Yan Yu

List of Publications by Year in descending order

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427 papers	40,706 citations	1163 111 h-index	3476 182 g-index
440 all docs	440 docs citations	440 times ranked	24504 citing authors

#	Article	IF	Citations
1	Guidelines and trends for next-generation rechargeable lithium and lithium-ion batteries. Chemical Society Reviews, 2020, 49, 1569-1614.	18.7	1,326
2	Singleâ€Layered Ultrasmall Nanoplates of MoS₂ Embedded in Carbon Nanofibers with Excellent Electrochemical Performance for Lithium and Sodium Storage. Angewandte Chemie - International Edition, 2014, 53, 2152-2156.	7.2	826
3	Reversible Storage of Lithium in Silverâ€Coated Threeâ€Dimensional Macroporous Silicon. Advanced Materials, 2010, 22, 2247-2250.	11.1	558
4	Encapsulation of Sn@carbon Nanoparticles in Bambooâ€like Hollow Carbon Nanofibers as an Anode Material in Lithiumâ€Based Batteries. Angewandte Chemie - International Edition, 2009, 48, 6485-6489.	7.2	551
5	Nitrogen doped porous carbon fibres as anode materials for sodium ion batteries with excellent rate performance. Nanoscale, 2014, 6, 1384-1389.	2.8	542
6	Progress of enhancing the safety of lithium ion battery from the electrolyte aspect. Nano Energy, 2019, 55, 93-114.	8.2	533
7	A Review on Lithium-Ion Batteries Safety Issues: Existing Problems and Possible Solutions. Materials Express, 2012, 2, 197-212.	0.2	522
8	Challenges and Perspectives for NASICONâ€Type Electrode Materials for Advanced Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1700431.	11.1	499
9	Solidâ€State Sodium Batteries. Advanced Energy Materials, 2018, 8, 1703012.	10.2	478
10	3D Amorphous Carbon with Controlled Porous and Disordered Structures as a Highâ€Rate Anode Material for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702434.	10.2	467
11	Selfâ€Supported Nanotube Arrays of Sulfurâ€Doped TiO₂ Enabling Ultrastable and Robust Sodium Storage. Advanced Materials, 2016, 28, 2259-2265.	11.1	457
12	An Advanced Sodiumâ€Ion Battery Composed of Carbon Coated Na₃V₂(PO₄)₃ in a Porous Graphene Network. Advanced Materials, 2015, 27, 6670-6676.	11.1	448
13	Carbon-Coated Na₃V₂(PO₄)₃ Embedded in Porous Carbon Matrix: An Ultrafast Na-Storage Cathode with the Potential of Outperforming Li Cathodes. Nano Letters, 2014, 14, 2175-2180.	4.5	446
14	Confined Amorphous Red Phosphorus in MOFâ€Derived Nâ€Doped Microporous Carbon as a Superior Anode for Sodiumâ€Ion Battery. Advanced Materials, 2017, 29, 1605820.	11.1	409
15	Tin Nanoparticles Encapsulated in Porous Multichannel Carbon Microtubes: Preparation by Single-Nozzle Electrospinning and Application as Anode Material for High-Performance Li-Based Batteries. Journal of the American Chemical Society, 2009, 131, 15984-15985.	6.6	404
16	Uniform yolkâ€“shell Sn₄P₃@C nanospheres as high-capacity and cycle-stable anode materials for sodium-ion batteries. Energy and Environmental Science, 2015, 8, 3531-3538.	15.6	401
17	Self-Supported Li₄Ti₅O₁₂â€“C Nanotube Arrays as High-Rate and Long-Life Anode Materials for Flexible Li-Ion Batteries. Nano Letters, 2014, 14, 2597-2603.	4.5	397
18	New Nanoconfined Galvanic Replacement Synthesis of Hollow Sb@C Yolkâ€“Shell Spheres Constituting a Stable Anode for High-Rate Li/Na-Ion Batteries. Nano Letters, 2017, 17, 2034-2042.	4.5	386

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19	MoS₂â€Based Nanocomposites for Electrochemical Energy Storage. Advanced Science, 2017, 4, 1600289.	5.6	374
20	Cobalt Sulfide Quantum Dot Embedded N/S-Doped Carbon Nanosheets with Superior Reversibility and Rate Capability for Sodium-Ion Batteries. ACS Nano, 2017, 11, 12658-12667.	7.3	373
21	High Energy and High Power Lithiumâ€Ion Capacitors Based on Boron and Nitrogen Dualâ€Doped 3D Carbon Nanofibers as Both Cathode and Anode. Advanced Energy Materials, 2017, 7, 1701336.	10.2	363
22	Amorphous Red Phosphorus Embedded in Highly Ordered Mesoporous Carbon with Superior Lithium and Sodium Storage Capacity. Nano Letters, 2016, 16, 1546-1553.	4.5	360
23	Sodium/Potassiumâ€Ion Batteries: Boosting the Rate Capability and Cycle Life by Combining Morphology, Defect and Structure Engineering. Advanced Materials, 2020, 32, e1904320.	11.1	335
24	Dualâ€Functionalized Double Carbon Shells Coated Silicon Nanoparticles for High Performance Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1605650.	11.1	325
25	Nickel-Foam-Supported Reticular CoO-Li2O Composite Anode Materials for Lithium Ion Batteries. Angewandte Chemie - International Edition, 2005, 44, 7085-7089.	7.2	313
26	MOFâ€Derived Hollow Co₉S₈ Nanoparticles Embedded in Graphitic Carbon Nanocages with Superior Liâ€Ion Storage. Small, 2016, 12, 2354-2364.	5.2	306
27	Nanoconfined Carbonâ€Coated Na₃V₂(PO₄)₃ Particles in Mesoporous Carbon Enabling Ultralong Cycle Life for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1402104.	10.2	305
28	Peapodâ€like Li₃VO₄/Nâ€Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for Highâ€Energy Lithiumâ€Ion Capacitors. Advanced Materials, 2017, 29, 1700142.	11.1	298
29	Facile Solidâ€State Growth of 3D Wellâ€Interconnected Nitrogenâ€Rich Carbon Nanotubeâ€“Graphene Hybrid Architectures for Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2016, 26, 1112-1119.	7.8	281
30	A Dualâ€Functional Conductive Framework Embedded with TiNâ€VN Heterostructures for Highly Efficient Polysulfide and Lithium Regulation toward Stable Liâ€“S Full Batteries. Advanced Materials, 2020, 32, e1905658.	11.1	276
31	Multicoreâ€“Shell Bi@Nâ€doped Carbon Nanospheres for High Power Density and Long Cycle Life Sodiumâ€• and Potassiumâ€Ion Anodes. Advanced Functional Materials, 2019, 29, 1809195.	7.8	268
32	Electrospun Na3V2(PO4)3/C nanofibers as stable cathode materials for sodium-ion batteries. Nanoscale, 2014, 6, 5081.	2.8	266
33	Synthesizing Porous NaTi₂(PO₄)₃ Nanoparticles Embedded in 3D Graphene Networks for High-Rate and Long Cycle-Life Sodium Electrodes. ACS Nano, 2015, 9, 6610-6618.	7.3	260
34	Facile Synthesis of Highly Porous Niâ€“Sn Intermetallic Microcages with Excellent Electrochemical Performance for Lithium and Sodium Storage. Nano Letters, 2014, 14, 6387-6392.	4.5	257
35	Free-standing and binder-free sodium-ion electrodes with ultralong cycle life and high rate performance based on porous carbon nanofibers. Nanoscale, 2014, 6, 693-698.	2.8	251
36	Three-Dimensional Ordered Macroporous Metalâ€“Organic Framework Single Crystal-Derived Nitrogen-Doped Hierarchical Porous Carbon for High-Performance Potassium-Ion Batteries. Nano Letters, 2019, 19, 4965-4973.	4.5	246

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37	Energy Storage Materials from Nature through Nanotechnology: A Sustainable Route from Reed Plants to a Silicon Anode for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 9632-9636.	7.2	245
38	Enhanced Pseudocapacitive Performance of Î±-MnO₂ by Cation Preinsertion. ACS Applied Materials & Interfaces, 2016, 8, 33732-33740.	4.0	241
39	Boosting Potassium-Ion Battery Performance by Encapsulating Red Phosphorus in Free-Standing Nitrogen-Doped Porous Hollow Carbon Nanofibers. Nano Letters, 2019, 19, 1351-1358.	4.5	239
40	Peapodâ€Like Carbonâ€Encapsulated Cobalt Chalcogenide Nanowires as Cycleâ€Stable and Highâ€Rate Materials for Sodiumâ€Ion Anodes. Advanced Materials, 2016, 28, 7276-7283.	11.1	237
41	Siâ€, Geâ€, Snâ€Based Anode Materials for Lithiumâ€Ion Batteries: From Structure Design to Electrochemical Performance. Small Methods, 2017, 1, 1600037.	4.6	237
42	The nanoscale circuitry of battery electrodes. Science, 2017, 358, .	6.0	235
43	A Flexible Porous Carbon Nanofibersâ€Selenium Cathode with Superior Electrochemical Performance for Both Liâ€Se and Naâ€Se Batteries. Advanced Energy Materials, 2015, 5, 1401377.	10.2	230
44	Na₃V₂(PO₄)₃: an advanced cathode for sodium-ion batteries. Nanoscale, 2019, 11, 2556-2576.	2.8	227
45	Electrospinning of Highly Electroactive Carbonâ€Coated Singleâ€Crystalline LiFePO₄ Nanowires. Angewandte Chemie - International Edition, 2011, 50, 6278-6282.	7.2	223
46	2D material as anode for sodium ion batteries: Recent progress and perspectives. Energy Storage Materials, 2019, 16, 323-343.	9.5	222
47	â€œNanoâ€Pearlâ€Stringâ€•TiNb₂O₇ as Anodes for Rechargeable Lithium Batteries. Advanced Energy Materials, 2013, 3, 49-53.	10.2	220
48	High Performance Graphene/Ni₂P Hybrid Anodes for Lithium and Sodium Storage through 3D Yolkâ€“Shellâ€Like Nanostructural Design. Advanced Materials, 2017, 29, 1604015.	11.1	220
49	Direct Observation of Lithium Staging in Partially Delithiated LiFePO₄ at Atomic Resolution. Journal of the American Chemical Society, 2011, 133, 4661-4663.	6.6	219
50	Superior Sodium Storage in Na₂Ti₃O₇ Nanotube Arrays through Surface Engineering. Advanced Energy Materials, 2016, 6, 1502568.	10.2	219
51	Cross-linked beta alumina nanowires with compact gel polymer electrolyte coating for ultra-stable sodium metal battery. Nature Communications, 2019, 10, 4244.	5.8	219
52	Advanced 3D Current Collectors for Lithiumâ€Based Batteries. Advanced Materials, 2018, 30, e1802014.	11.1	218
53	Selfâ€Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for Highâ€Energyâ€Density Lithiumâ€“Sulfur Batteries. Advanced Materials, 2019, 31, e1902228.	11.1	216
54	Mechanistic Understanding of Metal Phosphide Host for Sulfur Cathode in High-Energy-Density Lithiumâ€“Sulfur Batteries. ACS Nano, 2019, 13, 8986-8996.	7.3	215

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55	FeS@C on Carbon Cloth as Flexible Electrode for Both Lithium and Sodium Storage. ACS Applied Materials & Interfaces, 2015, 7, 27804-27809.	4.0	213
56	Peering into Alloy Anodes for Sodiumâ€Ion Batteries: Current Trends, Challenges, and Opportunities. Advanced Functional Materials, 2019, 29, 1808745.	7.8	209
57	Oxygen vacancies in metal oxides: recent progress towards advanced catalyst design. Science China Materials, 2020, 63, 2089-2118.	3.5	208
58	High Powerâ€“High Energy Sodium Battery Based on Threefold Interpenetrating Network. Advanced Materials, 2016, 28, 2409-2416.	11.1	205
59	Advances in the Development of Singleâ€Atom Catalysts for Highâ€Energyâ€Density Lithiumâ€“Sulfur Batteries. Advanced Materials, 2022, 34, e2200102.	11.1	202
60	Carbonâ€Encapsulated Pyrite as Stable and Earthâ€Abundant High Energy Cathode Material for Rechargeable Lithium Batteries. Advanced Materials, 2014, 26, 6025-6030.	11.1	201
61	Li Storage in 3D Nanoporous Auâ€Supported Nanocrystalline Tin. Advanced Materials, 2011, 23, 2443-2447.	11.1	198
62	Ge/C Nanowires as High-Capacity and Long-Life Anode Materials for Li-Ion Batteries. ACS Nano, 2014, 8, 7051-7059.	7.3	198
63	3D V₆O₁₃ Nanotextiles Assembled from Interconnected Nanogrooves as Cathode Materials for High-Energy Lithium Ion Batteries. Nano Letters, 2015, 15, 1388-1394.	4.5	194
64	A General Strategy to Fabricate Carbonâ€Coated 3D Porous Interconnected Metal Sulfides: Case Study of SnS/C Nanocomposite for Highâ€Performance Lithium and Sodium Ion Batteries. Advanced Science, 2015, 2, 1500200.	5.6	193
65	Heterostructures of 2D Molybdenum Dichalcogenide on 2D Nitrogenâ€Doped Carbon: Superior Potassiumâ€Ion Storage and Insight into Potassium Storage Mechanism. Advanced Materials, 2020, 32, e2000958.	11.1	192
66	Highly Reversible Na Storage in Na₃V₂(PO₄)₃ by Optimizing Nanostructure and Rational Surface Engineering. Advanced Energy Materials, 2018, 8, 1800068.	10.2	186
67	Transition metal chalcogenide anodes for sodium storage. Materials Today, 2020, 35, 131-167.	8.3	186
68	Regulating Lithium Nucleation and Deposition via MOFâ€Derived Co@Câ€Modified Carbon Cloth for Stable Li Metal Anode. Advanced Functional Materials, 2020, 30, 1909159.	7.8	170
69	Sodiumâ€Ion Batteries: Improving the Rate Capability of 3D Interconnected Carbon Nanofibers Thin Film by Boron, Nitrogen Dualâ€Doping. Advanced Science, 2017, 4, 1600468.	5.6	164
70	3D Flexible, Conductive, and Recyclable Ti₃C₂T_x MXene-Melamine Foam for High-Areal-Capacity and Long-Lifetime Alkali-Metal Anode. ACS Nano, 2020, 14, 8678-8688.	7.3	164
71	N,S co-doped 3D mesoporous carbonâ€“Co₃Si₂O₅(OH)₄ architectures for high-performance flexible pseudo-solid-state supercapacitors. Journal of Materials Chemistry A, 2017, 5, 12774-12781.	5.2	160
72	Bismuth nanospheres embedded in three-dimensional (3D) porous graphene frameworks as high performance anodes for sodium- and potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 4913-4921.	5.2	160

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73	A Mixed Lithiumâ€Ion Conductive Li₂S/Li₂Se Protection Layer for Stable Lithium Metal Anode. Advanced Functional Materials, 2020, 30, 2001607.	7.8	158
74	Snâ€Based Nanoparticles Encapsulated in a Porous 3D Graphene Network: Advanced Anodes for Highâ€Rate and Long Life Liâ€Ion Batteries. Advanced Functional Materials, 2015, 25, 3488-3496.	7.8	156
75	Boosting Potassium Storage Performance of the Cu₂S Anode via Morphology Engineering and Electrolyte Chemistry. ACS Nano, 2020, 14, 6024-6033.	7.3	156
76	Fast Li Storage in MoS₂â€Grapheneâ€Carbon Nanotube Nanocomposites: Advantageous Functional Integration of 0D, 1D, and 2D Nanostructures. Advanced Energy Materials, 2015, 5, 1401170.	10.2	155
77	The Promise and Challenge of Phosphorusâ€Based Composites as Anode Materials for Potassiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1901414.	11.1	155
78	Multi-core yolk-shell like mesoporous double carbon-coated silicon nanoparticles as anode materials for lithium-ion batteries. Energy Storage Materials, 2019, 18, 165-173.	9.5	155
79	Free-standing porous carbon nanofibersâ€“sulfur composite for flexible Liâ€“S battery cathode. Nanoscale, 2014, 6, 9579.	2.8	153
80	Nitrogen-doped hierarchically porous carbon networks: synthesis and applications in lithium-ion battery, sodium-ion battery and zinc-air battery. Electrochimica Acta, 2016, 219, 592-603.	2.6	151
81	Three-dimensionally interconnected nickelâ€“antimony intermetallic hollow nanospheres as anode material for high-rate sodium-ion batteries. Nano Energy, 2015, 16, 389-398.	8.2	150
82	Persistent zinc-ion storage in mass-produced V2O5 architectures. Nano Energy, 2019, 60, 171-178.	8.2	149
83	High Lithium Storage Performance of FeS Nanodots in Porous Graphitic Carbon Nanowires. Advanced Functional Materials, 2015, 25, 2335-2342.	7.8	148
84	Superior Sodium Storage in 3D Interconnected Nitrogen and Oxygen Dualâ€Doped Carbon Network. Small, 2016, 12, 2559-2566.	5.2	147
85	Crystalline red phosphorus incorporated with porous carbon nanofibers as flexible electrode for high performance lithium-ion batteries. Carbon, 2014, 78, 455-462.	5.4	146
86	Generalizable Synthesis of Metalâ€Sulfides/Carbon Hybrids with Multiscale, Hierarchically Ordered Structures as Advanced Electrodes for Lithium Storage. Advanced Materials, 2016, 28, 174-180.	11.1	145
87	Multichannel Porous TiO₂ Hollow Nanofibers with Rich Oxygen Vacancies and High Grain Boundary Density Enabling Superior Sodium Storage Performance. Small, 2017, 13, 1700129.	5.2	145
88	A Lamellar Hybrid Assembled from Metal Disulfide Nanowall Arrays Anchored on a Carbon Layer: In Situ Hybridization and Improved Sodium Storage. Advanced Materials, 2016, 28, 7774-7782.	11.1	142
89	A High Powerâ€“High Energy Na₃V₂(PO₄)₂F₃ Sodium Cathode: Investigation of Transport Parameters, Rational Design and Realization. Chemistry of Materials, 2017, 29, 5207-5215.	3.2	141
90	Metal Chalcogenides: Paving the Way for Highâ€Performance Sodium/Potassiumâ€Ion Batteries. Small Methods, 2020, 4, 1900563.	4.6	140

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91	Janus particles for biological imaging and sensing. Analyst, The, 2016, 141, 3526-3539.	1.7	138
92	Oxygen vacancy modulated Ti2Nb10O29-x embedded onto porous bacterial cellulose carbon for highly efficient lithium ion storage. Nano Energy, 2019, 58, 355-364.	8.2	137
93	Phase Transformation and Lithiation Effect on Electronic Structure of Li_xFePO₄: An In-Depth Study by Soft X-ray and Simulations. Journal of the American Chemical Society, 2012, 134, 13708-13715.	6.6	136
94	Nitrogen-Doped Ordered Mesoporous Anatase TiO₂Nanofibers as Anode Materials for High Performance Sodium-Ion Batteries. Small, 2016, 12, 3522-3529.	5.2	134
95	Carbon nanofiber-based nanostructures for lithium-ion and sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 13882-13906.	5.2	134
96	Lithiophilic Zn Sites in Porous CuZn Alloy Induced Uniform Li Nucleation and Dendrite-free Li Metal Deposition. Nano Letters, 2020, 20, 2724-2732.	4.5	134
97	CNT Interwoven Nitrogen and Oxygen Dualâ€Doped Porous Carbon Nanosheets as Freeâ€Standing Electrodes for Highâ€Performance Naâ€Se and Kâ€Se Flexible Batteries. Advanced Materials, 2018, 30, e1805234.	11.1	132
98	Niobiumâ€Based Oxides Toward Advanced Electrochemical Energy Storage: Recent Advances and Challenges. Small, 2019, 15, e1804884.	5.2	130
99	The Progress and Prospect of Tunable Organic Molecules for Organic Lithium-Ion Batteries. ACS Nano, 2021, 15, 47-80.	7.3	130
100	Optimizing the Void Size of Yolkâ€“Shell Bi@Void@C Nanospheres for High-Power-Density Sodium-Ion Batteries. Nano Letters, 2020, 20, 758-767.	4.5	129
101	Electrospinning with partially carbonization in air: Highly porous carbon nanofibers optimized for high-performance flexible lithium-ion batteries. Nano Energy, 2015, 13, 693-701.	8.2	124
102	Nanostructured electrode materials for lithium-ion and sodium-ion batteries via electrospinning. Science China Materials, 2016, 59, 287-321.	3.5	124
103	gâ€C₃N₄Derivative Artificial Organic/Inorganic Composite Solid Electrolyte Interphase Layer for Stable Lithium Metal Anode. Advanced Energy Materials, 2020, 10, 2002647.	10.2	123
104	Highly Reversible and Durable Na Storage in Niobium Pentoxide through Optimizing Structure, Composition, and Nanoarchitecture. Advanced Materials, 2017, 29, 1605607.	11.1	122
105	Electrode Materials for Rechargeable Zinc-Ion and Zinc-Air Batteries: Current Status and Future Perspectives. Electrochemical Energy Reviews, 2019, 2, 395-427.	13.1	122
106	Lithium Difluorophosphateâ€Based Dualâ€Salt Low Concentration Electrolytes for Lithium Metal Batteries. Advanced Energy Materials, 2020, 10, 2001440.	10.2	121
107	Carbonâ€Coated Li₃VO₄ Spheres as Constituents of an Advanced Anode Material for Highâ€Rate Longâ€Life Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1701571.	11.1	119
108	Ultrathin Ti₂Nb₂O₉ Nanosheets with Pseudocapacitive Properties as Superior Anode for Sodiumâ€Ion Batteries. Advanced Materials, 2018, 30, e1804378.	11.1	117

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109	Oxyvanite V₃O₅: A new intercalationâ€type anode for lithiumâ€ion battery. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 251-259.	8.5	117
110	Flexible one-dimensional carbonâ€“selenium composite nanofibers with superior electrochemical performance for Liâ€“Se/Naâ€“Se batteries. Journal of Power Sources, 2015, 281, 461-469.	4.0	116
111	Threeâ€Dimensional (3D) Bicontinuous Au/Amorphousâ€Ge Thin Films as Fast and Highâ€Capacity Anodes for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2013, 3, 281-285.	10.2	115
112	Integration of homogeneous and heterogeneous nucleation growth via 3D alloy framework for stable Na/K metal anode. EScience, 2021, 1, 75-82.	25.0	115
113	Binding S_{0.6}Se_{0.4} in 1D Carbon Nanofiber with Cï£¿S Bonding for Highâ€Performance Flexible Liâ€“S Batteries and Naâ€“S Batteries. Small, 2017, 13, 1603513.	5.2	114
114	A Sulfurâ€“Limoneneâ€Based Electrode for Lithiumâ€“Sulfur Batteries: Highâ€Performance by Selfâ€Protection. Advanced Materials, 2018, 30, e1706643.	11.1	114
115	Germanium nanoparticles encapsulated in flexible carbon nanofibers as self-supported electrodes for high performance lithium-ion batteries. Nanoscale, 2014, 6, 4532-4537.	2.8	113
116	Toward High Energy Density All Solidâ€State Sodium Batteries with Excellent Flexibility. Advanced Energy Materials, 2020, 10, 1903698.	10.2	111
117	Advances in metal phosphides for sodiumâ€ion batteries. SusMat, 2021, 1, 359-392.	7.8	109
118	Porous octahedral PdCu nanocages as highly efficient electrocatalysts for the methanol oxidation reaction. Journal of Materials Chemistry A, 2018, 6, 3906-3912.	5.2	108
119	Regulating Lithium Nucleation via CNTs Modifying Carbon Cloth Film for Stable Li Metal Anode. Small, 2019, 15, e1803734.	5.2	108
120	Binding Sulfurâ€Doped Nb₂O₅ Hollow Nanospheres on Sulfurâ€Doped Graphene Networks for Highly Reversible Sodium Storage. Advanced Functional Materials, 2018, 28, 1800394.	7.8	106
121	The State and Challenges of Anode Materials Based on Conversion Reactions for Sodium Storage. Small, 2018, 14, e1703671.	5.2	106
122	Unraveling the Nature of Excellent Potassium Storage in Smallâ€Molecule Se@Peapodâ€Like Nâ€Doped Carbon Nanofibers. Advanced Materials, 2020, 32, e2003879.	11.1	104
123	Pearling of Lipid Vesicles Induced by Nanoparticles. Journal of the American Chemical Society, 2009, 131, 14158-14159.	6.6	103
124	Multi-electron reaction materials for sodium-based batteries. Materials Today, 2018, 21, 960-973.	8.3	103
125	A Flexible Sulfurâ€Enriched Nitrogen Doped Multichannel Hollow Carbon Nanofibers Film for High Performance Sodium Storage. Small, 2018, 14, e1802218.	5.2	103
126	Red Phosphorousâ€Derived Protective Layers with High Ionic Conductivity and Mechanical Strength on Dendriteâ€Free Sodium and Potassium Metal Anodes. Advanced Energy Materials, 2021, 11, 2003381.	10.2	102

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127	Li and Na storage behavior of bowl-like hollow Co3O4 microspheres as an anode material for lithium-ion and sodium-ion batteries. Electrochimica Acta, 2014, 132, 193-199.	2.6	101
128	Nitrogen-doped 3D macroporous graphene frameworks as anode for high performance lithium-ion batteries. Journal of Power Sources, 2015, 293, 799-805.	4.0	101
129	Cross-Linking Hollow Carbon Sheet Encapsulated CuP₂ Nanocomposites for High Energy Density Sodium-Ion Batteries. ACS Nano, 2018, 12, 7018-7027.	7.3	99
130	Substrate Facet Effect on the Growth of Monolayer MoS₂ on Au Foils. ACS Nano, 2015, 9, 4017-4025.	7.3	97
131	Nanoconfined antimony in sulfur and nitrogen co-doped three-dimensionally (3D) interconnected macroporous carbon for high-performance sodium-ion batteries. Nano Energy, 2015, 18, 12-19.	8.2	97
132	An interpenetrating 3D porous reticular Nb2O5@carbon thin film for superior sodium storage. Nano Energy, 2018, 48, 448-455.	8.2	97
133	Electrospun carbonâ€“cobalt composite nanofiber as an anode material for lithium ion batteries. Scripta Materialia, 2008, 58, 405-408.	2.6	95
134	Rational Design of Graphene-Reinforced MnO Nanowires with Enhanced Electrochemical Performance for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 6303-6308.	4.0	94
135	Encapsulation of SeS₂ into Nitrogen-Doped Free-Standing Carbon Nanofiber Film Enabling Long Cycle Life and High Energy Density K-SeS₂ Battery. ACS Nano, 2019, 13, 4695-4704.	7.3	94
136	Boosting High-Performance in Lithiumâ€“Sulfur Batteries via Dilute Electrolyte. Nano Letters, 2020, 20, 5391-5399.	4.5	93
137	Singleâ€Atom Iron Anchored Tubular gâ€C₃N₄ Catalysts for Ultrafast Fentonâ€Like Reaction: Roles of Highâ€Valency Ironâ€Oxo Species and Organic Radicals. Advanced Materials, 2022, 34, .	11.1	93
138	In situ reduction and coating of SnS₂ nanobelts for free-standing SnS@polypyrrole-nanobelt/carbon-nanotube paper electrodes with superior Li-ion storage. Journal of Materials Chemistry A, 2015, 3, 5259-5265.	5.2	92
139	Modulation of T cell signaling by the actin cytoskeleton. Journal of Cell Science, 2013, 126, 1049-1058.	1.2	90
140	Vanadium-Based Materials: Next Generation Electrodes Powering the Battery Revolution?. Accounts of Chemical Research, 2020, 53, 1660-1671.	7.6	89
141	Grapheneâ€Protected 3D Sbâ€based Anodes Fabricated via Electrostatic Assembly and Confinement Replacement for Enhanced Lithium and Sodium Storage. Small, 2015, 11, 6026-6035.	5.2	87
142	Ultrathin Li₄Ti₅O₁₂ Nanosheets as Anode Materials for Lithium and Sodium Storage. ACS Applied Materials & Interfaces, 2016, 8, 16718-16726.	4.0	87
143	Freestanding CNT-modified graphitic carbon foam as a flexible anode for potassium ion batteries. Journal of Materials Chemistry A, 2019, 7, 15774-15781.	5.2	87
144	A facile strategy toward sodium-ion batteries with ultra-long cycle life and high initial Coulombic Efficiency: Free-standing porous carbon nanofiber film derived from bacterial cellulose. Energy Storage Materials, 2019, 22, 105-112.	9.5	87

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145	Carbonâ€Coated Germanium Nanowires on Carbon Nanofibers as Selfâ€Supported Electrodes for Flexible Lithiumâ€Ion Batteries. Small, 2015, 11, 2762-2767.	5.2	85
146	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. Nano-Micro Letters, 2020, 12, 67.	14.4	85
147	Frontiers for Room-Temperature Sodiumâ€“Sulfur Batteries. ACS Energy Letters, 2021, 6, 529-536.	8.8	85
148	Sulfur doped ultra-thin anatase TiO2 nanosheets/graphene nanocomposite for high-performance pseudocapacitive sodium storage. Energy Storage Materials, 2018, 12, 37-43.	9.5	85
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