Jinkui Feng

List of Publications by Year in Descending Order

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	MXene/Organics Heterostructures Enable Ultrastable and High-Rate Lithium/Sodium Batteries.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	5
244	Self-assembled, highly-lithiophilic and well-aligned biomass engineered MXene paper enables dendrite-free lithium metal anode in carbonate-based electrolyte. *Journal of Energy Chemistry*, **2022**, 69, 221-221	12	4
243	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**,	16.7	5
242	Lithiophilic perovskite-CaTiO3 engineered separator for dendrite-suppressing 5 V-class lithium metal batteries with commercial carbonate-based electrolyte. *Applied Surface Science*, **2022**, 583, 152430	6.7	1
241	Room-temperature liquid metal engineered iron current collector enables stable and dendrite-free sodium metal batteries in carbonate electrolytes. *Journal of Materials Science and Technology*, **2022**, 115, 156-165	9.1	1
240	Rationally Designed Three-Layered TiO @amorphous MoS @Carbon Hierarchical Microspheres for Efficient Potassium Storage.. *Small*, **2022**, e2107819	11	3
239	Scalable Synthesis of Nano-Sized Bi for Separator Modifying in 5V-Class Lithium Metal Batteries and Potassium Ion Batteries Anodes.. *Small*, **2022**, 18, e2104264	11	2
238	Flexible, freestanding and lithiophilic Indium/MXene heterostructure enabling dendrite-free lithium metal anode in commercial carbonate-based electrolyte with high voltage cobalt-free LiNi0.5Mn1.5O4 cathode. *Journal of Power Sources*, **2022**, 520, 230901	8.9	1
237	Highly reversible lithium metal-organic battery enabled by a freestanding MXene interlayer. *Journal of Power Sources*, **2022**, 521, 230963	8.9	1
236	Self-healing and ultrastable anode based on room temperature liquid metal reinforced two-dimensional siloxene for high-performance lithium-ion batteries. *Applied Materials Today*, **2022**, 26, 101300	6.6	2
235	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
234	Robust and flexible polymer/MXene-derived two dimensional TiO2 hybrid gel electrolyte for dendrite-free solid-state zinc-ion batteries. *Chemical Engineering Journal*, **2022**, 430, 132748	14.7	7
233	Cu3P nanoparticles confined in nitrogen/phosphorus dual-doped porous carbon nanosheets for efficient potassium storage. *Journal of Energy Chemistry*, **2022**, 66, 339-347	12	5
232	Flexible and freestanding heterostructures based on COF-derived N-doped porous carbon and two-dimensional MXene for all-solid-state lithium-sulfur batteries. *Chemical Engineering Journal*, **2022**, 428, 131040	14.7	9
231	Sodiophilic Mg -Decorated Ti C MXene for Dendrite-Free Sodium Metal Batteries with Carbonate-Based Electrolytes.. *Small*, **2022**, e2107637	11	5
230	Highly reversible Mg metal anodes enabled by interfacial liquid metal engineering for high-energy Mg-S batteries. *Energy Storage Materials*, **2022**, 48, 447-457	19.4	5
229	Highly reversible and safe lithium metal batteries enabled by Non-flammable All-fluorinated carbonate electrolyte conjugated with 3D flexible MXene-based lithium anode. *Chemical Engineering Journal*, **2022**, 440, 135818	14.7	3

228	LiF-rich and self-repairing interface induced by MgF2 engineered separator enables dendrite-free lithium metal batteries. *Chemical Engineering Journal*, **2022**, 442, 136243	14.7	1
227	Ultrastable and High-Rate 2D Siloxene Anode Enabled by Covalent Organic Framework Engineering for Advanced Lithium-Ion Batteries.. *Small Methods*, **2022**, e2200306	12.8	1
226	Integrating Bi@C Nanospheres in Porous Hard Carbon Frameworks for Ultrafast Sodium Storage.. *Advanced Materials*, **2022**, e2202673	24	13
225	MXenes and their derivatives for advanced aqueous rechargeable batteries. *Materials Today*, **2021**,	21.8	5
224	Feasible Catalytic-Insoluble Strategy Enabled by Sulfurized Polyacrylonitrile with Built Electrocatalysts for Ultrastable Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 50936-50947	9.5	1
223	Biofunctional hollow □MnO microspheres by a one-pot collagen-templated biomineralization route and their applications in lithium batteries.. *RSC Advances*, **2021**, 11, 37040-37048	3.7	0
222	Metal-organic frameworks and their derivatives in stable Zn metal anodes for aqueous Zn-ion batteries **2021**,		1
221	High-Safety and Dendrite-Free Lithium Metal Batteries Enabled by Building a Stable Interface in a Nonflammable Medium-Concentration Phosphate Electrolyte. *ACS Applied Materials & Interfaces*, **2021**, 13, 50869-50877	9.5	6
220	High-Performance Stable Potassium□Sulfur Batteries Enabled by Free-Standing CNT Film-Based Composite Cathodes. *Journal of Electronic Materials*, **2021**, 50, 3037-3042	1.9	5
219	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
218	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
217	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
216	Bimetal CoNi Active Sites on Mesoporous Carbon Nanosheets to Kinetically Boost Lithium-Sulfur Batteries. *Small*, **2021**, 17, e2100414	11	4
215	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
214	Stable Aqueous Anode-Free Zinc Batteries Enabled by Interfacial Engineering. *Advanced Functional Materials*, **2021**, 31, 2101886	15.6	46
213	Atomic Tungsten on Graphene with Unique Coordination Enabling Kinetically Boosted Lithium-Sulfur Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 15563-15571	16.4	36
212	Lithium dendrite suppression by facile interfacial barium engineering for stable 5 V-class lithium metal batteries with carbonate-based electrolyte. *Chemical Engineering Journal*, **2021**, 414, 128928	14.7	8
211	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

210	Atomic Tungsten on Graphene with Unique Coordination Enabling Kinetically Boosted Lithium–Sulfur Batteries. *Angewandte Chemie*, **2021**, 133, 15691-15699	3.6	7
209	Advances and Perspectives of Cathode Storage Chemistry in Aqueous Zinc-Ion Batteries. *ACS Nano*, **2021**, 15, 9244-9272	16.7	58
208	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
207	Scalable and Controllable Synthesis of Interface-Engineered Nanoporous Host for Dendrite-Free and High Rate Zinc Metal Batteries. *ACS Nano*, **2021**,	16.7	39
206	In Situ-Formed Dual-Conductive Protecting Layer for Dendrite-Free Li Metal Anodes in All-Solid-State Batteries. *Energy Technology*, **2021**, 9, 2100087	3.5	0
205	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
204	Recent advance of biomass-derived carbon as anode for sustainable potassium ion battery. *Chemical Engineering Journal*, **2021**, 405, 126897	14.7	33
203	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
202	Green and facile fabrication of nanoporous silicon@carbon from commercial alloy with high graphitization degree for high-energy lithium-ion batteries. *Sustainable Materials and Technologies*, **2021**, 27, e00238	5.3	2
201	Recent Advances and Perspectives of Zn-Metal Free Rocking-Chair-Type Zn-Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2002529	21.8	52
200	Quantum-Matter Bi/TiO2 Heterostructure Embedded in N-Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. *Small Structures*, **2021**, 2, 2000085	8.7	40
199	Unexpected increase of the compliance rate of transfusion requisition form after the COVID-19 outbreak. *Transfusion Clinique Et Biologique*, **2021**, 28, 94-95	1.9	
198	Rocking Chair Batteries: Recent Advances and Perspectives of Zn-Metal Free Rocking-Chair-Type Zn-Ion Batteries (Adv. Energy Mater. 5/2021). *Advanced Energy Materials*, **2021**, 11, 2170023	21.8	2
197	High-Safety and High-Voltage Lithium Metal Batteries Enabled by a Nonflammable Ether-Based Electrolyte with Phosphazene as a Cosolvent. *ACS Applied Materials & Interfaces*, **2021**, 13, 10141-10148	9.5	9
196	Green and Facile Synthesis of Nanosized Polythiophene as an Organic Anode for High-Performance Potassium-Ion Battery **2021**, 159-166		
195	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	6.7	13
194	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
193	Control of the structure and composition of nitrogen-doped carbon nanofoams derived from CO2 foamed polyacrylonitrile as anodes for high-performance potassium-ion batteries. *Electrochimica Acta*, **2021**, 388, 138630	6.7	1

192	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. *ACS Nano*, **2021**,	16.7	27
191	Application of quality control circle to improve conformity rate of time limits of infusion. *Transfusion Clinique Et Biologique*, **2021**, 28, 312-313	1.9	
190	Supercritical CO2 foaming strategy to fabricate nitrogen/oxygen co-doped bi-continuous nanoporous carbon scaffold for high-performance potassium-ion storage. *Journal of Power Sources*, **2021**, 507, 230275	8.9	1
189	Dual-Functional MgO Nanocrystals Satisfying Both Polysulfides and Li Regulation toward Advanced Lithium-Sulfur Full Batteries. *Small*, **2021**, 17, e2103744	11	3
188	Vacancy and architecture engineering of porous FeP nanorods for achieving superior Li+ storage. *Chemical Engineering Journal*, **2021**, 429, 132249	14.7	8
187	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
186	Constructing ultrafine lithiophilic layer on MXene paper by sputtering for stable and flexible 3D lithium metal anode. *Chemical Engineering Journal*, **2021**, 421, 129685	14.7	15
185	Emerging Catalysts to Promote Kinetics of LithiumSulfur Batteries. *Advanced Energy Materials*, **2021**, 11, 2002893	21.8	85
184	Electrochemically Activated Vanadium Oxide Cathode for Advanced Aqueous Zn-Ion Batteries.. *Nano Letters*, **2021**,	11.5	14
183	WSe2 ′Flakelets on N-doped Graphene for Accelerating Polysulfide Redox and Regulating Li Plating. *Angewandte Chemie - International Edition*, **2021**,	16.4	9
182	Hierarchical Octahedra Constructed by Cu S/MoS ?Carbon Framework with Enhanced Sodium Storage. *Small*, **2020**, 16, e2000952	11	31
181	Layer-by-Layer Stacked (NH4)2V4O9·0.5H2O Nanosheet Assemblies with Intercalation Pseudocapacitance for High Rate Aqueous Zinc Ion Storage. *ACS Applied Energy Materials*, **2020**, 3, 5343-5352	6.1	15
180	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
179	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
178	Improving the corrosion resistance of micro-arc oxidation coated Mg-Zn-Ca alloy.. *RSC Advances*, **2020**, 10, 8244-8254	3.7	6
177	Boosting Na Storage Ability of Bimetallic Mo W Se with Expanded Interlayers. *Chemistry - A European Journal*, **2020**, 26, 9580-9588	4.8	4
176	Bonding VSe2 ultrafine nanocrystals on graphene toward advanced lithium-sulfur batteries. *Nano Research*, **2020**, 13, 2673-2682	10	33
175	Scalable and controlled synthesis of 2D nanoporous Co3O4 from bulk alloy for potassium ion batteries. *Materials Technology*, **2020**, 35, 594-599	2.1	5

174	Nanoporous Si@Carbon: Porosity- and Graphitization-Controlled Fabrication of Nanoporous Silicon@Carbon for Lithium Storage and Its Conjugation with MXene for Lithium-Metal Anode (Adv. Funct. Mater. 9/2020). *Advanced Functional Materials*, **2020**, 30, 2070058	15.6	1
173	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
172	Controlled synthesis of copper reinforced nanoporous silicon microsphere with boosted electrochemical performance. *Journal of Power Sources*, **2020**, 455, 227967	8.9	8
171	High Voltage, Flexible and Low Cost All-Solid-State Lithium Metal Batteries with a Wide Working Temperature Range. *ChemistrySelect*, **2020**, 5, 1214-1219	1.8	15
170	Carbon budgets of two typical polyculture pond systems in coastal China and their potential roles in the global carbon cycle. *Aquaculture Environment Interactions*, **2020**, 12, 105-115	2.9	4
169	Recent advances and perspectives in stable and dendrite-free potassium metal anodes. *Energy Storage Materials*, **2020**, 30, 206-227	19.4	44
168	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
167	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
166	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
165	TiO -Based Heterostructures with Different Mechanism: A General Synergistic Effect toward High-Performance Sodium Storage. *Small*, **2020**, 16, e2004054	11	15
164	Recently advances and perspectives of anode-free rechargeable batteries. *Nano Energy*, **2020**, 78, 105344	17.1	32
163	Systematic Study of Alkali Cations Intercalated Titanium Dioxide Effect on Sodium and Lithium Storage. *Small*, **2020**, 16, e2001391	11	4
162	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
161	N-Doped graphitic ladder-structured carbon nanotubes as a superior sulfur host for lithium–sulfur batteries. *Inorganic Chemistry Frontiers*, **2020**, 7, 3969-3979	6.8	2
160	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
159	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
158	Sandwich Structures Constructed by ZnSe?N-C@MoSe2 Located in Graphene for Efficient Sodium Storage. *Advanced Energy Materials*, **2020**, 10, 2002298	21.8	35
157	Electrochemical Insights, Developing Strategies, and Perspectives toward Advanced Potassium-Sulfur Batteries. *Small*, **2020**, 16, e2003386	11	10

156	Porous lithium cobalt oxide fabricated from metal-organic frameworks as a high-rate cathode for lithium-ion batteries.. *RSC Advances*, **2020**, 10, 31889-31893	3.7	3
155	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
154	Recent Advances of Emerging 2D MXene for Stable and Dendrite-Free Metal Anodes. *Advanced Functional Materials*, **2020**, 30, 2004613	15.6	58
153	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
152	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
151	Boron-doped graphene coated Au@SnO2 for high-performance triethylamine gas detection. *Materials Chemistry and Physics*, **2020**, 239, 121961	4.4	14
150	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
149	NiP nanoparticles bound on graphene sheets for advanced lithium-sulfur batteries. *Nanoscale*, **2020**, 12, 10760-10770	7.7	23
148	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
147	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
146	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
145	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
144	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
143	Crumpled Ti3C2Tx (MXene) nanosheet encapsulated LiMn2O4 for high performance lithium-ion batteries. *Electrochimica Acta*, **2019**, 309, 362-370	6.7	39
142	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
141	Strongly Coupled W2C Atomic Nanoclusters on N/P-Codoped Graphene for Kinetically Enhanced Sulfur Host. *Advanced Materials Interfaces*, **2019**, 6, 1802088	4.6	24
140	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
139	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

138	Novel Method of Fabricating Free-Standing and Nitrogen-Doped 3D Hierarchically Porous Carbon Monoliths as Anodes for High-Performance Sodium-Ion Batteries by Supercritical CO Foaming. *ACS Applied Materials & Interfaces*, **2019**, 11, 9125-9135	9.5	12
137	New Insights into the Electrochemistry Superiority of Liquid Na-K Alloy in Metal Batteries. *Small*, **2019**, 15, e1804916	11	20
136	High Current Enabled Stable Lithium Anode for Ultralong Cycling Life of Lithium-Oxygen Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 30793-30800	9.5	14
135	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
134	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
133	Recent development and prospect of potassium-ion batteries with high energy and high safety for post-lithium batteries. *Functional Materials Letters*, **2019**, 12, 1930002	1.2	11
132	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
131	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
130	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
129	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
128	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
127	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
126	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
125	Optimizing the Supercapacitive Performance and Cyclability of Ni(OH)2 by Combining with CuO Concomitant with Mutual Doping. *ChemElectroChem*, **2019**, 6, 4831-4841	4.3	4
124	Flexible and Freestanding Silicon/MXene Composite Papers for High-Performance Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 10004-10011	9.5	154
123	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
122	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
121	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

120	Influences of Copper/Zinc-Loaded Montmorillonite on Growth Performance, Mineral Retention, Intestinal Morphology, Mucosa Antioxidant Capacity, and Cytokine Contents in Weaned Piglets. *Biological Trace Element Research*, **2018**, 185, 356-363	4.5	15
119	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
118	Graphene oxide based membrane intercalated by nanoparticles for high performance nanofiltration application. *Chemical Engineering Journal*, **2018**, 347, 12-18	14.7	99
117	High performance graphene oxide nanofiltration membrane prepared by electrospraying for wastewater purification. *Carbon*, **2018**, 130, 487-494	10.4	104
116	Unusual Formation of CoO@C Dandelions Derived from 2D Kagome MOLs for Efficient Lithium Storage. *Advanced Energy Materials*, **2018**, 8, 1703242	21.8	103
115	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
114	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
113	Hierarchical Porous Nanosheets Constructed by Graphene-Coated, Interconnected TiO Nanoparticles for Ultrafast Sodium Storage. *Advanced Materials*, **2018**, 30, 1705788	24	191
112	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
111	Li7P3S11 solid electrolyte coating silicon for high-performance lithium-ion batteries. *Electrochimica Acta*, **2018**, 276, 325-332	6.7	12
110	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
109	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
108	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
107	Vacuum distillation derived 3D porous current collector for stable lithium-metal batteries. *Nano Energy*, **2018**, 47, 503-511	17.1	165
106	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
105	Synergic mechanism of adsorption and metal-free catalysis for phenol degradation by N-doped graphene aerogel. *Chemosphere*, **2018**, 191, 389-399	8.4	42
104	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
103	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

102	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
101	Green and facile synthesis of nanosized polythiophene as an organic anode for high-performance potassium-ion battery. *Functional Materials Letters*, **2018**, 11, 1840003	1.2	14
100	Enhanced heterogeneous activation of peroxydisulfate by S, N co-doped graphene via controlling S, N functionalization for the catalytic decolorization of dyes in water. *Chemosphere*, **2018**, 210, 120-128	8.4	15
99	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
98	Self-supporting soft carbon fibers as binder-free and flexible anodes for high-performance sodium-ion batteries. *Materials Technology*, **2018**, 33, 810-814	2.1	7
97	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
96	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
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