Jinkui Feng

List of Publications by Year
in descending order

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252 papers	19,214 citations	7551 77 h-index	15218 126 g-index
253 all docs	253 docs citations	253 times ranked	14208 citing authors

#	Article	IF	Citations
1	Selfâ€Supported Formation of Needlelike Co₃O₄ Nanotubes and Their Application as Lithiumâ€Ion Battery Electrodes. Advanced Materials, 2008, 20, 258-262.	11.1	978
2	Enhanced Capacity and Rate Capability of Nitrogen/Oxygen Dualâ€Doped Hard Carbon in Capacitive Potassiumâ€Ion Storage. Advanced Materials, 2018, 30, 1700104.	11.1	650
3	Flexible and Free-Standing Ti₃C₂T_x MXene@Zn Paper for Dendrite-Free Aqueous Zinc Metal Batteries and Nonaqueous Lithium Metal Batteries. ACS Nano, 2019, 13, 11676-11685.	7.3	420
4	Facile Fabrication of Nitrogenâ€Doped Porous Carbon as Superior Anode Material for Potassiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1802386.	10.2	393
5	Oneâ€Step Construction of N,Pâ€Codoped Porous Carbon Sheets/CoP Hybrids with Enhanced Lithium and Potassium Storage. Advanced Materials, 2018, 30, e1802310.	11.1	376
6	Embedding MnO@Mn₃O₄ Nanoparticles in an Nâ€Dopedâ€Carbon Framework Derived from Mnâ€Organic Clusters for Efficient Lithium Storage. Advanced Materials, 2018, 30, 1704244.	11.1	374
7	Enhancing the cycling stability of Na-ion batteries by bonding SnS₂ultrafine nanocrystals on amino-functionalized graphene hybrid nanosheets. Energy and Environmental Science, 2016, 9, 1430-1438.	15.6	312
8	Hollow nanospheres of mesoporous Co 9 S 8 as a high-capacity and long-life anode for advanced lithium ion batteries. Nano Energy, 2015, 12, 528-537.	8.2	303
9	Commercial expanded graphite as a lowâ€“cost, long-cycling life anode for potassiumâ€“ion batteries with conventional carbonate electrolyte. Journal of Power Sources, 2018, 378, 66-72.	4.0	299
10	Advances and Perspectives of Cathode Storage Chemistry in Aqueous Zinc-Ion Batteries. ACS Nano, 2021, 15, 9244-9272.	7.3	272
11	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. ACS Nano, 2018, 12, 4993-5002.	7.3	269
12	MnO2 nanotube and nanowire arrays by electrochemical deposition for supercapacitors. Journal of Power Sources, 2010, 195, 4410-4413.	4.0	262
13	Hierarchical Porous Nanosheets Constructed by Grapheneâ€Coated, Interconnected TiO₂ Nanoparticles for Ultrafast Sodium Storage. Advanced Materials, 2018, 30, 1705788.	11.1	247
14	Flexible and Freestanding Silicon/MXene Composite Papers for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 10004-10011.	4.0	241
15	The morphology-controlled synthesis of a nanoporous-antimony anode for high-performance sodium-ion batteries. Energy and Environmental Science, 2016, 9, 1229-1236.	15.6	230
16	Emerging Catalysts to Promote Kinetics of Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2002893.	10.2	228
17	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. ACS Nano, 2018, 12, 12932-12940.	7.3	223
18	Vacuum distillation derived 3D porous current collector for stable lithiumâ€“metal batteries. Nano Energy, 2018, 47, 503-511.	8.2	221

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19	Boosting Zinc-Ion Storage Capability by Effectively Suppressing Vanadium Dissolution Based on Robust Layered Barium Vanadate. Nano Letters, 2020, 20, 2899-2906.	4.5	208
20	Hierarchical Carbon Nanotubes with a Thick Microporous Wall and Inner Channel as Efficient Scaffolds for Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2016, 26, 1571-1579.	7.8	177
21	Ultrasmall SnS₂nanoparticles anchored on well-distributed nitrogen-doped graphene sheets for Li-ion and Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10719-10726.	5.2	177
22	Sole Chemical Confinement of Polysulfides on Nonporous Nitrogen/Oxygen Dualâ€Doped Carbon at the Kilogram Scale for Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2017, 27, 1604265.	7.8	173
23	A controlled red phosphorus@Niâ€“P core@shell nanostructure as an ultralong cycle-life and superior high-rate anode for sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1222-1233.	15.6	170
24	Rational Design of Sulfur-Doped Three-Dimensional Ti₃C₂T_x MXene/ZnS Heterostructure as Multifunctional Protective Layer for Dendrite-Free Zinc-Ion Batteries. ACS Nano, 2021, 15, 15259-15273.	7.3	167
25	A general method for constructing robust, flexible and freestanding MXene@metal anodes for high-performance potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 9716-9725.	5.2	162
26	Stable Aqueous Anodeâ€Free Zinc Batteries Enabled by Interfacial Engineering. Advanced Functional Materials, 2021, 31, 2101886.	7.8	162
27	Porosityâ€and Graphitizationâ€Controlled Fabrication of Nanoporous Silicon@Carbon for Lithium Storage and Its Conjugation with MXene for Lithiumâ€Metal Anode. Advanced Functional Materials, 2020, 30, 1908721.	7.8	159
28	Oxygen Defects Engineering of VO₂Â·xH₂O Nanosheets via In Situ Polypyrrole Polymerization for Efficient Aqueous Zinc Ion Storage. Advanced Functional Materials, 2021, 31, 2103070.	7.8	153
29	Nitrogenâ€Doped Grapheneâ€Supported Mixed Transitionâ€Metal Oxide Porous Particles to Confine Polysulfides for Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1800595.	10.2	151
30	Sulfiphilic Fewâ€Layered MoSe₂ Nanoflakes Decorated rGO as a Highly Efficient Sulfur Host for Lithiumâ€Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1901896.	10.2	147
31	Reversible zinc-based anodes enabled by zincophilic antimony engineered MXene for stable and dendrite-free aqueous zinc batteries. Energy Storage Materials, 2021, 41, 343-353.	9.5	145
32	High performance graphene oxide nanofiltration membrane prepared by electrospraying for wastewater purification. Carbon, 2018, 130, 487-494.	5.4	144
33	Graphene oxide based membrane intercalated by nanoparticles for high performance nanofiltration application. Chemical Engineering Journal, 2018, 347, 12-18.	6.6	143
34	Scalable and Physical Synthesis of 2D Silicon from Bulk Layered Alloy for Lithium-Ion Batteries and Lithium Metal Batteries. ACS Nano, 2019, 13, 13690-13701.	7.3	143
35	Recent Advances of Emerging 2D MXene for Stable and Dendriteâ€Free Metal Anodes. Advanced Functional Materials, 2020, 30, 2004613.	7.8	140
36	Scalable and Controllable Synthesis of Interface-Engineered Nanoporous Host for Dendrite-Free and High Rate Zinc Metal Batteries. ACS Nano, 2021, 15, 11828-11842.	7.3	140

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37	Porous mixed metal oxides: design, formation mechanism, and application in lithium-ion batteries. Nanoscale, 2015, 7, 17211-17230.	2.8	139
38	A large-area free-standing graphene oxide multilayer membrane with high stability for nanofiltration applications. Chemical Engineering Journal, 2018, 345, 536-544.	6.6	136
39	Atomic Tungsten on Graphene with Unique Coordination Enabling Kinetically Boosted Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2021, 60, 15563-15571.	7.2	136
40	Rationally Incorporated MoS₂/SnS₂ Nanoparticles on Graphene Sheets for Lithium-Ion and Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 27697-27706.	4.0	134
41	Morphology- and Porosity-Tunable Synthesis of 3D Nanoporous SiGe Alloy as a High-Performance Lithium-Ion Battery Anode. ACS Nano, 2018, 12, 2900-2908.	7.3	133
42	Nanoporous germanium as high-capacity lithium-ion battery anode. Nano Energy, 2015, 13, 651-657.	8.2	131
43	Lithium Dendrite Suppression and Enhanced Interfacial Compatibility Enabled by an Ex Situ SEI on Li Anode for LAGP-Based All-Solid-State Batteries. ACS Applied Materials & Interfaces, 2018, 10, 18610-18618.	4.0	123
44	Unusual Formation of CoO@C â€œDandelionsâ€•Derived from 2D KagÃ³me MOLs for Efficient Lithium Storage. Advanced Energy Materials, 2018, 8, 1703242.	10.2	122
45	Layered (NH₄)₂V₆O₁₆Â·1.5H₂O nanobelts as a high-performance cathode for aqueous zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 19130-19139.	5.2	121
46	Amorphous Zn2GeO4 nanoparticles as anodes with high reversible capacity and long cycling life for Li-ion batteries. Nano Energy, 2013, 2, 498-504.	8.2	120
47	Nanoporous Red Phosphorus on Reduced Graphene Oxide as Superior Anode for Sodium-Ion Batteries. ACS Nano, 2018, 12, 7380-7387.	7.3	120
48	Large-scale synthesis of Co₂V₂O₇ hexagonal microplatelets under ambient conditions for highly reversible lithium storage. Journal of Materials Chemistry A, 2015, 3, 16728-16736.	5.2	116
49	Heteroatom-doped 3D porous carbon architectures for highly stable aqueous zinc metal batteries and non-aqueous lithium metal batteries. Chemical Engineering Journal, 2020, 400, 125843.	6.6	115
50	Flexible all-solid-state supercapacitors based on freestanding, binder-free carbon nanofibers@polypyrrole@graphene film. Chemical Engineering Journal, 2018, 334, 184-190.	6.6	113
51	In Situ Electrochemically Activated Vanadium Oxide Cathode for Advanced Aqueous Zn-Ion Batteries. Nano Letters, 2022, 22, 119-127.	4.5	113
52	Hierarchical Microcables Constructed by CoP@CâŠ‚Carbon Framework Intertwined with Carbon Nanotubes for Efficient Lithium Storage. Advanced Energy Materials, 2020, 10, 1902913.	10.2	112
53	Recent Advances and Perspectives of Znâ€Metal Free â€œRockingâ€Chairâ€•Type Znâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2002529.	10.2	111
54	Core-shell structured carbon nanofibers yarn@polypyrrole@graphene for high performance all-solid-state fiber supercapacitors. Carbon, 2018, 138, 264-270.	5.4	110

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55	Stable all-solid-state potassium battery operating at room temperature with a composite polymer electrolyte and a sustainable organic cathode. Journal of Power Sources, 2018, 399, 294-298.	4.0	109
56	Recently advances and perspectives of anode-free rechargeable batteries. Nano Energy, 2020, 78, 105344.	8.2	108
57	Two-Dimensional Silicon/Carbon from Commercial Alloy and CO₂ for Lithium Storage and Flexible Ti₃C₂T_x MXene-Based Lithiumâ€“Metal Batteries. ACS Nano, 2020, 14, 17574-17588.	7.3	108
58	Design of Robust, Lithiophilic, and Flexible Inorganicâ€Polymer Protective Layer by Separator Engineering Enables Dendriteâ€Free Lithium Metal Batteries with LiNi_{0.8}Mn_{0.1}Co_{0.1}O₂ Cathode. Small, 2021, 17, e2007717.	5.2	108
59	Micron-Sized Nanoporous Vanadium Pentoxide Arrays for High-Performance Gel Zinc-Ion Batteries and Potassium Batteries. Chemistry of Materials, 2020, 32, 4054-4064.	3.2	105
60	Effects of Fermented Soybean Meal on Digestive Enzyme Activities and Intestinal Morphology in Broilers. Poultry Science, 2007, 86, 1149-1154.	1.5	104
61	Advanced arrayed bismuth nanorod bundle anode for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10098-10104.	5.2	104
62	Aluminum/graphene composites with enhanced heat-dissipation properties by in-situ reduction of graphene oxide on aluminum particles. Journal of Alloys and Compounds, 2018, 748, 854-860.	2.8	103
63	Highly Reversible Zn Metal Anodes Enabled by Freestanding, Lightweight, and Zincophilic MXene/Nanoporous Oxide Heterostructure Engineered Separator for Flexible Zn-MnO₂ Batteries. ACS Nano, 2022, 16, 6755-6770.	7.3	103
64	Chemical dealloying synthesis of porous silicon anchored by in situ generated graphene sheets as anode material for lithium-ion batteries. Journal of Power Sources, 2015, 287, 177-183.	4.0	102
65	Isotropic Li nucleation and growth achieved by an amorphous liquid metal nucleation seed on MXene framework for dendrite-free Li metal anode. Energy Storage Materials, 2020, 26, 223-233.	9.5	100
66	Ultrafine TiO₂ Confined in Porous-Nitrogen-Doped Carbon from Metalâ€“Organic Frameworks for High-Performance Lithium Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 12400-12407.	4.0	99
67	Flexible and stable 3D lithium metal anodes based on self-standing MXene/COF frameworks for high-performance lithium-sulfur batteries. Nano Research, 2021, 14, 3576-3584.	5.8	95
68	Recent advances and perspectives in stable and dendrite-free potassium metal anodes. Energy Storage Materials, 2020, 30, 206-227.	9.5	95
69	A titanium-based metalâ€“organic framework as an ultralong cycle-life anode for PIBs. Chemical Communications, 2017, 53, 8360-8363.	2.2	94
70	Uniform Li deposition by regulating the initial nucleation barrierviaa simple liquid-metal coating for a dendrite-free Liâ€“metal anode. Journal of Materials Chemistry A, 2019, 7, 18861-18870.	5.2	93
71	Dealloying: An effective method for scalable fabrication of 0D, 1D, 2D, 3D materials and its application in energy storage. Nano Today, 2021, 37, 101094.	6.2	93
72	Integrating Bi@C Nanospheres in Porous Hard Carbon Frameworks for Ultrafast Sodium Storage. Advanced Materials, 2022, 34, e2202673.	11.1	93

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73	Enhanced rate performance and cycling stability of a CoCO3â€“polypyrrole composite for lithium ion battery anodes. Journal of Materials Chemistry A, 2013, 1, 11200.	5.2	91
74	Effect of Fermented Soybean Meal on Intestinal Morphology and Digestive Enzyme Activities in Weaned Piglets. Digestive Diseases and Sciences, 2007, 52, 1845-1850.	1.1	88
75	Li7P3S11/poly(ethylene oxide) hybrid solid electrolytes with excellent interfacial compatibility for all-solid-state batteries. Journal of Power Sources, 2018, 400, 212-217.	4.0	88
76	Selenium in nitrogen-doped microporous carbon spheres for high-performance lithiumâ€“selenium batteries. Journal of Materials Chemistry A, 2015, 3, 4539-4546.	5.2	87
77	Interfacial passivation by room-temperature liquid metal enabling stable 5 V-class lithium-metal batteries in commercial carbonate-based electrolyte. Energy Storage Materials, 2021, 34, 12-21.	9.5	85
78	Metalâ€“Organic Framework Derived Iron Sulfideâ€“Carbon Coreâ€“Shell Nanorods as a Conversion-Type Battery Material. ACS Sustainable Chemistry and Engineering, 2017, 5, 5039-5048.	3.2	82
79	3D Co₃O₄and CoO@C wall arrays: morphology control, formation mechanism, and lithium-storage properties. Journal of Materials Chemistry A, 2014, 2, 11597.	5.2	81
80	Roomâ€Temperature Liquid Metal Confined in MXene Paper as a Flexible, Freestanding, and Binderâ€Free Anode for Nextâ€Generation Lithiumâ€Ion Batteries. Small, 2019, 15, e1903214.	5.2	79
81	Mesoporous quasi-single-crystalline NiCo₂O₄ superlattice nanoribbons with optimizable lithium storage properties. Journal of Materials Chemistry A, 2015, 3, 10336-10344.	5.2	78
82	Quantumâ€Matter Bi/TiO₂ Heterostructure Embedded in Nâ€Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. Small Structures, 2021, 2, 2000085.	6.9	77
83	One-Step, Vacuum-Assisted Construction of Micrometer-Sized Nanoporous Silicon Confined by Uniform Two-Dimensional N-Doped Carbon toward Advanced Li Ion and MXene-Based Li Metal Batteries. ACS Nano, 2022, 16, 4560-4577.	7.3	75
84	Recent advances and perspectives of 2D silicon: Synthesis and application for energy storage and conversion. Energy Storage Materials, 2020, 32, 115-150.	9.5	74
85	Walnut-inspired microsized porous silicon/graphene coreâ€“shell composites for high-performance lithium-ion battery anodes. Nano Research, 2017, 10, 4274-4283.	5.8	72
86	Long-life and dendrite-free zinc metal anode enabled by a flexible, green and self-assembled zincophilic biomass engineered MXene based interface. Chemical Engineering Journal, 2022, 431, 134277.	6.6	72
87	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. ACS Nano, 2021, 15, 12741-12767.	7.3	71
88	Hierarchical Octahedra Constructed by Cu₂S/MoS₂âŠ,Carbon Framework with Enhanced Sodium Storage. Small, 2020, 16, e2000952.	5.2	70
89	Triple-walled SnO₂@N-doped carbon@SnO₂ nanotubes as an advanced anode material for lithium and sodium storage. Journal of Materials Chemistry A, 2015, 3, 23194-23200.	5.2	68
90	Sandwich Structures Constructed by ZnSeâŠ,Nâ€C@MoSe₂ Located in Graphene for Efficient Sodium Storage. Advanced Energy Materials, 2020, 10, 2002298.	10.2	67

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91	Controllable Phosphorylation Strategy for Free-Standing Phosphorus/Nitrogen Cofunctionalized Porous Carbon Monoliths as High-Performance Potassium Ion Battery Anodes. ACS Nano, 2020, 14, 14057-14069.	7.3	67
92	Recent advance of biomass-derived carbon as anode for sustainable potassium ion battery. Chemical Engineering Journal, 2021, 405, 126897.	6.6	66
93	Multifunctional CoO@C metasequoia arrays for enhanced lithium storage. Nano Energy, 2014, 7, 52-62.	8.2	65
94	Dendrite-free Li metal anode enabled by a 3D free-standing lithiophilic nitrogen-enriched carbon sponge. Journal of Power Sources, 2018, 386, 77-84.	4.0	65
95	High-performance red phosphorus/carbon nanofibers/graphene free-standing paper anode for sodium ion batteries. Journal of Materials Chemistry A, 2018, 6, 1574-1581.	5.2	65
96	Nonflammable electrolyte for safer non-aqueous sodium batteries. Journal of Materials Chemistry A, 2015, 3, 14539-14544.	5.2	64
97	Tunable synthesis of LixMnO2 nanowires for aqueous Li-ion hybrid supercapacitor with high rate capability and ultra-long cycle life. Journal of Power Sources, 2019, 413, 302-309.	4.0	63
98	Bonding VSe2 ultrafine nanocrystals on graphene toward advanced lithium-sulfur batteries. Nano Research, 2020, 13, 2673-2682.	5.8	62
99	Functional regeneration of tendons using scaffolds with physical anisotropy engineered via microarchitectural manipulation. Science Advances, 2018, 4, eaat4537.	4.7	61
100	Recent progress, mechanisms, and perspectives for crystal and interface chemistry applying to the Zn metal anodes in aqueous zincâ€ion batteries. SusMat, 2022, 2, 114-141.	7.8	60
101	A Highâ€Rate and Ultrastable Aqueous Zincâ€Ion Battery with a Novel MgV₂O₆·1.7H₂O Nanobelt Cathode. Small, 2021, 17, e2100318.	5.2	58
102	Nonflammable Fluorinated Carbonate Electrolyte with High Salt-to-Solvent Ratios Enables Stable Silicon-Based Anode for Next-Generation Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 23229-23235.	4.0	57
103	Safe all-solid-state potassium batteries with three dimentional, flexible and binder-free metal sulfide array electrode. Journal of Power Sources, 2019, 433, 226697.	4.0	57
104	ZnO/CoO and ZnCo2O4 Hierarchical Bipyramid Nanoframes: Morphology Control, Formation Mechanism, and Their Lithium Storage Properties. ACS Applied Materials & Interfaces, 2015, 7, 22848-22857.	4.0	56
105	Crumpled Ti3C2Tx (MXene) nanosheet encapsulated LiMn2O4 for high performance lithium-ion batteries. Electrochimica Acta, 2019, 309, 362-370.	2.6	56
106	WSe₂ Flakelets on Nâ€Doped Graphene for Accelerating Polysulfide Redox and Regulating Li Plating. Angewandte Chemie - International Edition, 2022, 61, .	7.2	56
107	Oneâ€Step In Situ Formation of Nâ€doped Carbon Nanosheet 3D Porous Networks/TiO₂ Hybrids with Ultrafast Sodium Storage. Advanced Energy Materials, 2019, 9, 1803070.	10.2	55
108	Ether-based nonflammable electrolyte for room temperature sodium battery. Journal of Power Sources, 2015, 284, 222-226.	4.0	54

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109	Synergic mechanism of adsorption and metal-free catalysis for phenol degradation by N-doped graphene aerogel. Chemosphere, 2018, 191, 389-399.	4.2	54
110	Artificial Solid Electrolyte Interphase Coating to Reduce Lithium Trapping in Silicon Anode for High Performance Lithiumâ€Ion Batteries. Advanced Materials Interfaces, 2019, 6, 1901187.	1.9	54
111	Sandwichâ€Like FeCl₃@C as Highâ€Performance Anode Materials for Potassiumâ€Ion Batteries. Advanced Materials Interfaces, 2018, 5, 1800606.	1.9	53
112	Understanding the interactions of phosphonate-based flame-retarding additives with graphitic anode for lithium ion batteries. Electrochimica Acta, 2013, 114, 688-692.	2.6	52
113	Design of safe, long-cycling and high-energy lithium metal anodes in all working conditions: Progress, challenges and perspectives. Energy Storage Materials, 2021, 38, 157-189.	9.5	52
114	Carboxylated carbon nanotube anchored MnCO3 nanocomposites as anode materials for advanced lithium-ion batteries. Materials Letters, 2013, 111, 165-168.	1.3	51
115	Stable and Safe Lithium Metal Batteries with Ni-Rich Cathodes Enabled by a High Efficiency Flame Retardant Additive. Journal of the Electrochemical Society, 2019, 166, A2736-A2740.	1.3	51
116	Facile synthesis ofÂN,O-codoped hard carbon on the kilogram scale for fast capacitive sodium storage. Journal of Materials Chemistry A, 2018, 6, 16465-16474.	5.2	50
117	Dualâ€Functional NbN Ultrafine Nanocrystals Enabling Kinetically Boosted Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2022, 32, .	7.8	49
118	Metalâ€“organic framework-derived graphene@nitrogen doped carbon@ultrafine TiO₂ nanocomposites as high rate and long-life anodes for sodium ion batteries. Chemical Communications, 2016, 52, 12810-12812.	2.2	48
119	Green and tunable fabrication of graphene-like N-doped carbon on a 3D metal substrate as a binder-free anode for high-performance potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 21966-21975.	5.2	48
120	Non-Flammable Phosphate Electrolyte with High Salt-to-Solvent Ratios for Safe Potassium-Ion Battery. Journal of the Electrochemical Society, 2019, 166, A1217-A1222.	1.3	48
121	Composite solid electrolyte of Na3PS4-PEO for all-solid-state SnS2/Na batteries with excellent interfacial compatibility between electrolyte and Na metal. Journal of Energy Chemistry, 2020, 41, 73-78.	7.1	48
122	One-pot solvothermal synthesis of graphene wrapped rice-like ferrous carbonate nanoparticles as anode materials for high energy lithium-ion batteries. Nanoscale, 2015, 7, 232-239.	2.8	46
123	Nanostructured LiMn2O4 composite as high-rate cathode for high performance aqueous Li-ion hybrid supercapacitors. Journal of Power Sources, 2018, 392, 116-122.	4.0	46
124	MXene/Organics Heterostructures Enable Ultrastable and High-Rate Lithium/Sodium Batteries. ACS Applied Materials & Interfaces, 2022, 14, 2979-2988.	4.0	46
125	Highly reversible Mg metal anodes enabled by interfacial liquid metal engineering for high-energy Mg-S batteries. Energy Storage Materials, 2022, 48, 447-457.	9.5	46
126	Stable and dendrite-free lithium metal anodes enabled by carbon paper incorporated with ultrafine lithiophilic TiO2 derived from MXene and carbon dioxide. Chemical Engineering Journal, 2021, 406, 126836.	6.6	45

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127	Nanostructured V2O5 arrays on metal substrate as binder free cathode materials for sodium-ion batteries. Electrochimica Acta, 2015, 182, 769-774.	2.6	44
128	Lithium metal protection enabled by in-situ olefin polymerization for high-performance secondary lithium sulfur batteries. Journal of Power Sources, 2017, 363, 193-198.	4.0	43
129	In Situ Synthesis of a Lithiophilic Ag-Nanoparticles-Decorated 3D Porous Carbon Framework toward Dendrite-Free Lithium Metal Anodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 15219-15227.	3.2	43
130	Vacancy and architecture engineering of porous FeP nanorods for achieving superior Li+ storage. Chemical Engineering Journal, 2022, 429, 132249.	6.6	43
131	NASICON-Structured LiGe₂(PO₄)₃ with Improved Cyclability for High-Performance Lithium Batteries. Journal of Physical Chemistry C, 2009, 113, 20514-20520.	1.5	42
132	Building stable solid electrolyte interphases (SEI) for microsized silicon anode and 5V-class cathode with salt engineered nonflammable phosphate-based lithium-ion battery electrolyte. Applied Surface Science, 2021, 553, 149566.	3.1	42
133	Constructing ultrafine lithiophilic layer on MXene paper by sputtering for stable and flexible 3D lithium metal anode. Chemical Engineering Journal, 2021, 421, 129685.	6.6	42
134	Graphene encapsulated Fe₃O₄ nanorods assembled into a mesoporous hybrid composite used as a high-performance lithium-ion battery anode material. Materials Chemistry Frontiers, 2017, 1, 1185-1193.	3.2	41
135	Scalable construction of SiO/wrinkled MXene composite by a simple electrostatic self-assembly strategy as anode for high-energy lithium-ion batteries. Chinese Chemical Letters, 2020, 31, 980-983.	4.8	41
136	Ni₁₂P₅ nanoparticles bound on graphene sheets for advanced lithiumâ€“sulfur batteries. Nanoscale, 2020, 12, 10760-10770.	2.8	40
137	Reduced graphene oxide decorated Pt activated SnO2 nanoparticles for enhancing methanol sensing performance. Journal of Alloys and Compounds, 2018, 762, 8-15.	2.8	39
138	One-Step Construction of MoS_{0.74}Se_{1.26}/N-Doped Carbon Flower-like Hierarchical Microspheres with Enhanced Sodium Storage. ACS Applied Materials & Interfaces, 2019, 11, 44342-44351.	4.0	39
139	MXenes and their derivatives for advanced aqueous rechargeable batteries. Materials Today, 2022, 52, 225-249.	8.3	39
140	Tea polyphenols inactivate Cronobacter sakazakii isolated from powdered infant formula. Journal of Dairy Science, 2016, 99, 1019-1028.	1.4	38
141	Porosity controlled synthesis of nanoporous silicon by chemical dealloying as anode for high energy lithium-ion batteries. Journal of Colloid and Interface Science, 2019, 554, 674-681.	5.0	38
142	Integrated nanocomposite of LiMn2O4/graphene/carbon nanotubes with pseudocapacitive properties as superior cathode for aqueous hybrid capacitors. Journal of Electroanalytical Chemistry, 2019, 842, 74-81.	1.9	38
143	MXenes for advanced separator in rechargeable batteries. Materials Today, 2022, 57, 146-179.	8.3	38
144	In situ study of topography, phase and volume changes of titanium dioxide anode in all-solid-state thin film lithium-ion battery by biased scanning probe microscopy. Journal of Power Sources, 2012, 197, 224-230.	4.0	37

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145	Hollow nanoporous red phosphorus as an advanced anode for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 12992-12998.	5.2	36
146	Immobilizing VN ultrafine nanocrystals on N-doped carbon nanosheets enable multiple effects for high-rate lithiumâ€"sulfur batteries. Nano Research, 2022, 15, 1424-1432.	5.8	35
147	Review of room-temperature liquid metals for advanced metal anodes in rechargeable batteries. Energy Storage Materials, 2022, 50, 473-494.	9.5	35
148	A novel bifunctional additive for safer lithium ion batteries. Journal of Power Sources, 2013, 243, 29-32.	4.0	34
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