

Xiao-Bo Ji

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Defect-rich and ultrathin N doped carbon nanosheets as advanced trifunctional metal-free electrocatalysts for the ORR, OER and HER. <i>Energy and Environmental Science</i> , 2019, 12, 322-333.	15.6	1,078
2	Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodium-ion Batteries with Ultralong Cycle Life. <i>Advanced Materials</i> , 2015, 27, 7861-7866.	11.1	1,055
3	Carbon Anode Materials for Advanced Sodium-ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602898.	10.2	858
4	Interfacial Design of Dendrite-free Zinc Anodes for Aqueous Zinc-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13180-13191.	7.2	727
5	The Three-dimensional Dendrite-free Zinc Anode on a Copper Mesh with a Zinc-oriented Polyacrylamide Electrolyte Additive. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15841-15847.	7.2	648
6	Advancements and Challenges in Potassium Ion Batteries: A Comprehensive Review. <i>Advanced Functional Materials</i> , 2020, 30, 1909486.	7.8	570
7	Large-area Carbon Nanosheets Doped with Phosphorus: A High-performance Anode Material for Sodium-ion Batteries. <i>Advanced Science</i> , 2017, 4, 1600243.	5.6	450
8	NiCo ₂ O ₄ -based materials for electrochemical supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14759-14772.	5.2	420
9	Mesoporous NiCo ₂ S ₄ nanoparticles as high-performance electrode materials for supercapacitors. <i>Journal of Power Sources</i> , 2015, 273, 584-590.	4.0	409
10	Revealing the role of crystal orientation of protective layers for stable zinc anode. <i>Nature Communications</i> , 2020, 11, 3961.	5.8	378
11	3D Printed Graphene Based Energy Storage Devices. <i>Scientific Reports</i> , 2017, 7, 42233.	1.6	345
12	Tuning nitrogen species in three-dimensional porous carbon via phosphorus doping for ultra-fast potassium storage. <i>Nano Energy</i> , 2019, 57, 728-736.	8.2	323
13	A carbon quantum dot decorated RuO ₂ network: outstanding supercapacitances under ultrafast charge and discharge. <i>Energy and Environmental Science</i> , 2013, 6, 3665.	15.6	293
14	Tailoring Rod-like FeSe ₂ Coated with Nitrogen-doped Carbon for High-performance Sodium Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1801765.	7.8	287
15	Porous NiCo ₂ O ₄ spheres tuned through carbon quantum dots utilised as advanced materials for an asymmetric supercapacitor. <i>Journal of Materials Chemistry A</i> , 2015, 3, 866-877.	5.2	282
16	Electrochemical capacitors utilising transition metal oxides: an update of recent developments. <i>RSC Advances</i> , 2011, 1, 1171.	1.7	278
17	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. <i>Nano Energy</i> , 2021, 83, 105854.	8.2	264
18	Graphene-rich Wrapped Petal-like Rutile TiO ₂ tuned by Carbon Dots for High-performance Sodium Storage. <i>Advanced Materials</i> , 2016, 28, 9391-9399.	11.1	262

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19	H ⁺ Insertion Boosted MnO_2 for an Aqueous Zn-Ion Battery. <i>Small</i> , 2020, 16, e1905842.	5.2	260
20	Carbon quantum dot micelles tailored hollow carbon anode for fast potassium and sodium storage. <i>Nano Energy</i> , 2019, 65, 104038.	8.2	250
21	High Energy Density Asymmetric Supercapacitors From Mesoporous NiCo ₂ S ₄ Nanosheets. <i>Electrochimica Acta</i> , 2015, 174, 238-245.	2.6	247
22	Hierarchical Hollow Microsphere Metal Selenide@Carbon Composites with Rational Surface Engineering for Advanced Sodium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803035.	10.2	234
23	Spinel NiCo ₂ O ₄ for use as a high-performance supercapacitor electrode material: Understanding of its electrochemical properties. <i>Journal of Power Sources</i> , 2014, 267, 888-900.	4.0	228
24	Anions induced evolution of Co ₃ X ₄ (X = O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. <i>Nano Energy</i> , 2018, 48, 617-629.	8.2	227
25	Advanced Hierarchical Vesicular Carbon Co-Doped with S, P, N for High-Rate Sodium Storage. <i>Advanced Science</i> , 2018, 5, 1800241.	5.6	225
26	First exploration of Na-ion migration pathways in the NASICON structure Na ₃ V ₂ (PO ₄) ₃ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 5358.	5.2	222
27	Ti ³⁺ Self-Doped Dark Rutile TiO ₂ Ultrafine Nanorods with Durable High-Rate Capability for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2015, 25, 6793-6801.	7.8	221
28	One-Dimensional Rod-Like Sb ₂ S ₃ -Based Anode for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19362-19369.	4.0	218
29	Carbon dots supported upon N-doped TiO ₂ nanorods applied into sodium and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5648-5655.	5.2	215
30	Oxygenated Edge Plane Sites Slow the Electron Transfer of the Ferro-/Ferricyanide Redox Couple at Graphite Electrodes. <i>ChemPhysChem</i> , 2006, 7, 1337-1344.	1.0	214
31	The development of carbon dots: From the perspective of materials chemistry. <i>Materials Today</i> , 2021, 51, 188-207.	8.3	213
32	Oxygen Vacancies Evoked Blue TiO ₂ (B) Nanobelts with Efficiency Enhancement in Sodium Storage Behaviors. <i>Advanced Functional Materials</i> , 2017, 27, 1700856.	7.8	212
33	Sodium/Lithium Storage Behavior of Antimony Hollow Nanospheres for Rechargeable Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16189-16196.	4.0	199
34	Binding MoSe ₂ with carbon constrained in carbonous nanosphere towards high-capacity and ultrafast Li/Na-ion storage. <i>Energy Storage Materials</i> , 2018, 12, 310-323.	9.5	196
35	Black Anatase Titania with Ultrafast Sodium-Storage Performances Stimulated by Oxygen Vacancies. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9142-9151.	4.0	193
36	Electrochemical exfoliation of graphene-like two-dimensional nanomaterials. <i>Nanoscale</i> , 2019, 11, 16-33.	2.8	184

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37	Kilogram-Scale Synthesis and Functionalization of Carbon Dots for Superior Electrochemical Potassium Storage. <i>ACS Nano</i> , 2021, 15, 6872-6885.	7.3	184
38	A process for combination of recycling lithium and regenerating graphite from spent lithium-ion battery. <i>Waste Management</i> , 2019, 85, 529-537.	3.7	182
39	Garnet Solid Electrolyte for Advanced All-Solid-State Li Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2000648.	10.2	182
40	Plasma-Induced Amorphous Shell and Deep Cation Site S Doping Endow TiO_2 with Extraordinary Sodium Storage Performance. <i>Advanced Materials</i> , 2018, 30, e1801013.	11.1	180
41	3D interconnected ultrathin cobalt selenide nanosheets as cathode materials for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2018, 269, 30-37.	2.6	170
42	Engineering Fe-N Coordination Structures for Fast Redox Conversion in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2021, 33, e2100171.	11.1	167
43	Anatase TiO_2 nanocubes for fast and durable sodium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8800-8807.	5.2	163
44	Exploration of ion migration mechanism and diffusion capability for $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_3$ cathode utilized in rechargeable sodium-ion batteries. <i>Journal of Power Sources</i> , 2014, 256, 258-263.	4.0	162
45	Layer-Tunable Phosphorene Modulated by the Cation Insertion Rate as a Sodium Storage Anode. <i>Advanced Materials</i> , 2017, 29, 1702372.	11.1	162
46	Nitrogen Doped/Carbon Tuning Yolk-Like TiO_2 and Its Remarkable Impact on Sodium Storage Performances. <i>Advanced Energy Materials</i> , 2017, 7, 1600173.	10.2	159
47	Sb porous hollow microspheres as advanced anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2971-2977.	5.2	156
48	Pseudo-Bonding and Electric Field Harmony for Li-Rich Mn-Based Oxide Cathode. <i>Advanced Functional Materials</i> , 2020, 30, 2004302.	7.8	149
49	Controllable Chain Length for Covalent Sulfur-Carbon Materials Enabling Stable and High-Capacity Sodium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803478.	10.2	145
50	Controllable Interlayer Spacing of Sulfur-Doped Graphitic Carbon Nanosheets for Fast Sodium-Ion Batteries. <i>Small</i> , 2017, 13, 1700762.	5.2	144
51	Lithium Titanate Tailored by Cathodically Induced Graphene for an Ultrafast Lithium Ion Battery. <i>Advanced Functional Materials</i> , 2014, 24, 4349-4356.	7.8	142
52	High Ion-Conducting Solid-State Composite Electrolytes with Carbon Quantum Dot Nanofillers. <i>Advanced Science</i> , 2018, 5, 1700996.	5.6	141
53	Understanding the sodium storage mechanisms of organic electrodes in sodium ion batteries: issues and solutions. <i>Energy and Environmental Science</i> , 2020, 13, 1568-1592.	15.6	140
54	Prelithiation/Presodiation Techniques for Advanced Electrochemical Energy Storage Systems: Concepts, Applications, and Perspectives. <i>Advanced Functional Materials</i> , 2021, 31, 2005581.	7.8	138

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55	Liquid Alloy Interlayer for Aqueous Zinc-Ion Battery. <i>ACS Energy Letters</i> , 2021, 6, 675-683.	8.8	135
56	Yolk-Shell-Structured Bismuth@N-Doped Carbon Anode for Lithium-Ion Battery with High Volumetric Capacity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10829-10840.	4.0	132
57	Ultrafast Sodium Full Batteries Derived from $X\text{Fe}$ ($X = \text{Co}, \text{Ni}, \text{Mn}$) Prussian Blue Analogs. <i>Advanced Materials</i> , 2019, 31, e1806092.	11.1	132
58	NiCo ₂ S ₄ hollow microsphere decorated by acetylene black for high-performance asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2015, 186, 562-571.	2.6	130
59	Metal-Organic Framework-Derived Materials for Sodium Energy Storage. <i>Small</i> , 2018, 14, 1702648.	5.2	129
60	Recent progress on electrolyte additives for stable lithium metal anode. <i>Energy Storage Materials</i> , 2020, 32, 306-319.	9.5	126
61	An Asymmetric Ultracapacitors Utilizing $\text{Co(OH)}_2/\text{Co}_3\text{O}_4$ Flakes Assisted by Electrochemically Alternating Voltage. <i>Electrochimica Acta</i> , 2014, 141, 234-240.	2.6	121
62	Uniform and dendrite-free zinc deposition enabled by <i>in situ</i> formed AgZn_3 for the zinc metal anode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8452-8461.	5.2	121
63	Antimony nanoparticles anchored on interconnected carbon nanofibers networks as advanced anode material for sodium-ion batteries. <i>Journal of Power Sources</i> , 2015, 284, 227-235.	4.0	119
64	Engineering the trap effect of residual oxygen atoms and defects in hard carbon anode towards high initial Coulombic efficiency. <i>Nano Energy</i> , 2019, 64, 103937.	8.2	118
65	Heteroatom-doped carbon inlaid with Sb_2X_3 ($X = \text{S}, \text{Se}$) nanodots for high-performance potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 385, 123838.	6.6	118
66	Alternating Voltage Introduced NiCo Double Hydroxide Layered Nanoflakes for an Asymmetric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22741-22744.	4.0	117
67	Three-Dimensional Hierarchical Framework Assembled by Cobblestone-Like CoSe_2 @C Nanospheres for Ultrastable Sodium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14716-14726.	4.0	116
68	The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive. <i>Angewandte Chemie</i> , 2019, 131, 15988-15994.	1.6	116
69	A kinetically well-matched full-carbon sodium-ion capacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13540-13549.	5.2	116
70	Functionalized carbon dots for advanced batteries. <i>Energy Storage Materials</i> , 2021, 37, 8-39.	9.5	116
71	Crack-free single-crystalline Co-free Ni-rich $\text{LiNi}_{0.95}\text{Mn}_{0.05}\text{O}_2$ layered cathode. <i>EScience</i> , 2022, 2, 116-124.	25.0	116
72	A $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ cathode material for use in hybrid lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14357.	1.3	115

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73	Interfacial challenges towards stable Li metal anode. <i>Nano Energy</i> , 2021, 79, 105507.	8.2	115
74	Cube-shaped Porous Carbon Derived from MOF-5 as Advanced Material for Sodium-Ion Batteries. <i>Electrochimica Acta</i> , 2016, 196, 413-421.	2.6	114
75	Graphitic Carbon Quantum Dots Modified Nickel Cobalt Sulfide as Cathode Materials for Alkaline Aqueous Batteries. <i>Nano-Micro Letters</i> , 2020, 12, 16.	14.4	114
76	Multidimensional Evolution of Carbon Structures Underpinned by Temperature-Induced Intermediate of Chloride for Sodium-Ion Batteries. <i>Advanced Science</i> , 2018, 5, 1800080.	5.6	112
77	Insights into Enhanced Capacitive Behavior of Carbon Cathode for Lithium Ion Capacitors: The Coupling of Pore Size and Graphitization Engineering. <i>Nano-Micro Letters</i> , 2020, 12, 121.	14.4	111
78	Hierarchical NiS ₂ Modified with Bifunctional Carbon for Enhanced Potassium-Ion Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1903454.	7.8	109
79	Electrochemically activated MnO cathodes for high performance aqueous zinc-ion battery. <i>Chemical Engineering Journal</i> , 2020, 402, 125509.	6.6	109
80	The advance of nickel-cobalt-sulfide as ultra-fast/high sodium storage materials: The influences of morphology structure, phase evolution and interface property. <i>Energy Storage Materials</i> , 2019, 16, 267-280.	9.5	107
81	A study into the extracted ion number for NASICON structured Na ₃ V ₂ (PO ₄) ₃ in sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17681-17687.	1.3	106
82	Plasma-Strengthened Lithiophilicity of Copper Oxide Nanosheet-Decorated Cu Foil for Stable Lithium Metal Anode. <i>Advanced Science</i> , 2019, 6, 1901433.	5.6	106
83	Simultaneously Regulating the Ion Distribution and Electric Field to Achieve Dendrite-Free Zn Anode. <i>Small</i> , 2020, 16, e2000929.	5.2	106
84	Electroanalytical Determination of Cadmium(II) and Lead(II) Using an <i>in-situ</i> Bismuth Film Modified Edge Plane Pyrolytic Graphite Electrode. <i>Analytical Sciences</i> , 2007, 23, 283-289.	0.8	105
85	Comprehensive Understanding of Sodium-Ion Capacitors: Definition, Mechanisms, Configurations, Materials, Key Technologies, and Future Developments. <i>Advanced Energy Materials</i> , 2021, 11, 2003804.	10.2	105
86	Investigation of the Sodium Ion Pathway and Cathode Behavior in Na ₃ V ₂ (PO ₄) ₂ F ₃ Combined via a First Principles Calculation. <i>Langmuir</i> , 2014, 30, 12438-12446.	1.6	104
87	Nickel Chelate Derived NiS ₂ Decorated with Bifunctional Carbon: An Efficient Strategy to Promote Sodium Storage Performance. <i>Advanced Functional Materials</i> , 2018, 28, 1803690.	7.8	104
88	A Functional Organic Zinc-Chelate Formation with Nanoscaled Granular Structure Enabling Long-Term and Dendrite-Free Zn Anodes. <i>ACS Nano</i> , 2022, 16, 9736-9747.	7.3	104
89	Molybdenum Phosphide: A Conversion-type Anode for Ultralong-Life Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2017, 29, 7313-7322.	3.2	102
90	Aqueous Sodium-Ion Battery using a Na ₃ V ₂ (PO ₄) ₃ Electrode. <i>ChemElectroChem</i> , 2014, 1, 871-876.	1.7	101

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91	Na ₂ FePO ₄ F cathode utilized in hybrid-ion batteries: a mechanistic exploration of ion migration and diffusion capability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2571.	5.2	101
92	N-Rich carbon-coated Co ₃ S ₄ ultrafine nanocrystals derived from ZIF-67 as an advanced anode for sodium-ion batteries. <i>Nanoscale</i> , 2018, 10, 18786-18794.	2.8	101
93	Carbon quantum dot coated Mn ₃ O ₄ with enhanced performances for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16824-16830.	5.2	100
94	Rodlike Sb ₂ Se ₃ Wrapped with Carbon: The Exploring of Electrochemical Properties in Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34979-34989.	4.0	100
95	Dendrite-free lithium metal anode with lithiophilic interphase from hierarchical frameworks by tuned nucleation. <i>Energy Storage Materials</i> , 2020, 27, 124-132.	9.5	98
96	Graphene quantum dots enable dendrite-free zinc ion battery. <i>Nano Energy</i> , 2022, 92, 106752.	8.2	98
97	Enhanced sodium storage behavior of carbon coated anatase TiO ₂ hollow spheres. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18944-18952.	5.2	96
98	Octahedral Sb ₂ O ₃ as high-performance anode for lithium and sodium storage. <i>Materials Chemistry and Physics</i> , 2019, 223, 46-52.	2.0	95
99	Metalorganic Quantum Dots and Their Graphene-Like Derivative Porous Graphitic Carbon for Advanced Lithium-Ion Hybrid Supercapacitor. <i>Advanced Energy Materials</i> , 2019, 9, 1802878.	10.2	94
100	High content anion (S/Se/P) doping assisted by defect engineering with fast charge transfer kinetics for high-performance sodium ion capacitors. <i>Science Bulletin</i> , 2021, 66, 1858-1868.	4.3	94
101	A promising Na ₃ V ₂ (PO ₄) ₃ cathode for use in the construction of high energy batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3055.	1.3	92
102	Composition Engineering Boosts Voltage Windows for Advanced Sodium-Ion Batteries. <i>ACS Nano</i> , 2019, 13, 10787-10797.	7.3	90
103	Understanding crystal structures, ion diffusion mechanisms and sodium storage behaviors of NASICON materials. <i>Energy Storage Materials</i> , 2021, 34, 171-193.	9.5	90
104	High-Yield Carbon Dots Interlayer for Ultra-Stable Zinc Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	90
105	An electrochemical exploration of hollow NiCo ₂ O ₄ submicrospheres and its capacitive performances. <i>Journal of Power Sources</i> , 2015, 287, 307-315.	4.0	89
106	Freestanding three-dimensional graphene foam gives rise to beneficial electrochemical signatures within non-aqueous media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5962.	5.2	88
107	Multifunctional dual Na ₃ V ₂ (PO ₄) ₃ cathode for both lithium-ion and sodium-ion batteries. <i>RSC Advances</i> , 2014, 4, 11375-11383.	1.7	88
108	High capacity NiCo ₂ O ₄ nanorods as electrode materials for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2014, 617, 988-993.	2.8	88

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109	Anatase inverse opal TiO ₂ -x@N-doped C induced the dominant pseudocapacitive effect for durable and fast lithium/sodium storage. <i>Electrochimica Acta</i> , 2019, 299, 540-548.	2.6	87
110	Ultra-stable Sb confined into N-doped carbon fibers anodes for high-performance potassium-ion batteries. <i>Science Bulletin</i> , 2020, 65, 1003-1012.	4.3	87
111	An Electrochemical Study of Sb/Acetylene Black Composite as Anode for Sodium-Ion Batteries. <i>Electrochimica Acta</i> , 2014, 146, 328-334.	2.6	84
112	N-rich carbon coated CoSnO ₃ derived from <i>in situ</i> construction of a Co-MOF with enhanced sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4839-4847.	5.2	84
113	Bi Dots Confined by Functional Carbon as High-Performance Anode for Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2000756.	7.8	84
114	2D molybdenum disulphide (2D-MoS ₂) modified electrodes explored towards the oxygen reduction reaction. <i>Nanoscale</i> , 2016, 8, 14767-14777.	2.8	83
115	Honeycomb hard carbon derived from carbon quantum dots as anode material for K-ion batteries. <i>Materials Chemistry and Physics</i> , 2019, 229, 303-309.	2.0	82
116	Carbon-coated rutile titanium dioxide derived from titanium-metal organic framework with enhanced sodium storage behavior. <i>Journal of Power Sources</i> , 2016, 325, 25-34.	4.0	81
117	Preparation of S/N-codoped carbon nanosheets with tunable interlayer distance for high-rate sodium-ion batteries. <i>Green Chemistry</i> , 2017, 19, 4622-4632.	4.6	81
118	Stabilizing Intermediate Phases via Efficient Entrapment Effects of Layered VS ₄ /SnS@C Heterostructure for Ultralong Lifespan Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2103802.	7.8	81
119	Challenges and Strategies towards Single-Crystalline Ni-Rich Layered Cathodes. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	81
120	Electrochemically cathodic exfoliation of graphene sheets in room temperature ionic liquids N-butyl, methylpyrrolidinium bis(trifluoromethylsulfonyl)imide and their electrochemical properties. <i>Electrochimica Acta</i> , 2013, 113, 9-16.	2.6	80
121	A new approach for the improved interpretation of capacitance measurements for materials utilised in energy storage. <i>RSC Advances</i> , 2015, 5, 12782-12791.	1.7	79
122	Understanding the Physicoelectrochemical Properties of Carbon Nanotubes: Current State of the Art. <i>Electroanalysis</i> , 2010, 22, 7-19.	1.5	78
123	Pinecone-like hierarchical anatase TiO ₂ bonded with carbon enabling ultrahigh cycling rates for sodium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12591-12601.	5.2	78
124	Strongly Coupled Interfacial Engineering Inspired by Robotic Arms Enable High-Performance Sodium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	78
125	Demystifying the Lattice Oxygen Redox in Layered Oxide Cathode Materials of Lithium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 6061-6104.	7.3	77
126	Size-Tunable Olive-Like Anatase TiO ₂ Coated with Carbon as Superior Anode for Sodium-Ion Batteries. <i>Small</i> , 2016, 12, 5554-5563.	5.2	76

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127	Confined N-CoSe ₂ active sites boost bifunctional oxygen electrocatalysis for rechargeable Zn-air batteries. <i>Nano Energy</i> , 2022, 91, 106675.	8.2	76
128	Advanced Pre-diagnosis Method of Biomass Intermediates Toward High Energy Dual-Carbon Potassium-Ion Capacitor. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	76
129	Ultrafine nickel oxide quantum dots embedded with few-layer exfoliative graphene for an asymmetric supercapacitor: Enhanced capacitances by alternating voltage. <i>Journal of Power Sources</i> , 2015, 298, 241-248.	4.0	75
130	Nickel nanoparticles supported on nitrogen-doped honeycomb-like carbon frameworks for effective methanol oxidation. <i>RSC Advances</i> , 2017, 7, 14152-14158.	1.7	75
131	High-Throughput Production of Cheap Mineral-Based Heterostructures for High Power Sodium Ion Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	75
132	Engineering 1D chain-like architecture with conducting polymer towards ultra-fast and high-capacity energy storage by reinforced pseudo-capacitance. <i>Nano Energy</i> , 2018, 54, 26-38.	8.2	74
133	3D network-like mesoporous NiCo ₂ O ₄ nanostructures as advanced electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2014, 149, 144-151.	2.6	72
134	The electrochemical exploration of double carbon-wrapped Na ₃ V ₂ (PO ₄) ₃ : Towards long-time cycling and superior rate sodium-ion battery cathode. <i>Journal of Power Sources</i> , 2017, 366, 249-258.	4.0	72
135	Bi-Based Electrode Materials for Alkali Metal-Ion Batteries. <i>Small</i> , 2020, 16, e2004022.	5.2	71
136	An electrochemical investigation of rutile TiO ₂ microspheres anchored by nanoneedle clusters for sodium storage. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15764-15770.	1.3	70
137	Electrochemical Exfoliation of Graphite into Nitrogen-doped Graphene in Glycine Solution and its Energy Storage Properties. <i>Electrochimica Acta</i> , 2016, 204, 100-107.	2.6	70
138	A facile annealing strategy for achieving <i>in situ</i> controllable Cu ₂ O nanoparticle decorated copper foil as a current collector for stable lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18444-18448.	5.2	70
139	Palladium Sub-Nanoparticle Decorated "Bamboo" Multi-Walled Carbon Nanotubes Exhibit Electrochemical Metastability: Voltammetric Sensing in Otherwise Inaccessible pH Ranges. <i>Electroanalysis</i> , 2006, 18, 2481-2485.	1.5	69
140	High-voltage NASICON Sodium Ion Batteries: Merits of Fluorine Insertion. <i>Electrochimica Acta</i> , 2014, 146, 142-150.	2.6	69
141	3D hollow porous carbon microspheres derived from Mn-MOFs and their electrochemical behavior for sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23550-23558.	5.2	69
142	Surface-Driven Energy Storage Behavior of Dual-Heteroatoms Functionalized Carbon Material. <i>Advanced Functional Materials</i> , 2019, 29, 1900941.	7.8	68
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