Jinkui Feng

List of Publications by Citations

245 papers	12,206 citations	60 h-index	101 g-index
253 ext. papers	15,658 ext. citations	10.6 avg, IF	7.12 L-index

#	Paper	IF	Citations
245	Self-Supported Formation of Needlelike Co3O4 Nanotubes and Their Application as Lithium-Ion Battery Electrodes. *Advanced Materials*, **2008**, 20, 258-262	24	900
244	Enhanced Capacity and Rate Capability of Nitrogen/Oxygen Dual-Doped Hard Carbon in Capacitive Potassium-Ion Storage. *Advanced Materials*, **2018**, 30, 1700104	24	499
243	Embedding MnO@Mn O Nanoparticles in an N-Doped-Carbon Framework Derived from Mn-Organic Clusters for Efficient Lithium Storage. *Advanced Materials*, **2018**, 30, 1704244	24	280
242	One-Step Construction of N,P-Codoped Porous Carbon Sheets/CoP Hybrids with Enhanced Lithium and Potassium Storage. *Advanced Materials*, **2018**, 30, e1802310	24	278
241	Enhancing the cycling stability of Na-ion batteries by bonding SnS2 ultrafine nanocrystals on amino-functionalized graphene hybrid nanosheets. *Energy and Environmental Science*, **2016**, 9, 1430-1438	35.4	277
240	Facile Fabrication of Nitrogen-Doped Porous Carbon as Superior Anode Material for Potassium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1802386	21.8	267
239	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	17.1	256
238	MnO2 nanotube and nanowire arrays by electrochemical deposition for supercapacitors. *Journal of Power Sources*, **2010**, 195, 4410-4413	8.9	234
237	Flexible and Free-Standing TiCT MXene@Zn Paper for Dendrite-Free Aqueous Zinc Metal Batteries and Nonaqueous Lithium Metal Batteries. *ACS Nano*, **2019**, 13, 11676-11685	16.7	213
236	Commercial expanded graphite as a low-cost, long-cycling life anode for potassium-ion batteries with conventional carbonate electrolyte. *Journal of Power Sources*, **2018**, 378, 66-72	8.9	208
235	The morphology-controlled synthesis of a nanoporous-antimony anode for high-performance sodium-ion batteries. *Energy and Environmental Science*, **2016**, 9, 1229-1236	35.4	195
234	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. *ACS Nano*, **2018**, 12, 4993-5002	16.7	193
233	Hierarchical Porous Nanosheets Constructed by Graphene-Coated, Interconnected TiO Nanoparticles for Ultrafast Sodium Storage. *Advanced Materials*, **2018**, 30, 1705788	24	191
232	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. *ACS Nano*, **2018**, 12, 12932-12940	16.7	167
231	Vacuum distillation derived 3D porous current collector for stable lithium-metal batteries. *Nano Energy*, **2018**, 47, 503-511	17.1	165
230	Hierarchical Carbon Nanotubes with a Thick Microporous Wall and Inner Channel as Efficient Scaffolds for Lithium-Sulfur Batteries. *Advanced Functional Materials*, **2016**, 26, 1571-1579	15.6	162
229	Sole Chemical Confinement of Polysulfides on Nonporous Nitrogen/Oxygen Dual-Doped Carbon at the Kilogram Scale for Lithium-Sulfur Batteries. *Advanced Functional Materials*, **2017**, 27, 1604265	15.6	157

228	Flexible and Freestanding Silicon/MXene Composite Papers for High-Performance Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 10004-10011	9.5	154
227	A controlled red phosphorus@NiP 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	35.4	146
226	Ultrasmall SnS2 nanoparticles anchored on well-distributed nitrogen-doped graphene sheets for Li-ion and Na-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 10719-10726	13	144
225	Porous mixed metal oxides: design, formation mechanism, and application in lithium-ion batteries. *Nanoscale*, **2015**, 7, 17211-30	7.7	115
224	Nanoporous germanium as high-capacity lithium-ion battery anode. *Nano Energy*, **2015**, 13, 651-657	17.1	114
223	Amorphous Zn2GeO4 nanoparticles as anodes with high reversible capacity and long cycling life for Li-ion batteries. *Nano Energy*, **2013**, 2, 498-504	17.1	112
222	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	13	110
221	Rationally Incorporated MoS/SnS Nanoparticles on Graphene Sheets for Lithium-Ion and Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 27697-27706	9.5	106
220	Nitrogen-Doped Graphene-Supported Mixed Transition-Metal Oxide Porous Particles to Confine Polysulfides for LithiumSulfur Batteries. *Advanced Energy Materials*, **2018**, 8, 1800595	21.8	105
219	High performance graphene oxide nanofiltration membrane prepared by electrospraying for wastewater purification. *Carbon*, **2018**, 130, 487-494	10.4	104
218	Unusual Formation of CoO@C Dandelions Derived from 2D Kagme MOLs for Efficient Lithium Storage. *Advanced Energy Materials*, **2018**, 8, 1703242	21.8	103
217	A large-area free-standing graphene oxide multilayer membrane with high stability for nanofiltration applications. *Chemical Engineering Journal*, **2018**, 345, 536-544	14.7	102
216	Graphene oxide based membrane intercalated by nanoparticles for high performance nanofiltration application. *Chemical Engineering Journal*, **2018**, 347, 12-18	14.7	99
215	Morphology- and Porosity-Tunable Synthesis of 3D Nanoporous SiGe Alloy as a High-Performance Lithium-Ion Battery Anode. *ACS Nano*, **2018**, 12, 2900-2908	16.7	99
214	Boosting Zinc-Ion Storage Capability by Effectively Suppressing Vanadium Dissolution Based on Robust Layered Barium Vanadate. *Nano Letters*, **2020**, 20, 2899-2906	11.5	97
213	Large-scale synthesis of Co2V2O7 hexagonal microplatelets under ambient conditions for highly reversible lithium storage. *Journal of Materials Chemistry A*, **2015**, 3, 16728-16736	13	96
212	Nanoporous Red Phosphorus on Reduced Graphene Oxide as Superior Anode for Sodium-Ion Batteries. *ACS Nano*, **2018**, 12, 7380-7387	16.7	93
211	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	8.9	88

210	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	16.7	88
209	Flexible all-solid-state supercapacitors based on freestanding, binder-free carbon nanofibers@polypyrrole@graphene film. *Chemical Engineering Journal*, **2018**, 334, 184-190	14.7	86
208	Core-shell structured carbon nanofibers yarn@polypyrrole@graphene for high performance all-solid-state fiber supercapacitors. *Carbon*, **2018**, 138, 264-270	10.4	86
207	Porosity- and Graphitization-Controlled Fabrication of Nanoporous Silicon@Carbon for Lithium Storage and Its Conjugation with MXene for Lithium-Metal Anode. *Advanced Functional Materials*, **2020**, 30, 1908721	15.6	85
206	Emerging Catalysts to Promote Kinetics of Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2021**, 11, 2002893	21.8	85
205	Sulfiphilic Few-Layered MoSe2 Nanoflakes Decorated rGO as a Highly Efficient Sulfur Host for Lithium-Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1901896	21.8	84
204	Ultrafine TiO Confined in Porous-Nitrogen-Doped Carbon from Metal-Organic Frameworks for High-Performance Lithium Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 12400-12407	9.5	80
203	Advanced arrayed bismuth nanorod bundle anode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 10098-10104	13	80
202	Enhanced rate performance and cycling stability of a CoCO3–polypyrrole composite for lithium ion battery anodes. *Journal of Materials Chemistry A*, **2013**, 1, 11200	13	80
201	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	9.5	78
200	Selenium in nitrogen-doped microporous carbon spheres for high-performance lithium–selenium batteries. *Journal of Materials Chemistry A*, **2015**, 3, 4539-4546	13	78
199	A titanium-based metal-organic framework as an ultralong cycle-life anode for PIBs. *Chemical Communications*, **2017**, 53, 8360-8363	5.8	77
198	3D Co3O4 and CoO@C wall arrays: morphology control, formation mechanism, and lithium-storage properties. *Journal of Materials Chemistry A*, **2014**, 2, 11597	13	76
197	Layered (NH4)2V6O16·1.5H2O nanobelts as a high-performance cathode for aqueous zinc-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 19130-19139	13	72
196	Effects of fermented soybean meal on digestive enzyme activities and intestinal morphology in broilers. *Poultry Science*, **2007**, 86, 1149-54	3.9	72
195	Mesoporous quasi-single-crystalline NiCo2O4 superlattice nanoribbons with optimizable lithium storage properties. *Journal of Materials Chemistry A*, **2015**, 3, 10336-10344	13	70
194	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	5.7	70
193	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	8.9	70

192	Effect of fermented soybean meal on intestinal morphology and digestive enzyme activities in weaned piglets. *Digestive Diseases and Sciences*, **2007**, 52, 1845-50	4	69
191	Metal□Organic Framework Derived Iron Sulfide□Carbon Core□Shell Nanorods as a Conversion-Type Battery Material. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5039-5048	8.3	64
190	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	13	64
189	Hierarchical Microcables Constructed by CoP@C?Carbon Framework Intertwined with Carbon Nanotubes for Efficient Lithium Storage. *Advanced Energy Materials*, **2020**, 10, 1902913	21.8	64
188	Uniform Li deposition by regulating the initial nucleation barrier via a simple liquid-metal coating for a dendrite-free Li□metal anode. *Journal of Materials Chemistry A*, **2019**, 7, 18861-18870	13	62
187	Micron-Sized Nanoporous Vanadium Pentoxide Arrays for High-Performance Gel Zinc-Ion Batteries and Potassium Batteries. *Chemistry of Materials*, **2020**, 32, 4054-4064	9.6	62
186	Multifunctional CoO@C metasequoia arrays for enhanced lithium storage. *Nano Energy*, **2014**, 7, 52-62	17.1	60
185	Walnut-inspired microsized porous silicon/graphene core□shell composites for high-performance lithium-ion battery anodes. *Nano Research*, **2017**, 10, 4274-4283	10	58
184	Recent Advances of Emerging 2D MXene for Stable and Dendrite-Free Metal Anodes. *Advanced Functional Materials*, **2020**, 30, 2004613	15.6	58
183	Advances and Perspectives of Cathode Storage Chemistry in Aqueous Zinc-Ion Batteries. *ACS Nano*, **2021**, 15, 9244-9272	16.7	58
182	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	19.4	57
181	Recent Advances and Perspectives of Zn-Metal Free R□ocking-Chair□Type Zn-Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2002529	21.8	52
180	Li7P3S11/poly(ethylene oxide) hybrid solid electrolytes with excellent interfacial compatibility for all-solid-state batteries. *Journal of Power Sources*, **2018**, 400, 212-217	8.9	51
179	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	14.7	50
178	Dendrite-free Li metal anode enabled by a 3D free-standing lithiophilic nitrogen-enriched carbon sponge. *Journal of Power Sources*, **2018**, 386, 77-84	8.9	50
177	ZnO/CoO and ZnCo2O4 Hierarchical Bipyramid Nanoframes: Morphology Control, Formation Mechanism, and Their Lithium Storage Properties. *ACS Applied Materials & Interfaces*, **2015**, 7, 22848-57	9.5	49
176	Design of Robust, Lithiophilic, and Flexible Inorganic-Polymer Protective Layer by Separator Engineering Enables Dendrite-Free Lithium Metal Batteries with LiNi Mn Co O Cathode. *Small*, **2021**, 17, e2007717	11	49
175	High-performance red phosphorus/carbon nanofibers/graphene free-standing paper anode for sodium ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 1574-1581	13	48

174	Carboxylated carbon nanotube anchored MnCO3 nanocomposites as anode materials for advanced lithium-ion batteries. *Materials Letters*, **2013**, 111, 165-168	3.3	47
173	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	8.9	47
172	Two-Dimensional Silicon/Carbon from Commercial Alloy and CO for Lithium Storage and Flexible TiCT MXene-Based Lithium-Metal Batteries. *ACS Nano*, **2020**,	16.7	46
171	Stable Aqueous Anode-Free Zinc Batteries Enabled by Interfacial Engineering. *Advanced Functional Materials*, **2021**, 31, 2101886	15.6	46
170	Nonflammable electrolyte for safer non-aqueous sodium batteries. *Journal of Materials Chemistry A* , **2015**, 3, 14539-14544	13	45
169	One-pot solvothermal synthesis of graphene wrapped rice-like ferrous carbonate nanoparticles as anode materials for high energy lithium-ion batteries. *Nanoscale*, **2015**, 7, 232-9	7.7	45
168	Recent advances and perspectives in stable and dendrite-free potassium metal anodes. *Energy Storage Materials*, **2020**, 30, 206-227	19.4	44
167	Room-Temperature Liquid Metal Confined in MXene Paper as a Flexible, Freestanding, and Binder-Free Anode for Next-Generation Lithium-Ion Batteries. *Small*, **2019**, 15, e1903214	11	43
166	Synergic mechanism of adsorption and metal-free catalysis for phenol degradation by N-doped graphene aerogel. *Chemosphere*, **2018**, 191, 389-399	8.4	42
165	Metal-organic framework-derived graphene@nitrogen doped carbon@ultrafine TiO nanocomposites as high rate and long-life anodes for sodium ion batteries. *Chemical Communications*, **2016**, 52, 12810-12812	5.8	42
164	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	19.4	42
163	Sandwich-Like FeCl3@C as High-Performance Anode Materials for Potassium-Ion Batteries. *Advanced Materials Interfaces*, **2018**, 5, 1800606	4.6	41
162	Ether-based nonflammable electrolyte for room temperature sodium battery. *Journal of Power Sources*, **2015**, 284, 222-226	8.9	40
161	One-Step In Situ Formation of N-doped Carbon Nanosheet 3D Porous Networks/TiO2 Hybrids with Ultrafast Sodium Storage. *Advanced Energy Materials*, **2019**, 9, 1803070	21.8	40
160	Quantum-Matter Bi/TiO2 Heterostructure Embedded in N-Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. *Small Structures*, **2021**, 2, 2000085	8.7	40
159	Crumpled Ti3C2Tx (MXene) nanosheet encapsulated LiMn2O4 for high performance lithium-ion batteries. *Electrochimica Acta*, **2019**, 309, 362-370	6.7	39
158	Facile synthesis of N,O-codoped hard carbon on the kilogram scale for fast capacitive sodium storage. *Journal of Materials Chemistry A*, **2018**, 6, 16465-16474	13	39
157	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	16.7	39

156	Scalable and Controllable Synthesis of Interface-Engineered Nanoporous Host for Dendrite-Free and High Rate Zinc Metal Batteries. *ACS Nano*, **2021**,	16.7	39
155	Nanostructured V2O5 arrays on metal substrate as binder free cathode materials for sodium-ion batteries. *Electrochimica Acta*, **2015**, 182, 769-774	6.7	38
154	Nanostructured LiMn2O4 composite as high-rate cathode for high performance aqueous Li-ion hybrid supercapacitors. *Journal of Power Sources*, **2018**, 392, 116-122	8.9	38
153	NASICON-Structured LiGe2(PO4)3 with Improved Cyclability for High-Performance Lithium Batteries. *Journal of Physical Chemistry C*, **2009**, 113, 20514-20520	3.8	38
152	Oxygen Defects Engineering of VO2·xH2O Nanosheets via In Situ Polypyrrole Polymerization for Efficient Aqueous Zinc Ion Storage. *Advanced Functional Materials*, **2021**, 31, 2103070	15.6	37
151	Rational Design of Sulfur-Doped Three-Dimensional TiCT MXene/ZnS Heterostructure as Multifunctional Protective Layer for Dendrite-Free Zinc-Ion Batteries. *ACS Nano*, **2021**, 15, 15259-15273	16.7	37
150	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	9.5	36
149	Understanding the interactions of phosphonate-based flame-retarding additives with graphitic anode for lithium ion batteries. *Electrochimica Acta*, **2013**, 114, 688-692	6.7	36
148	Atomic Tungsten on Graphene with Unique Coordination Enabling Kinetically Boosted Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 15563-15571	16.4	36
147	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	19.4	36
146	Lithium metal protection enabled by in-situ olefin polymerization for high-performance secondary lithium sulfur batteries. *Journal of Power Sources*, **2017**, 363, 193-198	8.9	35
145	Sandwich Structures Constructed by ZnSe?N-C@MoSe2 Located in Graphene for Efficient Sodium Storage. *Advanced Energy Materials*, **2020**, 10, 2002298	21.8	35
144	Functional regeneration of tendons using scaffolds with physical anisotropy engineered via microarchitectural manipulation. *Science Advances*, **2018**, 4, eaat4537	14.3	35
143	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	13	34
142	Bonding VSe2 ultrafine nanocrystals on graphene toward advanced lithium-sulfur batteries. *Nano Research*, **2020**, 13, 2673-2682	10	33
141	Recent advance of biomass-derived carbon as anode for sustainable potassium ion battery. *Chemical Engineering Journal*, **2021**, 405, 126897	14.7	33
140	Safe all-solid-state potassium batteries with three dimentional, flexible and binder-free metal sulfide array electrode. *Journal of Power Sources*, **2019**, 433, 226697	8.9	32
139	Non-Flammable Phosphate Electrolyte with High Salt-to-Solvent Ratios for Safe Potassium-Ion Battery. *Journal of the Electrochemical Society*, **2019**, 166, A1217-A1222	3.9	32

138	Recently advances and perspectives of anode-free rechargeable batteries. *Nano Energy*, **2020**, 78, 105344	17.1	32
137	Hierarchical Octahedra Constructed by Cu S/MoS ?Carbon Framework with Enhanced Sodium Storage. *Small*, **2020**, 16, e2000952	11	31
136	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	8.3	31
135	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	7.8	30
134	Tea polyphenols inactivate Cronobacter sakazakii isolated from powdered infant formula. *Journal of Dairy Science*, **2016**, 99, 1019-1028	4	30
133	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	8.9	30
132	Synthesis of nanosized cadmium oxide (CdO) as a novel high capacity anode material for Lithium-ion batteries: influence of carbon nanotubes decoration and binder choice. *Electrochimica Acta*, **2014**, 129, 107-112	6.7	29
131	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	12	29
130	Lithium storage capability of CuGeO3 nanorods. *Materials Research Bulletin*, **2012**, 47, 1693-1696	5.1	28
129	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	14.7	28
128	Recent advances and perspectives of 2D silicon: Synthesis and application for energy storage and conversion. *Energy Storage Materials*, **2020**, 32, 115-150	19.4	28
127	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	10	28
126	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	3.9	27
125	Dealloying: An effective method for scalable fabrication of 0D, 1D, 2D, 3D materials and its application in energy storage. *Nano Today*, **2021**, 37, 101094	17.9	27
124	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	14.7	27
123	Hollow nanoporous red phosphorus as an advanced anode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 12992-12998	13	27
122	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. *ACS Nano*, **2021**,	16.7	27
121	Growth direction control of lithium dendrites in a heterogeneous lithiophilic host for ultra-safe lithium metal batteries. *Journal of Power Sources*, **2019**, 416, 141-147	8.9	26

120	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	9.3	25
119	Artificial Solid Electrolyte Interphase Coating to Reduce Lithium Trapping in Silicon Anode for High Performance Lithium-Ion Batteries. *Advanced Materials Interfaces*, **2019**, 6, 1901187	4.6	25
118	A novel bifunctional additive for safer lithium ion batteries. *Journal of Power Sources*, **2013**, 243, 29-32	8.9	25
117	Reduced graphene oxide decorated Pt activated SnO2 nanoparticles for enhancing methanol sensing performance. *Journal of Alloys and Compounds*, **2018**, 762, 8-15	5.7	25
116	Strongly Coupled W2C Atomic Nanoclusters on N/P-Codoped Graphene for Kinetically Enhanced Sulfur Host. *Advanced Materials Interfaces*, **2019**, 6, 1802088	4.6	24
115	Electroless deposition of Ni3P□Ni arrays on 3-D nickel foam as a high performance anode for lithium-ion batteries. *RSC Advances*, **2015**, 5, 60870-60875	3.7	24
114	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	8.1	24
113	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	4.1	23
112	N-doped carbon nanotubes formed in a wide range of temperature and ramping rate for fast sodium storage. *Journal of Energy Chemistry*, **2020**, 49, 136-146	12	23
111	NiP nanoparticles bound on graphene sheets for advanced lithium-sulfur batteries. *Nanoscale*, **2020** , 12, 10760-10770	7.7	23
110	Carbon coated copper sulfides nanosheets synthesized via directly sulfurizing Metal-Organic Frameworks for lithium batteries. *Materials Letters*, **2016**, 181, 340-344	3.3	22
109	A heart-coronary arteries structure of carbon nanofibers/graphene/silicon composite anode for high performance lithium ion batteries. *Scientific Reports*, **2017**, 7, 9642	4.9	21
108	Enhancing kinetics of Li-S batteries by graphene-like N,S-codoped biochar fabricated in NaCl non-aqueous ionic liquid. *Science China Materials*, **2019**, 62, 455-464	7.1	21
107	New Insights into the Electrochemistry Superiority of Liquid Na-K Alloy in Metal Batteries. *Small*, **2019**, 15, e1804916	11	20
106	Nanotubes within transition metal silicate hollow spheres: Facile preparation and superior lithium storage performances. *Materials Research Bulletin*, **2015**, 70, 573-578	5.1	20
105	Hydrothermal growth of Cobalt germanate/reduced graphene oxide nanocomposite as superior anode materials for Lithium-ion batteries. *Electrochimica Acta*, **2014**, 150, 211-217	6.7	19
104	A High-Rate and Ultrastable Aqueous Zinc-Ion Battery with a Novel MgV O □1.7H O Nanobelt Cathode. *Small*, **2021**, 17, e2100318	11	19
103	One-Step Construction of MoSSe/N-Doped Carbon Flower-like Hierarchical Microspheres with Enhanced Sodium Storage. *ACS Applied Materials & Interfaces*, **2019**, 11, 44342-44351	9.5	18

102	Hydrothermal Synthesis of ZnWO4 Hierarchical Hexangular Microstars for Enhanced Lithium-Storage Properties. *European Journal of Inorganic Chemistry*, **2017**, 2017, 734-740	2.3	17
101	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	19.4	17
100	Enhancing the safety and electrochemical performance of ether based lithium sulfur batteries by introducing an efficient flame retarding additive. *RSC Advances*, **2016**, 6, 53560-53565	3.7	17
99	General formation of Mn-based transition metal oxide twin-microspheres with enhanced lithium storage properties. *RSC Advances*, **2015**, 5, 26863-26871	3.7	16
98	MnO2 nanotubes with a water soluble binder as high performance sodium storage materials. *RSC Advances*, **2016**, 6, 103579-103584	3.7	16
97	A novel bifunctional additive for 5 V-class, high-voltage lithium ion batteries. *RSC Advances*, **2016**, 6, 7224-7228	3.7	16
96	Systematic Exploration of the Role of a Modified Layer on the Separator in the Electrochemistry of Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 30306-30313	9.5	16
95	Green and facile synthesis of porous ZnCO3 as a novel anode material for advanced lithium-ion batteries. *Materials Letters*, **2014**, 118, 5-7	3.3	16
94	The effect of enrichment media on the stimulation of native ureolytic bacteria in calcareous sand. *International Journal of Environmental Science and Technology*, **2020**, 17, 1795-1808	3.3	16
93	Enhanced Cycling Performance of Li□O2 Battery by Using a Li3PO4-Protected Lithium Anode in DMSO-Based Electrolyte. *ACS Applied Energy Materials*, **2018**, 1, 5511-5517	6.1	16
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