation of Coal-Tar-Pitch-Based Carbon Materials and Their Na^+ Storage Properties. <i>Coatings</i> , 2021, 11, 948.	1.2	9
17	Large-scale synthesis of few-layered copper antimony sulfide nanosheets as electrode materials for high-rate potassium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 984-994.	5.0	17
18	Bright Red-Emitting $\text{Ca}_3\text{LuAl}_3\text{B}_4\text{O}_{15}$: Ce^{3+} , Sm^{3+} Phosphors with High Thermal Stability for Elevating the Color Rendering of Near-Ultraviolet-Based White-Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4218-4227.	2.0	9

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20	Balsa wood derived three-dimensional hierarchical porous carbon materials as an anode material for K-ion batteries. <i>Ionics</i> , 2021, 27, 5197-5206.	1.2	3
21	In situ formed robust submicron-sized nanocrystalline aggregates enable highly-reversible potassium ion storage. <i>Nano Energy</i> , 2021, 88, 106233.	8.2	16
22	Development and characterization of NaCl-KCl/Kaolin composites for thermal energy storage. <i>Solar Energy</i> , 2021, 227, 468-476.	2.9	23
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25	Synergistical coupling Janus SnS-Fe _{1-x} S heterostructure cell and polydopamine-derived S doped carbon as high-rate anodes for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 425, 130534.	6.6	32
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27	Molten-salt synthesis of crystalline C ₃ N ₄ /C nanosheet with high sodium storage capability. <i>Chemical Engineering Journal</i> , 2021, 425, 131591.	6.6	20
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32	Manganese phosphoxide/Ni ₅ P ₄ hybrids as an anode material for high energy density and rate potassium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13936-13949.	5.2	5
33	Porous polyimide framework based on perylene and triazine for reversible potassium-ion storage. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7184-7190.	3.2	12
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41	Application of expanded graphite-based materials for rechargeable batteries beyond lithium-ions. <i>Nanoscale</i> , 2021, 13, 19291-19305.	2.8	29
42	Bi ₂ S ₃ nanorods encapsulated in iodine-doped graphene frameworks with enhanced potassium storage properties. <i>Chinese Chemical Letters</i> , 2022, 33, 3212-3216.	4.8	15
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56	Neutron imaging of lithium batteries. <i>Joule</i> , 2022, 6, 35-52.	11.7	29
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61	Design of Flexible Films Based on Kinked Carbon Nanofibers for High Rate and Stable Potassium-Ion Storage. <i>Nano-Micro Letters</i> , 2022, 14, 47.	14.4	41
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106	Ultra-high N-doped open hollow carbon nano-cage with excellent Na ⁺ and K ⁺ storage performances. <i>Materials Today Nano</i> , 2022, 18, 100217.	2.3	5
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122	Weak Cation-Solvent Interactions in Ether-Based Electrolytes Stabilizing Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	43
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