

Towards K⁺ and Na⁺ Ion Batteries as “Beyond

Chemical Record

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Tin Oxides as a Negative Electrode Material for Potassium-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 6865-6870.	2.5	45
2	Electrochemical Alloying of Lead in Potassium-Ion Batteries. ACS Omega, 2018, 3, 12195-12200.	1.6	31
4	CNT Interwoven Nitrogen and Oxygen Dual-Doped Porous Carbon Nanosheets as Free-Standing Electrodes for High-Performance Na-Se and K-Se Flexible Batteries. Advanced Materials, 2018, 30, e1805234.	11.1	132
5	Cathode Materials for Potassium-Ion Batteries: Current Status and Perspective. Electrochemical Energy Reviews, 2018, 1, 625-658.	13.1	201
6	Na-Rich Prussian White Cathodes for Long-Life Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 16121-16129.	3.2	63
7	Potassium-ion Intercalation Mechanism in Layered Na ₂ Mn ₃ O ₇ . ACS Applied Energy Materials, 0, , .	2.5	5
8	Rechargeable potassium-ion batteries with honeycomb-layered tellurates as high voltage cathodes and fast potassium-ion conductors. Nature Communications, 2018, 9, 3823.	5.8	190
9	Hard carbons issued from date palm as efficient anode materials for sodium-ion batteries. Carbon, 2018, 137, 165-173.	5.4	100
10	K ₃ Sb ₄ O ₁₀ (BO ₃): A solid state K-ion conductor. Solid State Ionics, 2018, 324, 260-266.	1.3	19
11	Synthesis and Electrochemical Performance of C-Base-Centered Lepidocrocite-like Titanates for Na-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 3630-3635.	2.5	12
12	Review of electrical energy storage technologies, materials and systems: challenges and prospects for large-scale grid storage. Energy and Environmental Science, 2018, 11, 2696-2767.	15.6	1,467
13	Phosphorus Particles Embedded in Reduced Graphene Oxide Matrix to Enhance Capacity and Rate Capability for Capacitive Potassium-Ion Storage. Chemistry - A European Journal, 2018, 24, 13897-13902.	1.7	47
14	Highly concentrated electrolyte solutions for 4 V class potassium-ion batteries. Chemical Communications, 2018, 54, 8387-8390.	2.2	159
15	Progress of metal-phosphide electrodes for advanced sodium-ion batteries. Functional Materials Letters, 2018, 11, 1830001.	0.7	22
16	Synthesizing higher-capacity hard-carbons from cellulose for Na- and K-ion batteries. Journal of Materials Chemistry A, 2018, 6, 16844-16848.	5.2	131
17	Electrochemistry and Solid-State Chemistry of NaMeO ₂ (Me = 3d Transition Metals). Advanced Energy Materials, 2018, 8, 1703415.	10.2	255
18	Development of covalent-bonded organic/carbon anode for sodium-ion battery. Journal of Mechanical Science and Technology, 2019, 33, 3865-3870.	0.7	7
19	Carbon Anodes for Nonaqueous Alkali Metal-Ion Batteries and Their Thermal Safety Aspects. Advanced Energy Materials, 2019, 9, 1900550.	10.2	115

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20	Effect of Concentrated Diglyme-Based Electrolytes on the Electrochemical Performance of Potassium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 6051-6059.	2.5	44
21	Intercalation chemistry of graphite: alkali metal ions and beyond. <i>Chemical Society Reviews</i> , 2019, 48, 4655-4687.	18.7	534
22	Double-walled carbon nanotubes, a performing additive to enhance capacity retention of antimony anode in potassium-ion batteries. <i>Electrochemistry Communications</i> , 2019, 105, 106493.	2.3	21
23	Layered Sodium Manganese Oxide Na ₂ Mn ₃ O ₇ as an Insertion Host for Aqueous Zinc-ion Batteries. <i>MRS Advances</i> , 2019, 4, 2651-2657.	0.5	12
24	Understanding intercalation compounds for sodium-ion batteries and beyond. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190020.	1.6	33
25	Sodium and Potassium Hydrate Melts Containing Asymmetric Imide Anions for High Voltage Aqueous Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14202-14207.	7.2	81
26	Sodium and Potassium Hydrate Melts Containing Asymmetric Imide Anions for High Voltage Aqueous Batteries. <i>Angewandte Chemie</i> , 2019, 131, 14340-14345.	1.6	18
27	Recent advances in understanding dendrite growth on alkali metal anodes. <i>EnergyChem</i> , 2019, 1, 100003.	10.1	146
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29	A Layered Inorganic-Organic Open Framework Material as a 4 V Positive Electrode with High Rate Performance for K-ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1902528.	10.2	37
30	Mosaic Red Phosphorus/MoS ₂ Hybrid as an Anode to Boost Potassium-ion Storage. <i>ChemElectroChem</i> , 2019, 6, 4689-4695.	1.7	15
31	High Potassium Storage Capability of H ₂ V ₃ O ₈ in a Non-Aqueous Electrolyte. <i>ChemistrySelect</i> , 2019, 4, 11711-11717.	0.7	11
32	Artificially coated NaFePO ₄ for aqueous rechargeable sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 784, 720-726.	2.8	35
33	KFeO ₂ with corner-shared FeO ₄ frameworks as a new type of cathode material in potassium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 3135-3143.	1.2	19
34	Systematic Study on Materials for Lithium-, Sodium-, and Potassium-Ion Batteries. <i>Electrochemistry</i> , 2019, 87, 312-320.	0.6	11
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36	Metal-Organic Framework-Derived Co ₃ O ₄ @MWCNTs Polyhedron as Cathode Material for a High-Performance Aluminum-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16200-16208.	3.2	55
37	Utilizing an autogenously protective atmosphere to synthesize a Prussian white cathode with ultrahigh capacity-retention for potassium-ion batteries. <i>Chemical Communications</i> , 2019, 55, 12555-12558.	2.2	24

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38	Salt-concentrated electrolytes for graphite anode in potassium ion battery. <i>Solid State Ionics</i> , 2019, 341, 115050.	1.3	33
39	Controllable nitrogen-doping of nanoporous carbons enabled by coordination frameworks. <i>Journal of Materials Chemistry A</i> , 2019, 7, 647-656.	5.2	43
40	Bismuth nanospheres embedded in three-dimensional (3D) porous graphene frameworks as high performance anodes for sodium- and potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4913-4921.	5.2	160
41	Prototype System of Rocking-Chair Zn-Ion Battery Adopting Zinc Chevrel Phase Anode and Rhombohedral Zinc Hexacyanoferrate Cathode. <i>Batteries</i> , 2019, 5, 3.	2.1	56
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44	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge. , 2019, 1, 217-229.		135
45	Commercialization of Lithium Battery Technologies for Electric Vehicles. <i>Advanced Energy Materials</i> , 2019, 9, 1900161.	10.2	865
46	SnSb vs. Sn : improving the performance of Sn-based anodes for K-ion batteries by synergetic alloying with Sb. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15262-15270.	5.2	50
47	Influence of KPF_6 and KFSI on the Performance of Anode Materials for Potassium-Ion Batteries: A Case Study of MoS_2 . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22449-22456.	4.0	97
48	Ultrafine Co_2P nanorods wrapped by graphene enable a long cycle life performance for a hybrid potassium-ion capacitor. <i>Nanoscale Horizons</i> , 2019, 4, 1394-1401.	4.1	96
49	A nanosized SnSb alloy confined in N-doped 3D porous carbon coupled with ether-based electrolytes toward high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14309-14318.	5.2	157
50	Optimizing Micrometer-Sized Sn Powder Composite Electrodes for Sodium-Ion Batteries. <i>Electrochemistry</i> , 2019, 87, 70-77.	0.6	4
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57	Potassium Metal as Reliable Reference Electrodes of Nonaqueous Potassium Cells. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3296-3300.	2.1	93
58	Electron microscopy and its role in advanced lithium-ion battery research. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1623-1646.	2.5	25
59	Multivalent metal ion hybrid capacitors: a review with a focus on zinc-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13810-13832.	5.2	312
60	Morphological adaptability of graphitic carbon nanofibers to enhance sodium insertion in a diglyme-based electrolyte. <i>Dalton Transactions</i> , 2019, 48, 5417-5424.	1.6	8
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66	Potassium Ordering and Structural Phase Stability in Layered K _x CoO ₂ . <i>ACS Applied Energy Materials</i> , 2019, 2, 2629-2636.	2.5	29
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107	Hard carbons for sodium-ion batteries and beyond. <i>Progress in Energy</i> , 2020, 2, 042002.	4.6	130
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111	Corn-based Electrochemical Energy Storage Devices. <i>Chemical Record</i> , 2020, 20, 1163-1180.	2.9	32
113	Model-Based Design of Graphite-Compatible Electrolytes in Potassium-Ion Batteries. <i>ACS Energy Letters</i> , 2020, 5, 2651-2661.	8.8	88
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141	A Stable Conversion and Alloying Anode for Potassium-Ion Batteries: A Combined Strategy of Encapsulation and Confinement. <i>Advanced Functional Materials</i> , 2020, 30, 2001588.	7.8	104
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