Bingan Lu

List of Publications by Year
in descending order

		8208	13274
194	20,317	78	135
papers	citations	h-index	g-index

195	195	195	16841
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electro-spraying/spinning: A novel battery manufacturing technology. Green Energy and Environment, 2024, 9, 81-88.	4.7	8
2	Superstable potassium metal batteries with a controllable internal electric field. Fundamental Research, 2023, 3, 813-821.	1.6	5
3	Synergistic chemical and electrochemical strategy for high-performance Zn//MnO2 batteries. Chinese Chemical Letters, 2023, 34, 107493.	4.8	21
4	Yolkâ€“Shell P3â€Type K_{0.5}[Mn_{0.85}Ni_{0.1}Co_{0.05}]O₂: A Lowâ€Cost Cathode for Potassiumâ€Ion Batteries. Energy and Environmental Materials, 2022, 5, 261-269.	7.3	36
5	N/S co-doped carbon nanosheet bundles as high-capacity anode for potassium-ion battery. Nano Research, 2022, 15, 2040-2046.	5.8	30
6	Integrated â€˜all-in-oneâ€™ strategy to stabilize zinc anodes for high-performance zinc-ion batteries. National Science Review, 2022, 9, nwab177.	4.6	174
7	Building ultra-stable Kâ€“Te battery by molecular regulation. Journal of Energy Chemistry, 2022, 69, 100-107.	7.1	15
8	Intercalation and covalent bonding strategies for constructing a stable cathode for high-energy density and long-cycling potassium-organic batteries. Chemical Engineering Journal, 2022, 431, 133215.	6.6	24
9	Organicâ€“Inorganic Hybrid Cathode with Dual Energyâ€Storage Mechanism for Ultrahighâ€Rate and Ultralongâ€Life Aqueous Zincâ€Ion Batteries. Advanced Materials, 2022, 34, e2105452.	11.1	129
10	Layered Superconductor Cu_{0.11}TiSe₂ as a Highâ€Stable Kâ€Cathode. Advanced Functional Materials, 2022, 32, 2109893.	7.8	30
11	Interfacial Engineering Strategy for High-Performance Zn Metal Anodes. Nano-Micro Letters, 2022, 14, 6.	14.4	177
12	Achieving Uniform Li Plating/Stripping at Ultrahigh Currents and Capacities by Optimizing 3D Nucleation Sites and Li₂Seâ€Enriched SEI. Advanced Science, 2022, 9, e2104689.	5.6	77
13	Synergetic stability enhancement with magnesium and calcium ion substitution for Ni/Mn-based P2-type sodium-ion battery cathodes. Chemical Science, 2022, 13, 726-736.	3.7	54
14	A Silicon Monoxide Lithium-Ion Battery Anode with Ultrahigh Areal Capacity. Nano-Micro Letters, 2022, 14, 50.	14.4	59
15	Eutectic electrolyte based on N-methylacetamide for highly reversible zincâ€“iodine battery. Energy and Environmental Science, 2022, 15, 1192-1200.	15.6	89
16	Design Strategies for Highâ€Energyâ€Density Aqueous Zinc Batteries. Angewandte Chemie, 2022, 134, .	1.6	47
17	Design Strategies for Highâ€Energyâ€Density Aqueous Zinc Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	383
18	Tuning Zn2+ coordination tunnel by hierarchical gel electrolyte for dendrite-free zinc anode. Science Bulletin, 2022, 67, 955-962.	4.3	172

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19	Nature of bismuth and antimony based phosphate nanobundles/graphene for superior potassium ion batteries. Chemical Engineering Journal, 2022, 435, 134746.	6.6	18
20	Surface-substituted Prussian blue analogue cathode for sustainable potassium-ion batteries. Nature Sustainability, 2022, 5, 225-234.	11.5	293
21	Highâ€Potential Cathodes with Nitrogen Active Centres for Quasiâ€Solid Protonâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	12
22	Highâ€Potential Cathodes with Nitrogen Active Centres for Quasiâ€Solid Protonâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	48
23	Issues and Opportunities Facing Aqueous Mn²⁺/MnO₂â€based Batteries. ChemSusChem, 2022, 15, .	3.6	129
24	Engineering Ion Diffusion by CoS@SnS Heterojunction for Ultrahigh-Rate and Stable Potassium Batteries. ACS Applied Materials & Interfaces, 2022, 14, 16379-16385.	4.0	42
25	Regulating Zinc Deposition Behaviors by the Conditioner of PAN Separator for Zincâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	130
26	Manipulating Ion Concentration to Boost Twoâ€Electron Mn⁴⁺/Mn²⁺ Redox Kinetics through a Colloid Electrolyte for Highâ€Capacity Zinc Batteries. Advanced Energy Materials, 2022, 12, .	10.2	65
27	B, F Co-doping flexible carbon nanofibers as a fast and stable anode for potassium-ion hybrid capacitor. Journal of Alloys and Compounds, 2022, , 165285.	2.8	5
28	Synergetic Effect of Alkaliâ€Site Substitution and Oxygen Vacancy Boosting Vanadate Cathode for Superâ€Stable Potassium and Zinc Storage. Advanced Functional Materials, 2022, 32, .	7.8	28
29	Structureâ€Optimized Phosphorene for Superâ€Stable Potassium Storage. Advanced Functional Materials, 2022, 32, .	7.8	23
30	Weak Cationâ€“Solvent Interactions in Etherâ€Based Electrolytes Stabilizing Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	70
31	Weak Cationâ€“Solvent Interactions in Etherâ€Based Electrolytes Stabilizing Potassiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	43
32	In situ formation of lithiophilic Li22Sn5 alloy and high Li-ion conductive Li2S/Li2Se via metal chalcogenide SnSSe for dendrite-free Li metal anodes. Journal of Energy Chemistry, 2022, 73, 339-347.	7.1	20
33	Cyclic-anion salt for high-voltage stable potassium-metal batteries. National Science Review, 2022, 9, .	4.6	123
34	A Rechargeable K/Br Battery. Advanced Functional Materials, 2022, 32, .	7.8	28
35	Construction of high conductivity carbon-coated MoS2 on porous carbon nanofibers for synergistic potassium storage. Journal of Power Sources, 2022, 543, 231800.	4.0	14
36	Cell-like-carbon-micro-spheres for robust potassium anode. National Science Review, 2021, 8, nwaa276.	4.6	166

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37	A High Capacity and Working Voltage Potassiumâ€Based Dual Ion Batteries. Energy and Environmental Materials, 2021, 4, 413-420.	7.3	23
38	Free-standing N-doped hollow carbon fibers as high-performance anode for potassium ion batteries. Science China Materials, 2021, 64, 547-556.	3.5	45
39	Highly Dispersed Cobalt Nanoparticles Embedded in Nitrogen-Doped Graphitized Carbon for Fast and Durable Potassium Storage. Nano-Micro Letters, 2021, 13, 21.	14.4	80
40	Rose-petals-derived hemispherical micropapillae carbon with cuticular folds for super potassium storage. Electrochimica Acta, 2021, 368, 137629.	2.6	25
41	An all-organic aqueous potassium dual-ion battery. Journal of Energy Chemistry, 2021, 57, 28-33.	7.1	52
42	Sulfur-assisted large-scale synthesis of graphene microspheres for superior potassium-ion batteries. Energy and Environmental Science, 2021, 14, 965-974.	15.6	164
43	Hierarchically porous Cu current collector with lithiophilic Cu O interphase towards high-performance lithium metal batteries. Journal of Energy Chemistry, 2021, 58, 292-299.	7.1	41
44	Crossâ€Linked Hollow Graphitic Carbon as Lowâ€Cost and Highâ€Performance Anode for Potassium Ion Batteries. Energy and Environmental Materials, 2021, 4, 451-457.	7.3	39
45	The preparation and characterization of high-performance mesoporous carbon from a highly Ï€-conjugated polybenzoxazine precursor. New Journal of Chemistry, 2021, 45, 8022-8031.	1.4	0
46	Dual-Carbon Electrode-Based High-Energy-Density Potassium-Ion Hybrid Capacitor. ACS Applied Materials & Interfaces, 2021, 13, 8497-8506.	4.0	39
47	Electrolyte Strategies toward Better Zinc-Ion Batteries. ACS Energy Letters, 2021, 6, 1015-1033.	8.8	376
48	Inorganic Colloidal Electrolyte for Highly Robust Zinc-Ion Batteries. Nano-Micro Letters, 2021, 13, 69.	14.4	152
49	Artificial SEI for Superhighâ€Performance Kâ€Graphite Anode. Advanced Science, 2021, 8, 2003639.	5.6	59
50	Balsaâ€Woodâ€Derived Binderâ€“Free Freestanding Carbon Foam as Highâ€Performance Potassium Anode. Advanced Energy and Sustainability Research, 2021, 2, 2100018.	2.8	9
51	3D Holey Graphene/Polyacrylonitrile Sulfur Composite Architecture for High Loading Lithium Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2100448.	10.2	131
52	Surfaceâ€Preferred Crystal Plane for a Stable and Reversible Zinc Anode. Advanced Materials, 2021, 33, e2100187.	11.1	432
53	Fe0.8CoSe2 nanosphere coated by N-doped carbon for ultra-high rate potassium selenium battery. Rare Metals, 2021, 40, 2455-2463.	3.6	26
54	Regulating Solvent Molecule Coordination with KPF₆ for Superstable Graphite Potassium Anodes. ACS Nano, 2021, 15, 9167-9175.	7.3	89

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55	Mechanistic Insights of Mg²⁺â€Electrolyte Additive for Highâ€Energy and Longâ€Life Zincâ€Ion Hybrid Capacitors. Advanced Energy Materials, 2021, 11, 2101158.	10.2	108
56	Interfacial <scp>adsorptionâ€“insertion</scp> mechanism induced by phase boundary toward better aqueous <scp>Znâ€ion</scp> battery. InformaÄ•nÃ-MateriÃ¡ly, 2021, 3, 1028-1036.	8.5	194
57	Stabilization of Zn Metal Anode through Surface Reconstruction of a Ceriumâ€Based Conversion Film. Advanced Functional Materials, 2021, 31, 2103227.	7.8	97
58	pHâ€Buffer Contained Electrolyte for Selfâ€Adjusted Cathodeâ€Free Znâ€“MnO₂ Batteries with Coexistence of Dual Mechanisms. Small Structures, 2021, 2, 2100119.	6.9	196
59	Radial Pores in Nitrogen/Oxygen Dualâ€Doped Carbon Nanospheres Anode Boost Highâ€Power and Ultrastable Potassiumâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2107246.	7.8	112
60	Covalent sulfur as stable anode for potassium ion battery. Journal of Energy Chemistry, 2021, 62, 645-652.	7.1	44
61	SbVO4 based high capacity potassium anode: a combination of conversion and alloying reactions. Science China Chemistry, 2021, 64, 238-244.	4.2	39
62	Insights into Metal/Metalloid-Based Alloying Anodes for Potassium Ion Batteries. , 2021, 3, 1572-1598.		25
63	Highly reversible zinc-ion battery enabled by suppressing vanadium dissolution through inorganic Zn2+ conductor electrolyte. Nano Energy, 2021, 90, 106621.	8.2	40
64	Fast-Charging Nonaqueous Potassium-Ion Batteries Enabled by Rational Construction of Oxygen-Rich Porous Nanofiber Anodes. ACS Applied Materials & Interfaces, 2021, 13, 50005-50016.	4.0	15
65	Prospects of Electrode Materials and Electrolytes for Practical Potassiumâ€Based Batteries. Small Methods, 2021, 5, e2101131.	4.6	129
66	Copper-Stabilized Pâ€²2-Type Layered Manganese Oxide Cathodes for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 58665-58673.	4.0	24
67	Carbon foam with microporous structure for high performance symmetric potassium dual-ion capacitor. Journal of Energy Chemistry, 2020, 43, 129-138.	7.1	213
68	Facile Synthesis of Copper Sulfide Nanosheet@Graphene Oxide for the Anode of Potassiumâ€Ion Batteries. Energy Technology, 2020, 8, 1900987.	1.8	37
69	Bismuthene from sonoelectrochemistry as a superior anode for potassium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 453-460.	5.2	94
70	Nature of FeSe₂/Nâ€C Anode for High Performance Potassium Ion Hybrid Capacitor. Advanced Energy Materials, 2020, 10, 1903277.	10.2	225
71	Nitrogen-doped carbon nanotubes as an anode for a highly robust potassium-ion hybrid capacitor. Nanoscale Horizons, 2020, 5, 1586-1595.	4.1	45
72	An Ultrastable Nonaqueous Potassiumâ€Ion Hybrid Capacitor. Advanced Functional Materials, 2020, 30, 2004247.	7.8	100

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73	Electrochemical Study of Poly(2,6â€Anthraquinonyl Sulfide) as Cathode for Alkaliâ€Metalâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2002780.	10.2	60
74	Tuning crystal structure and redox potential of NASICON-type cathodes for sodium-ion batteries. Nano Research, 2020, 13, 3330-3337.	5.8	49
75	Silicon-Based 3D All-Solid-State Micro-Supercapacitor with Superior Performance. ACS Applied Materials & Interfaces, 2020, 12, 43864-43875.	4.0	48
76	Organic phosphomolybdate: a high capacity cathode for potassium ion batteries. Chemical Communications, 2020, 56, 12753-12756.	2.2	11
77	Facilitating Phase Evolution for a High-Energy-Efficiency, Low-Cost O3-Type Na_xCu_{0.18}Fe_{0.3}Mn_{0.52}O₂ Sodium Ion Battery Cathode. Inorganic Chemistry, 2020, 59, 13792-13800.	1.9	15
78	A Sb₂S₃ Nanoflower/MXene Composite as an Anode for Potassium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 57907-57915.	4.0	82
79	Anode Materials for Aqueous Zinc Ion Batteries: Mechanisms, Properties, and Perspectives. ACS Nano, 2020, 14, 16321-16347.	7.3	340
80	Sn-Sb compounds with novel structure for stable potassium storage. Chemical Engineering Journal, 2020, 395, 125147.	6.6	41
81	Nature of Novel 2D van der Waals Heterostructures for Superior Potassium Ion Batteries. Advanced Energy Materials, 2020, 10, 2000884.	10.2	85
82	Extra lithium-ion storage capacity enabled by liquid-phase exfoliated indium selenide nanosheets conductive network. Energy and Environmental Science, 2020, 13, 2124-2133.	15.6	35
83	Large-scale carambola-like V2O5 nanoflowers arrays on microporous reed carbon as improved electrochemical performances lithium-ion batteries cathode. Journal of Energy Chemistry, 2020, 51, 388-395.	7.1	38
84	Polyimide/metal-organic framework hybrid for high performance Al - Organic battery. Energy Storage Materials, 2020, 31, 58-63.	9.5	78
85	Carbon Dots@rGO Paper as Freestanding and Flexible Potassiumâ€Ion Batteries Anode. Advanced Science, 2020, 7, 2000470.	5.6	95
86	Hierarchically Structured Nitrogen-Doped Carbon Microspheres for Advanced Potassium Ion Batteries. , 2020, 2, 853-860.		70
87	Rapidly synthesizing interconnected carbon nanocage by microwave toward high-performance aluminum batteries. Chemical Engineering Journal, 2020, 389, 124407.	6.6	52
88	Plum pudding model inspired KVPO4F@3DC as high-voltage and hyperstable cathode for potassium ion batteries. Science Bulletin, 2020, 65, 1242-1251.	4.3	96
89	Cocoon Silk-Derived, Hierarchically Porous Carbon as Anode for Highly Robust Potassium-Ion Hybrid Capacitors. Nano-Micro Letters, 2020, 12, 113.	14.4	74
90	Alkaliâ€Metalâ€Ion Batteries: Electrochemical Study of Poly(2,6â€Anthraquinonyl Sulfide) as Cathode for Alkaliâ€Metalâ€Ion Batteries (Adv. Energy Mater. 48/2020). Advanced Energy Materials, 2020, 10, 2070198.	10.2	2

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91	Hierarchically Porous Nâ€Doped Carbon Fibers as a Freeâ€Standing Anode for Highâ€Capacity Potassiumâ€Based Dualâ€Ion Battery. Advanced Energy Materials, 2019, 9, 1901663.	10.2	128
92	Antimonyâ€“Graphite Composites for a Highâ€Performance Potassiumâ€Ion Battery. Energy Technology, 2019, 7, 1900634.	1.8	31
93	Rational Design of a Polyimide Cathode for a Stable and High-Rate Potassium-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 42078-42085.	4.0	55
94	Accessible COF-Based Functional Materials for Potassium-Ion Batteries and Aluminum Batteries. ACS Applied Materials & Interfaces, 2019, 11, 44352-44359.	4.0	62
95	Simultaneous Cationic and Anionic Redox Reactions Mechanism Enabling Highâ€Rate Longâ€Life Aqueous Zincâ€Ion Battery. Advanced Functional Materials, 2019, 29, 1905267.	7.8	140
96	Solvothermal synthesis of graphene encapsulated selenium/carboxylated carbon nanotubes electrode for lithiumâ€“selenium battery. Journal of Alloys and Compounds, 2019, 810, 151894.	2.8	12
97	Graphene Armored with a Crystal Carbon Shell for Ultrahigh-Performance Potassium Ion Batteries and Aluminum Batteries. ACS Nano, 2019, 13, 10631-10642.	7.3	98
98	Nature of Bimetallic Oxide Sb₂MoO₆/rGO Anode for Highâ€Performance Potassiumâ€Ion Batteries. Advanced Science, 2019, 6, 1900904.	5.6	60
99	Control of SEI Formation for Stable Potassium-Ion Battery Anodes by Bi-MOF-Derived Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 22474-22480.	4.0	117
100	Bacteria-Derived Biological Carbon Building Robust Liâ€“S Batteries. Nano Letters, 2019, 19, 4384-4390.	4.5	95
101	Graphite Anode for a Potassiumâ€Ion Battery with Unprecedented Performance. Angewandte Chemie, 2019, 131, 10610-10615.	1.6	100
102	Graphite Anode for a Potassiumâ€Ion Battery with Unprecedented Performance. Angewandte Chemie - International Edition, 2019, 58, 10500-10505.	7.2	504
103	Enhancing catalytic activity of tungsten disulfide through topology. Applied Catalysis B: Environmental, 2019, 256, 117802.	10.8	26
104	Unzipped carbon nanotubes for aluminum battery. Energy Storage Materials, 2019, 23, 72-78.	9.5	64
105	Quasi-one-dimensional Mo chains for efficient hydrogen evolution reaction. Nano Energy, 2019, 61, 194-200.	8.2	55
106	In Situ Alloying Strategy for Exceptional Potassium Ion Batteries. ACS Nano, 2019, 13, 3703-3713.	7.3	194
107	Sb-MOFs derived Sb nanoparticles@porous carbon for high performance potassium-ion batteries anode. Chemical Communications, 2019, 55, 12511-12514.	2.2	90
108	Fluorine atom-inducing graphene oxide in situ coating SnPO composites as anode for sodium ion batteries. Materials Today Energy, 2019, 11, 174-181.	2.5	10

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109	Confined and covalent sulfur for stable room temperature potassium-sulfur battery. Electrochimica Acta, 2019, 293, 191-198.	2.6	68
110	High performance bimetal sulfides for lithium-sulfur batteries. Chemical Engineering Journal, 2019, 358, 955-961.	6.6	98
111	Potato derived biomass porous carbon as anode for potassium ion batteries. Electrochimica Acta, 2019, 293, 364-370.	2.6	162
112	Nature of extra capacity in MoS2 electrodes: Molybdenum atoms accommodate with lithium. Energy Storage Materials, 2019, 16, 37-45.	9.5	218
113	Offset Initial Sodium Loss To Improve Coulombic Efficiency and Stability of Sodium Dual-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 15751-15759.	4.0	43
114	A Nonaqueous Potassiumâ€Based Batteryâ€“Supercapacitor Hybrid Device. Advanced Materials, 2018, 30, e1800804.	11.1	345
115	Low Cost and Superior Safety Industrial Grade Lithium Dualâ€Ion Batteries with a Second Life. Energy Technology, 2018, 6, 1994-2000.	1.8	29
116	Osiers-sprout-like heteroatom-doped carbon nanofibers as ultrastable anodes for lithium/sodium ion storage. Nano Research, 2018, 11, 3791-3801.	5.8	16
117	An Ultrafast Rechargeable Hybrid Sodiumâ€Based Dualâ€Ion Capacitor Based on Hard Carbon Cathodes. Advanced Energy Materials, 2018, 8, 1800140.	10.2	129
118	Semimetallic vanadium molybdenum sulfide for high-performance battery electrodes. Journal of Materials Chemistry A, 2018, 6, 9411-9419.	5.2	73
119	A novel aluminum dual-ion battery. Energy Storage Materials, 2018, 11, 91-99.	9.5	123
120	Ultrathin Honeycomb-like Carbon as Sulfur Host Cathode for High Performance Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2018, 1, 7076-7084.	2.5	17
121	Super long-life potassium-ion batteries based on an antimony@carbon composite anode. Chemical Communications, 2018, 54, 11773-11776.	2.2	97
122	An Ultrafast and Highly Stable Potassiumâ€“Organic Battery. Advanced Materials, 2018, 30, e1805486.	11.1	255
123	Low-temperature synthesis of edge-rich graphene paper for high-performance aluminum batteries. Energy Storage Materials, 2018, 15, 361-367.	9.5	73
124	Ultrastable Potassium Storage Performance Realized by Highly Effective Solid Electrolyte Interphase Layer. Small, 2018, 14, e1801806.	5.2	175
125	Ultra-stable sodium ion battery cathode realized by Cu7S4 nanoparticles. Journal of Power Sources, 2018, 399, 105-114.	4.0	24
126	Simultaneous Suppression of the Dendrite Formation and Shuttle Effect in a Lithiumâ€“Sulfur Battery by Bilateral Solid Electrolyte Interface. Advanced Science, 2018, 5, 1700934.	5.6	70

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127	TiO2 quantum dots decorated multi-walled carbon nanotubes as the multifunctional separator for highly stable lithium sulfur batteries. Electrochimica Acta, 2018, 284, 314-320.	2.6	61
128	Carbon Nanoscrolls for Aluminum Battery. ACS Nano, 2018, 12, 8456-8466.	7.3	165
129	MoSe₂/Nâ€Doped Carbon as Anodes for Potassiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1801477.	10.2	391
130	Large-scale production of silicon nanoparticles@graphene embedded in nanotubes as ultra-robust battery anodes. Journal of Materials Chemistry A, 2017, 5, 4809-4817.	5.2	61
131	Coreâ€“shell ZnCo₂O₄@TiO₂ nanowall arrays as anodes for lithium ion batteries. Nanotechnology, 2017, 28, 165403.	1.3	14
132	Carbon Thin Film Wrapped around a Threeâ€Dimensional Nitrogenâ€Doped Carbon Scaffold for Superiorâ€Performance Supercapacitors. Chemistry - A European Journal, 2017, 23, 9641-9646.	1.7	13
133	An Organic Cathode for Potassium Dual-Ion Full Battery. ACS Energy Letters, 2017, 2, 1614-1620.	8.8	216
134	Potassiumâ€Based Dual Ion Battery with Dualâ€Graphite Electrode. Small, 2017, 13, 1701011.	5.2	166
135	Î²-FeOOH on carbon nanotubes as a cathode material for Na-ion batteries. Energy Storage Materials, 2017, 8, 147-152.	9.5	52
136	Double quantum dots decorated 3D graphene flowers for highly efficient photoelectrocatalytic hydrogen production. Applied Surface Science, 2017, 422, 528-535.	3.1	25
137	100 K cycles: Core-shell H-FeS@C based lithium-ion battery anode. Energy Storage Materials, 2017, 8, 20-27.	9.5	58
138	Soft Carbon as Anode for Highâ€Performance Sodiumâ€Based Dual Ion Full Battery. Advanced Energy Materials, 2017, 7, 1602778.	10.2	255
139	Freestanding flexible Ni12P5 in bacteria based carbon @ reduced graphene oxides paper for lithium-ion anode. Materials Letters, 2017, 207, 153-156.	1.3	11
140	Graphene Nanoribbons on Highly Porous 3D Graphene for Highâ€Capacity and Ultrastable Alâ€Ion Batteries. Advanced Materials, 2017, 29, 1604118.	11.1	293
141	An Iodine Quantum Dots Based Rechargeable Sodiumâ€“Iodine Battery. Advanced Energy Materials, 2017, 7, 1601885.	10.2	104
142	Crumpled ZnMn₂O₄ Nanosheets for Longâ€Termâ€Cycling Lithiumâ€Ion Battery Anodes. Energy Technology, 2016, 4, 1106-1111.	1.8	28
143	Coreâ€“Shell Ge@Graphene@TiO₂ Nanofibers as a Highâ€Capacity and Cycleâ€Stable Anode for Lithium and Sodium Ion Battery. Advanced Functional Materials, 2016, 26, 1104-1111.	7.8	265
144	Reactive Oxygenâ€Doped 3D Interdigital Carbonaceous Materials for Li and Na Ion Batteries. Small, 2016, 12, 2783-2791.	5.2	102

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145	Battery Anodes: Coreâ€“Shell Ge@Graphene@TiO₂ Nanofibers as a Highâ€Capacity and Cycleâ€Stable Anode for Lithium and Sodium Ion Battery (Adv. Funct. Mater. 7/2016). Advanced Functional Materials, 2016, 26, 1143-1143.	7.8	12
146	NiO and CrO 3 double surface-decorate Ni nanofibers for hydrogen evolution reduction. Materials Letters, 2016, 182, 15-18.	1.3	16
147	Strongly coupled MoS2â€“3D graphene materials for ultrafast charge slow discharge LIBs and water splitting applications. Energy Storage Materials, 2016, 4, 84-91.	9.5	55
148	Bacteria Absorption-Based Mn₂P₂O₇â€“Carbon@Reduced Graphene Oxides for High-Performance Lithium-Ion Battery Anodes. ACS Nano, 2016, 10, 5516-5524.	7.3	81
149	RuO₂@Co₃O₄ heterogeneous nanofibers: a high-performance electrode material for supercapacitors. RSC Advances, 2016, 6, 49173-49178.	1.7	16
150	Covalent sulfur for advanced room temperature sodium-sulfur batteries. Nano Energy, 2016, 28, 304-310.	8.2	164
151	Atomic-Scale Control of Silicon Expansion Space as Ultrastable Battery Anodes. ACS Nano, 2016, 10, 8243-8251.	7.3	128
152	A hyperaccumulation pathway to three-dimensional hierarchical porous nanocomposites for highly robust high-power electrodes. Nature Communications, 2016, 7, 13432.	5.8	68
153	Ultra-uniform CuO/Cu in nitrogen-doped carbon nanofibers as a stable anode for Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10585-10592.	5.2	59
154	3D-Frame Structure NiO@CNTs for Ultrafast Charge Slow Discharge Lithium Ion Batteries. Electrochimica Acta, 2016, 210, 456-461.	2.6	13
155	Electrospun Lotus Root-like CoMoO4@Graphene Nanofibers as High-Performance Anode for Lithium Ion Batteries. Electrochimica Acta, 2016, 196, 125-130.	2.6	63
156	Ultraâ€Efficient Photocatalytic Properties in Porous Tungsten Oxide/Graphene Film under Visible Light Irradiation. Advanced Science, 2015, 2, 1500116.	5.6	23
157	Blending Cr₂O₃ into a NiOâ€“Ni Electrocatalyst for Sustained Water Splitting. Angewandte Chemie - International Edition, 2015, 54, 11989-11993.	7.2	172
158	Graphene: Ultra-Efficient Photocatalytic Properties in Porous Tungsten Oxide/Graphene Film under Visible Light Irradiation (Adv. Sci. 12/2015). Advanced Science, 2015, 2, .	5.6	0
159	Graphene and graphene oxide double decorated SnO₂ nanofibers with enhanced humidity sensing performance. RSC Advances, 2015, 5, 72046-72050.	1.7	21
160	Electrospinning preparation of ultra-long aligned nanofibers thin films for high performance fully flexible lithium-ion batteries. Nano Energy, 2015, 12, 339-346.	8.2	81
161	An ultrafast rechargeable aluminium-ion battery. Nature, 2015, 520, 324-328.	13.7	1,970
162	Elastic Reduced Graphene Oxide Nanosheets Embedded in Germanium Nanofiber Matrix as Anode Material for High-Performance Li-Ion Battery. Electrochimica Acta, 2015, 186, 64-70.	2.6	26

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163	Super-Long Life Supercapacitors Based on the Construction of Ni foam/graphene/Co3S4 Composite film hybrid electrodes. Electrochimica Acta, 2014, 132, 180-185.	2.6	84
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