Yu-Liang Cao

List of Publications by Year in descending order

252 papers	28,759 citations	4370 86 h-index	5806 161 g-index
258 all docs	258 docs citations	258 times ranked	17624 citing authors

#	Article	IF	Citations
1	Boosting rate and cycling performance of K-doped Na3V2(PO4)2F3 cathode for high-energy-density sodium-ion batteries. Green Energy and Environment, 2022, 7, 1253-1262.	4.7	27
2	A novel Fe-defect induced pure-phase Na4Fe2.91(PO4)2P2O7 cathode material with high capacity and ultra-long lifetime for low-cost sodium-ion batteries. Nano Energy, 2022, 91, 106680.	8.2	67
3	Template-directed synthesis of Co2P/MoSe2 in a N-doped carbon hollow structure for efficient and stable sodium/potassium ion storage. Nano Energy, 2022, 93, 106897.	8.2	68
4	A Solidâ€Phase Conversion Sulfur Cathode with Full Capacity Utilization and Superior Cycle Stability for Lithiumâ€Sulfur Batteries. Small, 2022, 18, e2106144.	5.2	16
5	A Novel Dendriteâ€Free Lithium Metal Anode via Oxygen and Boron Codoped Honeycomb Carbon Skeleton. Small, 2022, 18, e2104876.	5.2	21
6	Toward wideâ€temperature electrolyte for lithiumâ€“ion batteries. , 2022, 1, .		32
7	Effect of Eliminating Water in Prussian Blue Cathode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	66
8	A Novel Dendriteâ€Free Lithium Metal Anode via Oxygen and Boron Codoped Honeycomb Carbon Skeleton (Small 11/2022). Small, 2022, 18, .	5.2	1
9	Na_{0.91}MnO₂ with an Extended Layer Structure and Excellent Pseudocapacitive Behavior as a Cathode Material for Sodium-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 4505-4512.	2.5	5
10	Reversible Temperature-Responsive Cathode for Thermal Protection of Lithium-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 5236-5244.	2.5	6
11	Will Vanadiumâ€Based Electrode Materials Become the Future Choice for Metalâ€Ion Batteries?. ChemSusChem, 2022, 15, .	3.6	10
12	All-Climate High-Voltage Commercial Lithium-Ion Batteries Based on Propylene Carbonate Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 574-580.	4.0	24
13	An Overall Understanding of Sodium Storage Behaviors in Hard Carbons by an â€œAdsorptionâ€•Intercalation/Fillingâ€•Hybrid Mechanism. Advanced Energy Materials, 2022, 12, .	10.2	121
14	A Facile and Efficient Chemical Prelithiation of Graphite for Full Capacity Utilization of Liâ€Ion Batteries. Energy Technology, 2022, 10, .	1.8	3
15	Understanding of the sodium storage mechanism in hard carbon anodes. , 2022, 4, 1133-1150.		83
16	Organic-conjugated polyanthraquinonylimide cathodes for rechargeable magnesium batteries. Journal of Materials Chemistry A, 2022, 10, 14111-14120.	5.2	15
17	A stable "rocking-chair" zinc-ion battery boosted by low-strain Zn3V4(PO4)6 cathode. Nano Energy, 2022, 100, 107520.	8.2	24
18	An advanced low-cost cathode composed of graphene-coated Na2.4Fe1.8(SO4)3 nanograins in a 3D graphene network for ultra-stable sodium storage. Journal of Energy Chemistry, 2021, 54, 564-570.	7.1	15

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19	Research progress of tunnel-structural Na0.44MnO2 cathode for sodium-ion batteries: A mini review. Electrochemistry Communications, 2021, 122, 106897.	2.3	26
20	Monoclinic Î±â€NaVOPO 4 as cathode materials for sodiumâ€ions batteries: Experimental and DFT investigation. International Journal of Energy Research, 2021, 45, 1703-1719.	2.2	11
21	A controllable thermal-sensitivity separator with an organicâ€“inorganic hybrid interlayer for high-safety lithium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 2313-2319.	3.2	10
22	Enabling stable and high-rate cycling of a Ni-rich layered oxide cathode for lithium-ion batteries by modification with an artificial Li⁺-conducting cathode-electrolyte interphase. Journal of Materials Chemistry A, 2021, 9, 11623-11631.	5.2	33
23	The Underlying Mechanism for Reduction Stability of Organic Electrolytes in Lithium Secondary Batteries. Chemical Science, 2021, 12, 9037-9041.	3.7	22
24	Tunable Electrocatalytic Behavior of Sodiated MoS₂ Active Sites toward Efficient Sulfur Redox Reactions in Roomâ€Temperature Naâ€“S Batteries. Advanced Materials, 2021, 33, e2100229.	11.1	66
25	Improved Initial Charging Capacity of Na-poor Na0.44MnO2 via Chemical Presodiation Strategy for Low-cost Sodium-ion Batteries. Chemical Research in Chinese Universities, 2021, 37, 274-279.	1.3	9
26	Ethylene Carbonateâ€Free Propylene Carbonateâ€Based Electrolytes with Excellent Electrochemical Compatibility for Liâ€Ion Batteries through Engineering Electrolyte Solvation Structure. Advanced Energy Materials, 2021, 11, 2003905.	10.2	68
27	Electrochemical Insight into the Sodium-Ion Storage Mechanism on a Hard Carbon Anode. ACS Applied Materials & Interfaces, 2021, 13, 18914-18922.	4.0	18
28	Achieving Desirable Initial Coulombic Efficiencies and Full Capacity Utilization of Liâ€Ion Batteries by Chemical Prelithiation of Graphite Anode. Advanced Functional Materials, 2021, 31, 2101181.	7.8	115
29	Design Strategies for Highâ€Voltage Aqueous Batteries. Small Structures, 2021, 2, 2100001.	6.9	54
30	Molten salt synthesis of LiMn 1 . 2 Ni 0 . 3 Cr 0 . 1 Co 0 . 15 Al 0 . 23 La. International Journal of Energy Research, 2021, 45, 15424-15437.	2.2	3
31	In Situ-Formed Artificial Solid Electrolyte Interphase for Boosting the Cycle Stability of Si-Based Anodes for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 22505-22513.	4.0	14
32	A Green and Scalable Synthesis of Na₃Fe₂(PO₄)P₂O₇/rGO Cathode for Highâ€Rate and Longâ€Life Sodiumâ€Ion Batteries. Small Methods, 2021, 5, e2100372.	4.6	39
33	Recent Advances in Conversion-Type Electrode Materials for Post Lithium-Ion Batteries. , 2021, 3, 956-977.		66
34	Atomically dispersed Ni induced by ultrahigh N-doped carbon enables stable sodium storage. CheM, 2021, 7, 2684-2694.	5.8	77
35	Microstructureâ€Dependent Charge/Discharge Behaviors of Hollow Carbon Spheres and its Implication for Sodium Storage Mechanism on Hard Carbon Anodes. Small, 2021, 17, e2102248.	5.2	50
36	A Novel Highly Durable Carbon/Silver/Silver Chloride Composite Electrode for High-Definition Transcranial Direct Current Stimulation. Nanomaterials, 2021, 11, 1962.	1.9	5

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37	Understanding and Calibration of Charge Storage Mechanism in Cyclic Voltammetry Curves. Angewandte Chemie - International Edition, 2021, 60, 21310-21318.	7.2	318
38	Metal/<scp>covalentâ€organic</scp> frameworks for electrochemical energy storage applications. EcoMat, 2021, 3, e12133.	6.8	36
39	Understanding and Calibration of Charge Storage Mechanism in Cyclic Voltammetry Curves. Angewandte Chemie, 2021, 133, 21480-21488.	1.6	55
40	Mixed polyanion cathode materials: Toward stable and high-energy sodium-ion batteries. Journal of Energy Chemistry, 2021, 60, 635-648.	7.1	63
41	Emerging Intercalation Cathode Materials for Multivalent Metalâ€Ion Batteries: Status and Challenges. Small Structures, 2021, 2, 2100082.	6.9	61
42	Amorphous NaVOPO ₄ as a High-Rate and Ultrastable Cathode Material for Sodium-Ion Batteries. CCS Chemistry, 2021, 3, 2428-2436.	4.6	34
43	Designing Advanced Electrolytes for Lithium Secondary Batteries Based on the Coordination Number Rule. ACS Energy Letters, 2021, 6, 4282-4290.	8.8	60
44	A polyethylene microsphere-coated separator with rapid thermal shutdown function for lithium-ion batteries. Journal of Energy Chemistry, 2020, 44, 33-40.	7.1	59
45	Enhanced cycling stability of antimony anode by downsizing particle and combining carbon nanotube for high-performance sodium-ion batteries. Journal of Materials Science and Technology, 2020, 55, 81-88.	5.6	7
46	Facile and reversible digestion and regeneration of zirconium-based metal-organic frameworks. Communications Chemistry, 2020, 3, .	2.0	35
47	A low-defect and Na-enriched Prussian blue lattice with ultralong cycle life for sodium-ion battery cathode. Electrochimica Acta, 2020, 332, 135533.	2.6	67
48	Self-Healing Double-Cross-Linked Supramolecular Binders of a Polyacrylamide-Grafted Soy Protein Isolate for Liâ€“S Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 12799-12808.	3.2	33
49	Novel Sodiumâ€“Poly(tartaric acid)Borate-Based Single-Ion Conducting Polymer Electrolyte for Sodiumâ€“Metal Batteries. ACS Applied Energy Materials, 2020, 3, 10053-10060.	2.5	34
50	Hard carbon anode derived from camellia seed shell with superior cycling performance for sodium-ion batteries. Journal Physics D: Applied Physics, 2020, 53, 414002.	1.3	11
51	Pseudocapacitive Trimetal Fe_{0.8}CoMnO₄ Nanoparticles@Carbon Nanofibers as Highâ€Performance Sodium Storage Anode with Selfâ€Supported Mechanism. Advanced Functional Materials, 2020, 30, 2001718.	7.8	16
52	Building a Thermal Shutdown Cathode for Liâ€Ion Batteries Using Temperatureâ€Responsive Poly(3â€Dodecylthiophene). Energy Technology, 2020, 8, 2000365.	1.8	26
53	Building a Cycle-Stable Feâ€“Si Alloy/Carbon Nanocomposite Anode for Li-Ion Batteries through a Covalent-Bonding Method. ACS Applied Materials & Interfaces, 2020, 12, 30503-30509.	4.0	34
54	Water-Based Dual-Cross-Linked Polymer Binders for High-Energy-Density Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2020, 12, 29316-29323.	4.0	9

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55	Covalently Bonded Silicon/Carbon Nanocomposites as Cycle-Stable Anodes for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 16411-16416.	4.0	55
56	Efficient and Facile Electrochemical Process for the Production of High-Quality Lithium Hexafluorophosphate Electrolyte. ACS Applied Materials & Interfaces, 2020, 12, 32771-32777.	4.0	5
57	Enabling an intrinsically safe and highâ€energyâ€density 4.5 Vâ€class Liâ€ion battery with nonflammable electrolyte. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 984-992.	8.5	81
58	Ultralowâ€Strain Znâ€Substituted Layered Oxide Cathode with Suppressed P2â€“O2 Transition for Stable Sodium Ion Storage. Advanced Functional Materials, 2020, 30, 1910327.	7.8	110
59	Suppressing Voltage Fading of Liâ€Rich Oxide Cathode via Building a Wellâ€Protected and Partiallyâ€Protonated Surface by Polyacrylic Acid Binder for Cycleâ€Stable Liâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 1904264.	10.2	101
60	Enabling electrochemical compatibility of non-flammable phosphate electrolytes for lithium-ion batteries by tuning their molar ratios of salt to solvent. Chemical Communications, 2020, 56, 6559-6562.	2.2	23
61	Surface Modification of Fe₇S₈/C Anode via Ultrathin Amorphous TiO₂ Layer for Enhanced Sodium Storage Performance. Small, 2020, 16, e2000745.	5.2	28
62	A temperature-sensitive poly(3-octylpyrrole)/carbon composite as a conductive matrix of cathodes for building safer Li-ion batteries. Energy Storage Materials, 2019, 17, 275-283.	9.5	42
63	An Al-doped high voltage cathode of Na₄Co₃(PO₄)₂P₂O₇ enabling highly stable 4 V full sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 18940-18949.	5.2	37
64	Engineering Al2O3 atomic layer deposition: Enhanced hard carbon-electrolyte interface towards practical sodium ion batteries. Nano Energy, 2019, 64, 103903.	8.2	105
65	Facile and scalable synthesis of low-cost FeS@C as long-cycle anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 19709-19718.	5.2	86
66	Extended â€œAdsorptionâ€“Insertionâ€•Model: A New Insight into the Sodium Storage Mechanism of Hard Carbons. Advanced Energy Materials, 2019, 9, 1901351.	10.2	284
67	High-Safety Symmetric Sodium-Ion Batteries Based on Nonflammable Phosphate Electrolyte and Double Na₃V₂(PO₄)₃ Electrodes. ACS Applied Materials & Interfaces, 2019, 11, 27833-27838.	4.0	40
68	Zero-strain Na₄Fe₇(PO₄)₆ as a novel cathode material for sodiumâ€“ion batteries. Chemical Communications, 2019, 55, 9043-9046.	2.2	24
69	Developments and Perspectives on Emerging High-Energy-Density Sodium-Metal Batteries. CheM, 2019, 5, 2547-2570.	5.8	110
70	Sodium Storage Mechanism: Extended â€œAdsorptionâ€“Insertionâ€•Model: A New Insight into the Sodium Storage Mechanism of Hard Carbons (Adv. Energy Mater. 32/2019). Advanced Energy Materials, 2019, 9, 1970125.	10.2	4
71	Highly Electrochemicallyâ€Reversible Mesoporous Na₂FePO₄F/C as Cathode Material for Highâ€Performance Sodiumâ€Ion Batteries. Small, 2019, 15, e1903723.	5.2	38
72	A Membrane-Free and Energy-Efficient Three-Step Chlor-Alkali Electrolysis with Higher-Purity NaOH Production. ACS Applied Materials & Interfaces, 2019, 11, 45126-45132.	4.0	14

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73	Highly Selective and Pollutionâ€Free Electrochemical Extraction of Lithium by a Polyaniline/Li_xMn₂O₄ Cell. ChemSusChem, 2019, 12, 1361-1367.	3.6	60
74	Polyaniline hollow nanofibers prepared by controllable sacrifice-template route as high-performance cathode materials for sodium-ion batteries. Electrochimica Acta, 2019, 301, 352-358.	2.6	32
75	Schwefelâ€basierte Elektroden mit Mehrelektronenreaktionen fÃ¼r Raumtemperaturâ€Natriumionenspeicherung. Angewandte Chemie, 2019, 131, 18490-18504.	1.6	9
76	Effective Chemical Prelithiation Strategy for Building a Silicon/Sulfur Li-Ion Battery. ACS Energy Letters, 2019, 4, 1717-1724.	8.8	151
77	Sulfurâ€Based Electrodes that Function via Multielectron Reactions for Roomâ€Temperature Sodiumâ€Ion Storage. Angewandte Chemie - International Edition, 2019, 58, 18324-18337.	7.2	69
78	In Situ Formation of Co₉S₈ Nanoclusters in Sulfur-Doped Carbon Foam as a Sustainable and High-Rate Sodium-Ion Anode. ACS Applied Materials & Interfaces, 2019, 11, 19218-19226.	4.0	51
79	In situ N-doped carbon modified (Co_{0.5}Ni_{0.5})₉S₈ solid-solution hollow spheres as high-capacity anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 8268-8276.	5.2	79
80	Electrolytes for Dualâ€Carbon Batteries. ChemElectroChem, 2019, 6, 2615-2629.	1.7	59
81	High performance TiP2O7 nanoporous microsphere as anode material for aqueous lithium-ion batteries. Science China Chemistry, 2019, 62, 118-125.	4.2	13
82	Na4Fe3(PO4)2P2O7/C nanospheres as low-cost, high-performance cathode material for sodium-ion batteries. Energy Storage Materials, 2019, 22, 330-336.	9.5	111
83	Recent Progress in Rechargeable Sodiumâ€Ion Batteries: toward Highâ€Power Applications. Small, 2019, 15, e1805427.	5.2	254
84	Bridging the academic and industrial metrics for next-generation practical batteries. Nature Nanotechnology, 2019, 14, 200-207.	15.6	420
85	Hollow carbon nanofibers as high-performance anode materials for sodium-ion batteries. Nanoscale, 2019, 11, 21999-22005.	2.8	39
86	Advancing knowledge of electrochemically generated lithium microstructure and performance decay of lithium ion battery by synchrotron X-ray tomography. Materials Today, 2019, 27, 21-32.	8.3	47
87	3D graphene decorated Na4Fe3(PO4)2(P2O7) microspheres as low-cost and high-performance cathode materials for sodium-ion batteries. Nano Energy, 2019, 56, 160-168.	8.2	134
88	TiO₂â€Coated Interlayerâ€Expanded MoSe₂/Phosphorusâ€Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage. Advanced Science, 2019, 6, 1801222.	5.6	80
89	Stable Li Metal Anode with â€œIonâ€“Solvent-Coordinatedâ€•Nonflammable Electrolyte for Safe Li Metal Batteries. ACS Energy Letters, 2019, 4, 483-488.	8.8	148
90	High-Capacity Hard Carbon Pyrolyzed from Subbituminous Coal as Anode for Sodium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 729-735.	2.5	34

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91	Highâ€Performance Flexible Freestanding Anode with Hierarchical 3D Carbonâ€Networks/Fe₇S₈/Graphene for Applicable Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1806664.	11.1	233
92	Sodium Ion Storage: TiO₂â€Coated Interlayerâ€Expanded MoSe₂/Phosphorusâ€Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage (Adv. Sci. 1/2019). Advanced Science, 2019, 6, 1970005.	5.6	1
93	Well-defined Na2Zn3[Fe(CN)6]2 nanocrystals as a low-cost and cycle-stable cathode material for Na-ion batteries. Electrochemistry Communications, 2019, 98, 78-81.	2.3	23
94	An all-vanadium aqueous lithium ion battery with high energy density and long lifespan. Energy Storage Materials, 2019, 18, 92-99.	9.5	44
95	Improved Sodium Storage Performance of Na_{0.44}MnO₂ Cathode at a High Temperature by Al₂O₃ Coating. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 1357-1364.	2.2	12
96	Novel 2D Layered Molybdenum Ditelluride Encapsulated in Fewâ€Layer Graphene as Highâ€Performance Anode for Lithiumâ€Ion Batteries. Small, 2018, 14, e1703680.	5.2	52
97	A Fully Sodiated NaVOPO4 with Layered Structure for High-Voltage and Long-Lifespan Sodium-Ion Batteries. CheM, 2018, 4, 1167-1180.	5.8	140
98	Prussian Blue Cathode Materials for Sodiumâ€Ion Batteries and Other Ion Batteries. Advanced Energy Materials, 2018, 8, 1702619.	10.2	460
99	A high voltage cathode of Na_{2+2x}Fe_{2â^'x}(SO₄)₃intensively protected by nitrogen-doped graphene with improved electrochemical performance of sodium storage. Journal of Materials Chemistry A, 2018, 6, 4354-4364.	5.2	43
100	Recent Progress in Ironâ€Based Electrode Materials for Gridâ€Scale Sodiumâ€Ion Batteries. Small, 2018, 14, 1703116.	5.2	146
101	Lowâ€Defect and Lowâ€Porosity Hard Carbon with High Coulombic Efficiency and High Capacity for Practical Sodium Ion Battery Anode. Advanced Energy Materials, 2018, 8, 1703238.	10.2	414
102	Symmetric Sodium-Ion Capacitor Based on Na_{0.44}MnO₂ Nanorods for Low-Cost and High-Performance Energy Storage. ACS Applied Materials & Interfaces, 2018, 10, 11689-11698.	4.0	62
103	Suppression of Dendritic Lithium Growth by in Situ Formation of a Chemically Stable and Mechanically Strong Solid Electrolyte Interphase. ACS Applied Materials & Interfaces, 2018, 10, 593-601.	4.0	116
104	Ultrathin phyllosilicate nanosheets as anode materials with superior rate performance for lithium ion batteries. Journal of Materials Chemistry A, 2018, 6, 1397-1402.	5.2	22
105	Building a cycle-stable sulphur cathode by tailoring its redox reaction into a solid-phase conversion mechanism. Journal of Materials Chemistry A, 2018, 6, 23396-23407.	5.2	52
106	A Bifunctional Fluorophosphate Electrolyte for Safer Sodium-Ion Batteries. IScience, 2018, 10, 114-122.	1.9	43
107	Template synthesis of mesoporous Li2MnSiO4@C composite with improved lithium storage properties. Electrochimica Acta, 2018, 291, 124-131.	2.6	12
108	Understanding the Electrochemical Compatibility and Reaction Mechanism on Na Metal and Hard Carbon Anodes of PC-Based Electrolytes for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 39651-39660.	4.0	40

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109	Magnesio-mechanochemical reduced SiO for high-performance lithium ion batteries. Journal of Power Sources, 2018, 407, 112-122.	4.0	36
110	A Nonflammable Na⁺â€Based Dualâ€Carbon Battery with Lowâ€Cost, High Voltage, and Long Cycle Life. Advanced Energy Materials, 2018, 8, 1802176.	10.2	90
111	High Capacity and Cycle-Stable Hard Carbon Anode for Nonflammable Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 38141-38150.	4.0	51
112	Novel Alkaline Zn/Na_{0.44}MnO₂ Dual-Ion Battery with a High Capacity and Long Cycle Lifespan. ACS Applied Materials & Interfaces, 2018, 10, 34108-34115.	4.0	50
113	Exploring Sodiumâ€Ion Storage Mechanism in Hard Carbons with Different Microstructure Prepared by Ballâ€Milling Method. Small, 2018, 14, e1802694.	5.2	127
114	A solar rechargeable battery based on the sodium ion storage mechanism with Fe₂(MoO₄)₃ microspheres as anode materials. Journal of Materials Chemistry A, 2018, 6, 10627-10631.	5.2	21
115	Non-flammable electrolytes with high salt-to-solvent ratios for Li-ion and Li-metal batteries. Nature Energy, 2018, 3, 674-681.	19.8	557
116	Electrochromic Metal Oxides: Recent Progress and Prospect. Advanced Electronic Materials, 2018, 4, 1800185.	2.6	195
117	AlF₃-Modified carbon nanofibers as a multifunctional 3D interlayer for stable lithium metal anodes. Chemical Communications, 2018, 54, 8347-8350.	2.2	28
118	Transition metal oxides based on conversion reaction for sodium-ion battery anodes. Materials Today Chemistry, 2018, 9, 114-132.	1.7	44
119	Recent Advances in Sodium-Ion Battery Materials. Electrochemical Energy Reviews, 2018, 1, 294-323.	13.1	224
120	Sodiumâ€Ion Batteries: Prussian Blue Cathode Materials for Sodiumâ€Ion Batteries and Other Ion Batteries (Adv. Energy Mater. 17/2018). Advanced Energy Materials, 2018, 8, 1870079.	10.2	32
121	Phosphate Framework Electrode Materials for Sodium Ion Batteries. Advanced Science, 2017, 4, 1600392.	5.6	275
122	High Rate, Long Lifespan LiV₃O₈ Nanorods as a Cathode Material for Lithiumâ€Ion Batteries. Small, 2017, 13, 1603148.	5.2	57
123	Graphene-Scaffolded Na₃V₂(PO₄)₃ Microsphere Cathode with High Rate Capability and Cycling Stability for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 7177-7184.	4.0	156
124	Manipulating Adsorptionâ€“Insertion Mechanisms in Nanostructured Carbon Materials for Highâ€Efficiency Sodium Ion Storage. Advanced Energy Materials, 2017, 7, 1700403.	10.2	662
125	Amorphous CoS nanoparticle/reduced graphene oxide composite as high-performance anode material for sodium-ion batteries. Ceramics International, 2017, 43, 9630-9635.	2.3	37
126	Recent Developments in Cathode Materials for Na Ion Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 211-241.	2.2	46

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127	Fe 2 O 3 amorphous nanoparticles/graphene composite as high-performance anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 711, 15-21.	2.8	39
128	Coaxial Three-Layered Carbon/Sulfur/Polymer Nanofibers with High Sulfur Content and High Utilization for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 11626-11633.	4.0	29
129	Yolkâ€“Shell TiO₂@C Nanocomposite as High-Performance Anode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 345-353.	4.0	69
130	A novel bifunctional thermo-sensitive poly(lactic acid)@poly(butylene succinate) coreâ€“shell fibrous separator prepared by a coaxial electrospinning route for safe lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 23238-23242.	5.2	70
131	Novel Ceramic-Grafted Separator with Highly Thermal Stability for Safe Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 25970-25975.	4.0	100
132	An All-Phosphate and Zero-Strain Sodium-Ion Battery Based on Na₃V₂(PO₄)₃ Cathode, NaTi₂(PO₄)₃ Anode, and Trimethyl Phosphate Electrolyte with Intrinsic Safety and Long Lifespan. ACS Applied Materials & Interfaces, 2017, 9, 43733-43738.	4.0	36
133	Surface-engineering enhanced sodium storage performance of Na3V2(PO4)3 cathode via in-situ self-decorated conducting polymer route. Science China Chemistry, 2017, 60, 1546-1553.	4.2	24
134	A green route to synthesize low-cost and high-performance hard carbon as promising sodium-ion battery anodes from sorghum stalk waste. Green Energy and Environment, 2017, 2, 310-315.	4.7	63
135	Discussion on the mechanism of sodium storage of different structural types of carbon material. Scientia Sinica Chimica, 2017, 47, 573-578.	0.2	4
136	Routes to High Energy Cathodes of Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1501727.	10.2	408
137	3D Graphene Decorated NaTi₂(PO₄)₃ Microspheres as a Superior Highâ€Rate and Ultracycleâ€Stable Anode Material for Sodium Ion Batteries. Advanced Energy Materials, 2016, 6, 1502197.	10.2	251
138	Understanding Voltage Decay in Lithium-Rich Manganese-Based Layered Cathode Materials by Limiting Cutoff Voltage. ACS Applied Materials & Interfaces, 2016, 8, 18867-18877.	4.0	43
139	Perylenediimide dyes as a cheap and sustainable cathode for lithium ion batteries. Materials Letters, 2016, 175, 191-194.	1.3	33
140	A Safer Sodiumâ€Ion Battery Based on Nonflammable Organic Phosphate Electrolyte. Advanced Science, 2016, 3, 1600066.	5.6	116
141	SnO2-Reduced Graphene Oxide Nanocomposites via Microwave Route as Anode for Sodium-Ion Battery. Jom, 2016, 68, 2607-2612.	0.9	9
142	Low Defect FeFe(CN)₆ Framework as Stable Host Material for High Performance Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 23706-23712.	4.0	115
143	Hard Carbon Fibers Pyrolyzed from Wool as High-Performance Anode for Sodium-Ion Batteries. Jom, 2016, 68, 2579-2584.	0.9	26
144	A solar storable fuel cell with efficient photo-degradation of organic waste for direct electricity generation. Energy Storage Materials, 2016, 5, 165-170.	9.5	10

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145	Dual Coreâ€“Shell Structured Si@SiO_x@C Nanocomposite Synthesized via a One-Step Pyrolysis Method as a Highly Stable Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 31611-31616.	4.0	88
146	Effect of Li1/3Mn2/3-Substitution on Electrochemical Performance of P2-Na0.74CoO2 Cathode for Sodium-ion Batteries. Electrochimica Acta, 2016, 222, 862-866.	2.6	6
147	Electrospun TiO₂/C Nanofibers As a High-Capacity and Cycle-Stable Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 16684-16689.	4.0	121
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