

Yu-Liang Cao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

247
papers

21,718
citations

76
h-index

143
g-index

258
ext. papers

24,936
ext. citations

10.7
avg, IF

7.17
L-index

#	Paper	IF	Citations
247	A Solid-Phase Conversion Sulfur Cathode with Full Capacity Utilization and Superior Cycle Stability for Lithium-Sulfur Batteries.. <i>Small</i> , 2022 , e2106144	11	2
246	A Novel Dendrite-Free Lithium Metal Anode via Oxygen and Boron Codoped Honeycomb Carbon Skeleton.. <i>Small</i> , 2022 , e2104876	11	3
245	Template-directed synthesis of Co ₂ P/MoSe ₂ in a N-doped carbon hollow structure for efficient and stable sodium/potassium ion storage. <i>Nano Energy</i> , 2022 , 93, 106897	17.1	12
244	A Novel Dendrite-Free Lithium Metal Anode via Oxygen and Boron Codoped Honeycomb Carbon Skeleton (Small 11/2022). <i>Small</i> , 2022 , 18, 2270055	11	0
243	A Novel Fe-defect Induced Pure-phase Na ₄ Fe _{2.91} (PO ₄) ₂ P ₂ O ₇ Cathode Material with High Capacity and Ultra-long Lifetime for Low-cost Sodium-ion Batteries. <i>Nano Energy</i> , 2021 , 91, 106680	17.1	10
242	Improved Initial Charging Capacity of Na-poor Na _{0.44} MnO ₂ via Chemical Presodiation Strategy for Low-cost Sodium-ion Batteries. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 274-279	2.2	3
241	Ethylene Carbonate-Free Propylene Carbonate-Based Electrolytes with Excellent Electrochemical Compatibility for Li-Ion Batteries through Engineering Electrolyte Solvation Structure. <i>Advanced Energy Materials</i> , 2021 , 11, 2003905	21.8	19
240	Electrochemical Insight into the Sodium-Ion Storage Mechanism on a Hard Carbon Anode. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18914-18922	9.5	6
239	Achieving Desirable Initial Coulombic Efficiencies and Full Capacity Utilization of Li-Ion Batteries by Chemical Prelithiation of Graphite Anode. <i>Advanced Functional Materials</i> , 2021 , 31, 2101181	15.6	23
238	Design Strategies for High-Voltage Aqueous Batteries. <i>Small Structures</i> , 2021 , 2, 2100001	8.7	19
237	Molten salt synthesis of LiMn _{1.2} Ni _{0.3} Cr _{0.1} Co _{0.15} Al _{0.23} La _{0.02} O ₄ as a positive electrode for lithium-ion batteries. <i>International Journal of Energy Research</i> , 2021 , 45, 15424-15437	4.5	1
236	-Formed Artificial Solid Electrolyte Interphase for Boosting the Cycle Stability of Si-Based Anodes for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22505-22513	9.5	6
235	A Green and Scalable Synthesis of Na Fe (PO)P O /rGO Cathode for High-Rate and Long-Life Sodium-Ion Batteries.. <i>Small Methods</i> , 2021 , 5, e2100372	12.8	9
234	Recent Advances in Conversion-Type Electrode Materials for Post Lithium-Ion Batteries 2021 , 3, 956-977		17
233	An advanced low-cost cathode composed of graphene-coated Na _{2.4} Fe _{1.8} (SO ₄) ₃ nanograins in a 3D graphene network for ultra-stable sodium storage. <i>Journal of Energy Chemistry</i> , 2021 , 54, 564-570	12	5
232	Research progress of tunnel-structural Na _{0.44} MnO ₂ cathode for sodium-ion batteries: A mini review. <i>Electrochemistry Communications</i> , 2021 , 122, 106897	5.1	6
231	Monoclinic NaVOPO ₄ as cathode materials for sodium-ions batteries: Experimental and DFT investigation. <i>International Journal of Energy Research</i> , 2021 , 45, 1703-1719	4.5	2

230	A controllable thermal-sensitivity separator with an organic/inorganic hybrid interlayer for high-safety lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2313-2319	7.8	3
229	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. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11623-11631	13	5
228	The underlying mechanism for reduction stability of organic electrolytes in lithium secondary batteries. <i>Chemical Science</i> , 2021 , 12, 9037-9041	9.4	5
227	Boosting rate and cycling performance of K-doped Na ₃ V ₂ (PO ₄) ₂ F ₃ cathode for high-energy-density sodium-ion batteries. <i>Green Energy and Environment</i> , 2021 ,	5.7	7
226	Tunable Electrocatalytic Behavior of Sodiated MoS Active Sites toward Efficient Sulfur Redox Reactions in Room-Temperature Na-S Batteries. <i>Advanced Materials</i> , 2021 , 33, e2100229	24	23
225	Atomically dispersed Ni induced by ultrahigh N-doped carbon enables stable sodium storage. <i>Chem</i> , 2021 ,	16.2	19
224	Microstructure-Dependent Charge/Discharge Behaviors of Hollow Carbon Spheres and its Implication for Sodium Storage Mechanism on Hard Carbon Anodes. <i>Small</i> , 2021 , 17, e2102248	11	9
223	Understanding and Calibration of Charge Storage Mechanism in Cyclic Voltammetry Curves. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21310-21318	16.4	55
222	Metal/covalent-organic frameworks for electrochemical energy storage applications. <i>EcoMat</i> , 2021 , 3, e12133	9.4	8
221	Understanding and Calibration of Charge Storage Mechanism in Cyclic Voltammetry Curves. <i>Angewandte Chemie</i> , 2021 , 133, 21480-21488	3.6	13
220	Mixed polyanion cathode materials: Toward stable and high-energy sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 60, 635-648	12	16
219	All-Climate High-Voltage Commercial Lithium-Ion Batteries Based on Propylene Carbonate Electrolytes.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	5
218	Hard carbon anode derived from camellia seed shell with superior cycling performance for sodium-ion batteries. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 414002	3	6
217	Pseudocapacitive Trimetal Fe _{0.8} CoMnO ₄ Nanoparticles@Carbon Nanofibers as High-Performance Sodium Storage Anode with Self-Supported Mechanism. <i>Advanced Functional Materials</i> , 2020 , 30, 2001718	15.6	10
216	Building a Thermal Shutdown Cathode for Li-Ion Batteries Using Temperature-Responsive Poly(3-Dodecylthiophene). <i>Energy Technology</i> , 2020 , 8, 2000365	3.5	11
215	Building a Cycle-Stable Fe-Si Alloy/Carbon Nanocomposite Anode for Li-Ion Batteries through a Covalent-Bonding Method. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30503-30509	9.5	14
214	Water-Based Dual-Cross-Linked Polymer Binders for High-Energy-Density Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29316-29323	9.5	3
213	Covalently Bonded Silicon/Carbon Nanocomposites as Cycle-Stable Anodes for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16411-16416	9.5	33

212	Efficient and Facile Electrochemical Process for the Production of High-Quality Lithium Hexafluorophosphate Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32771-32777	9.5	1
211	Enabling an intrinsically safe and high-energy-density 4.5 V-class Li-ion battery with nonflammable electrolyte. <i>Information Materials</i> , 2020 , 2, 984-992	23.1	54
210	Ultralow-Strain Zn-Substituted Layered Oxide Cathode with Suppressed P2D2 Transition for Stable Sodium Ion Storage. <i>Advanced Functional Materials</i> , 2020 , 30, 1910327	15.6	54
209	Suppressing Voltage Fading of Li-Rich Oxide Cathode via Building a Well-Protected and Partially-Protonated Surface by Polyacrylic Acid Binder for Cycle-Stable Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1904264	21.8	50
208	Enabling electrochemical compatibility of non-flammable phosphate electrolytes for lithium-ion batteries by tuning their molar ratios of salt to solvent. <i>Chemical Communications</i> , 2020 , 56, 6559-6562	5.8	12
207	Surface Modification of Fe S /C Anode via Ultrathin Amorphous TiO Layer for Enhanced Sodium Storage Performance. <i>Small</i> , 2020 , 16, e2000745	11	10
206	Enhanced cycling stability of antimony anode by downsizing particle and combining carbon nanotube for high-performance sodium-ion batteries. <i>Journal of Materials Science and Technology</i> , 2020 , 55, 81-88	9.1	5
205	Facile and reversible digestion and regeneration of zirconium-based metal-organic frameworks. <i>Communications Chemistry</i> , 2020 , 3,	6.3	11
204	A low-defect and Na-enriched Prussian blue lattice with ultralong cycle life for sodium-ion battery cathode. <i>Electrochimica Acta</i> , 2020 , 332, 135533	6.7	31
203	Self-Healing Double-Cross-Linked Supramolecular Binders of a Polyacrylamide-Grafted Soy Protein Isolate for LIB Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12799-12808	8.3	18
202	Novel Sodium Poly(tartaric acid)Borate-Based Single-Ion Conducting Polymer Electrolyte for Sodium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10053-10060	6.1	10
201	A polyethylene microsphere-coated separator with rapid thermal shutdown function for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2020 , 44, 33-40	12	33
200	Highly Selective and Pollution-Free Electrochemical Extraction of Lithium by a Polyaniline/Li Mn O Cell. <i>ChemSusChem</i> , 2019 , 12, 1361-1367	8.3	27
199	Polyaniline hollow nanofibers prepared by controllable sacrifice-template route as high-performance cathode materials for sodium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 301, 352-358	6.7	25
198	Schwefel-basierte Elektroden mit Mehrelektronenreaktionen für Raumtemperatur-Natriumionenspeicherung. <i>Angewandte Chemie</i> , 2019 , 131, 18490-18504	3.6	8
197	Effective Chemical Prelithiation Strategy for Building a Silicon/Sulfur Li-Ion Battery. <i>ACS Energy Letters</i> , 2019 , 4, 1717-1724	20.1	78
196	Sulfur-Based Electrodes that Function via Multielectron Reactions for Room-Temperature Sodium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18324-18337	16.4	46
195	In Situ Formation of CoS Nanoclusters in Sulfur-Doped Carbon Foam as a Sustainable and High-Rate Sodium-Ion Anode. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19218-19226	9.5	33

194	In situ N-doped carbon modified (Co _{0.5} Ni _{0.5}) ₉ S ₈ solid-solution hollow spheres as high-capacity anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8268-8276	13	57
193	Electrolytes for Dual-Carbon Batteries. <i>ChemElectroChem</i> , 2019 , 6, 2615-2629	4.3	36
192	High performance TiP ₂ O ₇ nanoporous microsphere as anode material for aqueous lithium-ion batteries. <i>Science China Chemistry</i> , 2019 , 62, 118-125	7.9	8
191	Na ₄ Fe ₃ (PO ₄) ₂ P ₂ O ₇ /C nanospheres as low-cost, high-performance cathode material for sodium-ion batteries. <i>Energy Storage Materials</i> , 2019 , 22, 330-336	19.4	56
190	Recent Progress in Rechargeable Sodium-Ion Batteries: toward High-Power Applications. <i>Small</i> , 2019 , 15, e1805427	11	149
189	A temperature-sensitive poly(3-octylpyrrole)/carbon composite as a conductive matrix of cathodes for building safer Li-ion batteries. <i>Energy Storage Materials</i> , 2019 , 17, 275-283	19.4	23
188	An Al-doped high voltage cathode of Na ₄ Co ₃ (PO ₄) ₂ P ₂ O ₇ enabling highly stable 4 V full sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18940-18949	13	21
187	Engineering Al ₂ O ₃ atomic layer deposition: Enhanced hard carbon-electrolyte interface towards practical sodium ion batteries. <i>Nano Energy</i> , 2019 , 64, 103903	17.1	58
186	Facile and scalable synthesis of low-cost FeS@C as long-cycle anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19709-19718	13	59
185	Extended Adsorption-Insertion Model: A New Insight into the Sodium Storage Mechanism of Hard Carbons. <i>Advanced Energy Materials</i> , 2019 , 9, 1901351	21.8	165
184	High-Safety Symmetric Sodium-Ion Batteries Based on Nonflammable Phosphate Electrolyte and Double NaV(PO) Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27833-27838	9.5	21
183	Zero-strain NaFe(PO) as a novel cathode material for sodium-ion batteries. <i>Chemical Communications</i> , 2019 , 55, 9043-9046	5.8	14
182	Developments and Perspectives on Emerging High-Energy-Density Sodium-Metal Batteries. <i>Chem</i> , 2019 , 5, 2547-2570	16.2	67
181	Sodium Storage Mechanism: Extended Adsorption-Insertion Model: A New Insight into the Sodium Storage Mechanism of Hard Carbons (Adv. Energy Mater. 32/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970125	21.8	3
180	Highly Electrochemically-Reversible Mesoporous Na FePO F/C as Cathode Material for High-Performance Sodium-Ion Batteries. <i>Small</i> , 2019 , 15, e1903723	11	16
179	A Membrane-Free and Energy-Efficient Three-Step Chlor-Alkali Electrolysis with Higher-Purity NaOH Production. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45126-45132	9.5	8
178	Improved Sodium Storage Performance of Na _{0.44} MnO ₂ Cathode at a High Temperature by Al ₂ O ₃ Coating. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2019 , 35, 1357-1364	3.8	10
177	Bridging the academic and industrial metrics for next-generation practical batteries. <i>Nature Nanotechnology</i> , 2019 , 14, 200-207	28.7	255

176	Hollow carbon nanofibers as high-performance anode materials for sodium-ion batteries. <i>Nanoscale</i> , 2019 , 11, 21999-22005	7.7	20
175	Advancing knowledge of electrochemically generated lithium microstructure and performance decay of lithium ion battery by synchrotron X-ray tomography. <i>Materials Today</i> , 2019 , 27, 21-32	21.8	32
174	3D graphene decorated Na ₄ Fe ₃ (PO ₄) ₂ (P ₂ O ₇) microspheres as low-cost and high-performance cathode materials for sodium-ion batteries. <i>Nano Energy</i> , 2019 , 56, 160-168	17.1	75
173	TiO-Coated Interlayer-Expanded MoSe/Phosphorus-Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage. <i>Advanced Science</i> , 2019 , 6, 1801222	13.6	61
172	Stable Li Metal Anode with In-Solvent-Coordinated Nonflammable Electrolyte for Safe Li Metal Batteries. <i>ACS Energy Letters</i> , 2019 , 4, 483-488	20.1	95
171	High-Capacity Hard Carbon Pyrolyzed from Subbituminous Coal as Anode for Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 729-735	6.1	15
170	High-Performance Flexible Freestanding Anode with Hierarchical 3D Carbon-Networks/Fe S /Graphene for Applicable Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1806664	24	173
169	Sodium Ion Storage: TiO ₂ -Coated Interlayer-Expanded MoSe ₂ /Phosphorus-Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage (Adv. Sci. 1/2019). <i>Advanced Science</i> , 2019 , 6, 1970005	13.6	1
168	Well-defined Na ₂ Zn ₃ [Fe(CN) ₆] ₂ nanocrystals as a low-cost and cycle-stable cathode material for Na-ion batteries. <i>Electrochemistry Communications</i> , 2019 , 98, 78-81	5.1	14
167	An all-vanadium aqueous lithium ion battery with high energy density and long lifespan. <i>Energy Storage Materials</i> , 2019 , 18, 92-99	19.4	28
166	Novel 2D Layered Molybdenum Ditelluride Encapsulated in Few-Layer Graphene as High-Performance Anode for Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1703680	11	37
165	A Fully Sodiated NaVOPO ₄ with Layered Structure for High-Voltage and Long-Lifespan Sodium-Ion Batteries. <i>Chem</i> , 2018 , 4, 1167-1180	16.2	92
164	Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702619	21.8	299
163	A high voltage cathode of Na _{2+2x} Fe _{2x} (SO ₄) ₃ intensively protected by nitrogen-doped graphene with improved electrochemical performance of sodium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4354-4364	13	30
162	Recent Progress in Iron-Based Electrode Materials for Grid-Scale Sodium-Ion Batteries. <i>Small</i> , 2018 , 14, 1703116	11	118
161	Low-Defect and Low-Porosity Hard Carbon with High Coulombic Efficiency and High Capacity for Practical Sodium Ion Battery Anode. <i>Advanced Energy Materials</i> , 2018 , 8, 1703238	21.8	262
160	Symmetric Sodium-Ion Capacitor Based on NaMnO Nanorods for Low-Cost and High-Performance Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11689-11698	9.5	49
159	Transition metal oxides based on conversion reaction for sodium-ion battery anodes. <i>Materials Today Chemistry</i> , 2018 , 9, 114-132	6.2	27

158	Recent Advances in Sodium-Ion Battery Materials. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 294-323	29.3	154
157	Sodium-Ion Batteries: Prussian Blue Cathode Materials for Sodium-Ion Batteries and Other Ion Batteries (Adv. Energy Mater. 17/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870079	21.8	21
156	Suppression of Dendritic Lithium Growth by in Situ Formation of a Chemically Stable and Mechanically Strong Solid Electrolyte Interphase. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 593-601	8.5	78
155	Ultrathin phyllosilicate nanosheets as anode materials with superior rate performance for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1397-1402	13	16
154	Building a cycle-stable sulphur cathode by tailoring its redox reaction into a solid-phase conversion mechanism. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23396-23407	13	28
153	A Bifunctional Fluorophosphate Electrolyte for Safer Sodium-Ion Batteries. <i>IScience</i> , 2018 , 10, 114-122	6.1	30
152	Template synthesis of mesoporous Li ₂ MnSiO ₄ @C composite with improved lithium storage properties. <i>Electrochimica Acta</i> , 2018 , 291, 124-131	6.7	10
151	Understanding the Electrochemical Compatibility and Reaction Mechanism on Na Metal and Hard Carbon Anodes of PC-Based Electrolytes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39651-39660	9.5	22
150	Magnesium-mechanochemical reduced SiO for high-performance lithium ion batteries. <i>Journal of Power Sources</i> , 2018 , 407, 112-122	8.9	25
149	A Nonflammable Na ⁺ -Based Dual-Carbon Battery with Low-Cost, High Voltage, and Long Cycle Life. <i>Advanced Energy Materials</i> , 2018 , 8, 1802176	21.8	72
148	High Capacity and Cycle-Stable Hard Carbon Anode for Nonflammable Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38141-38150	9.5	35
147	Novel Alkaline Zn/NaMnO Dual-Ion Battery with a High Capacity and Long Cycle Lifespan. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34108-34115	9.5	36
146	Exploring Sodium-Ion Storage Mechanism in Hard Carbons with Different Microstructure Prepared by Ball-Milling Method. <i>Small</i> , 2018 , 14, e1802694	11	74
145	A solar rechargeable battery based on the sodium ion storage mechanism with Fe ₂ (MoO ₄) ₃ microspheres as anode materials. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10627-10631	13	14
144	Non-flammable electrolytes with high salt-to-solvent ratios for Li-ion and Li-metal batteries. <i>Nature Energy</i> , 2018 , 3, 674-681	62.3	357
143	Electrochromic Metal Oxides: Recent Progress and Prospect. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800185	18.5	114
142	AlF-Modified carbon nanofibers as a multifunctional 3D interlayer for stable lithium metal anodes. <i>Chemical Communications</i> , 2018 , 54, 8347-8350	5.8	20
141	Phosphate Framework Electrode Materials for Sodium Ion Batteries. <i>Advanced Science</i> , 2017 , 4, 1600392	13.6	200

140	High Rate, Long Lifespan LiV O Nanorods as a Cathode Material for Lithium-Ion Batteries. <i>Small</i> , 2017 , 13, 1603148	11	42
139	Graphene-Scaffolded NaV(PO) Microsphere Cathode with High Rate Capability and Cycling Stability for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7177-7184	9.5	123
138	Manipulating Adsorption/Insertion Mechanisms in Nanostructured Carbon Materials for High-Efficiency Sodium Ion Storage. <i>Advanced Energy Materials</i> , 2017 , 7, 1700403	21.8	486
137	Amorphous CoS nanoparticle/reduced graphene oxide composite as high-performance anode material for sodium-ion batteries. <i>Ceramics International</i> , 2017 , 43, 9630-9635	5.1	28
136	Recent Developments in Cathode Materials for Na Ion Batteries. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2017 , 33, 211-241	3.8	38
135	Fe2O3 amorphous nanoparticles/graphene composite as high-performance anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 15-21	5.7	27
134	Coaxial Three-Layered Carbon/Sulfur/Polymer Nanofibers with High Sulfur Content and High Utilization for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11626-11633	9.5	22
133	Yolk-Shell TiO@C Nanocomposite as High-Performance Anode Material for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 345-353	9.5	52
132	A novel bifunctional thermo-sensitive poly(lactic acid)@poly(butylene succinate) core-shell fibrous separator prepared by a coaxial electrospinning route for safe lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23238-23242	13	48
131	Novel Ceramic-Grafted Separator with Highly Thermal Stability for Safe Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25970-25975	9.5	72
130	An All-Phosphate and Zero-Strain Sodium-Ion Battery Based on NaV(PO) Cathode, NaTi(PO) Anode, and Trimethyl Phosphate Electrolyte with Intrinsic Safety and Long Lifespan. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43733-43738	9.5	31
129	Surface-engineering enhanced sodium storage performance of Na3V2(PO4)3 cathode via in-situ self-decorated conducting polymer route. <i>Science China Chemistry</i> , 2017 , 60, 1546-1553	7.9	18
128	A green route to synthesize low-cost and high-performance hard carbon as promising sodium-ion battery anodes from sorghum stalk waste. <i>Green Energy and Environment</i> , 2017 , 2, 310-315	5.7	42
127	Discussion on the mechanism of sodium storage of different structural types of carbon material. <i>Scientia Sinica Chimica</i> , 2017 , 47, 573-578	1.6	3
126	SnO2-Reduced Graphene Oxide Nanocomposites via Microwave Route as Anode for Sodium-Ion Battery. <i>Jom</i> , 2016 , 68, 2607-2612	2.1	8
125	Low Defect FeFe(CN)6 Framework as Stable Host Material for High Performance Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23706-12	9.5	82
124	Hard Carbon Fibers Pyrolyzed from Wool as High-Performance Anode for Sodium-Ion Batteries. <i>Jom</i> , 2016 , 68, 2579-2584	2.1	19
123	A solar storable fuel cell with efficient photo-degradation of organic waste for direct electricity generation. <i>Energy Storage Materials</i> , 2016 , 5, 165-170	19.4	9

122	Dual Core-Shell Structured Si@SiO@C Nanocomposite Synthesized via a One-Step Pyrolysis Method as a Highly Stable Anode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31611-31616	9.5	72
121	Effect of Li _{1/3} Mn _{2/3} -Substitution on Electrochemical Performance of P2-Na _{0.74} CoO ₂ Cathode for Sodium-ion Batteries. <i>Electrochimica Acta</i> , 2016 , 222, 862-866	6.7	6
120	Electrospun TiO ₂ /C Nanofibers As a High-Capacity and Cycle-Stable Anode for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16684-9	9.5	107
119	Graphene-supported TiO ₂ nanospheres as a high-capacity and long-cycle life anode for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11351-11356	13	58
118	Building thermally stable Li-ion batteries using a temperature-responsive cathode. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11239-11246	13	44
117	Graphene-Modified TiO ₂ Microspheres Synthesized by a Facile Spray-Drying Route for Enhanced Sodium-Ion Storage. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 545-552	3.1	36
116	Graphene-Wrapped Na ₂ C ₁₂ H ₆ O ₄ Nanoflowers as High Performance Anodes for Sodium-Ion Batteries. <i>Small</i> , 2016 , 12, 583-7	11	71
115	Highly Crystallized Na _{0.5} Fe(CN) _{0.5} with Suppressed Lattice Defects as Superior Cathode Material for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5393-9	9.5	220
114	TiO ₂ ceramic-grafted polyethylene separators for enhanced thermostability and electrochemical performance of lithium-ion batteries. <i>Journal of Membrane Science</i> , 2016 , 504, 97-103	9.6	113
113	Nanospherical-Like Manganese Monoxide/Reduced Graphene Oxide Composite Synthesized by Electron Beam Radiation as Anode Material for High-Performance Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 196, 431-439	6.7	29
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110	Poly(3-butylthiophene)-based positive-temperature-coefficient electrodes for safer lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 187, 173-178	6.7	20
109	Hard carbon nanoparticles as high-capacity, high-stability anodic materials for Na-ion batteries. <i>Nano Energy</i> , 2016 , 19, 279-288	17.1	289
108	Routes to High Energy Cathodes of Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1501727	21.8	331
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106	Understanding Voltage Decay in Lithium-Rich Manganese-Based Layered Cathode Materials by Limiting Cutoff Voltage. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18867-77	9.5	35
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101	An All-solid-state and All-organic Sodium-ion Battery based on Redox-active Polymers and Plastic Crystal Electrolyte. <i>Electrochimica Acta</i> , 2015 , 178, 55-59	6.7	37
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