

Haiyan Wang

List of Publications by Year in descending order

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159
papers

11,320
citations

26630

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160
all docs

160
docs citations

160
times ranked

9175
citing authors

#	ARTICLE	IF	CITATIONS
1	Micropores regulating enables advanced carbon sphere catalyst for Zn-air batteries. Green Energy and Environment, 2023, 8, 308-317.	8.7	6
2	Intrinsically zincophobic protective layer for dendrite-free zinc metal anode. Chinese Chemical Letters, 2022, 33, 2653-2657.	9.0	22
3	Revealing the Two-Dimensional Surface Diffusion Mechanism for Zinc Dendrite Formation on Zinc Anode. Small, 2022, 18, e2104148.	10.0	66
4	Oxygen plasma induced interfacial CoOx/Phthalocyanine Cobalt as bifunctional electrocatalyst towards oxygen-involving reactions. International Journal of Hydrogen Energy, 2022, 47, 9905-9914.	7.1	11
5	Lithium reduction reaction for interfacial regulation of lithium metal anode. Chemical Communications, 2022, 58, 2597-2611.	4.1	14
6	A dual-electrolyte system for highly efficient Al-air batteries. Chemical Communications, 2022, 58, 3282-3285.	4.1	12
7	Electrochemical interface reconstruction to eliminate surface heterogeneity for dendrite-free zinc anodes. Energy Storage Materials, 2022, 47, 319-326.	18.0	39
8	Regulating solvation and interface chemistry to inhibit corrosion of the aluminum anode in aluminum-air batteries. Journal of Materials Chemistry A, 2022, 10, 9506-9514.	10.3	17
9	Electrode-Electrolyte Interfacial Chemistry Modulation for Ultra-High Rate Sodium-Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	16
10	Interfacial Reviving of the Degraded $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ Cathode by LiPO_3 Repair Strategy. Small, 2022, 18, e2107346.	10.0	11
11	Electrode-Electrolyte Interfacial Chemistry Modulation for Ultra-High Rate Sodium-Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	74
12	Modification on water electrochemical environment for durable Al-Air Battery: Achieved by a Low-Cost sucrose additive. Chemical Engineering Journal, 2022, 438, 135538.	12.7	30
13	Synergistic regulating the aluminum corrosion by ellagic acid and sodium stannate hybrid additives for advanced aluminum-air battery. Electrochimica Acta, 2022, 417, 140311.	5.2	17
14	An Electrochemical Sensor Based on a Nitrogen-Doped Carbon Material and PEI Composites for Sensitive Detection of 4-Nitrophenol. Nanomaterials, 2022, 12, 86.	4.1	8
15	Turn "Waste" into Wealth: A Facile Reviving Strategy for Degraded Ni-Rich $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ Cathodes. Industrial & Engineering Chemistry Research, 2022, 61, 141-151.	3.7	7
16	Renewable waste biomass-derived carbon materials for energy storage. Journal Physics D: Applied Physics, 2022, 55, 313002.	2.8	14
17	Regulating closed pore structure enables significantly improved sodium storage for hard carbon pyrolyzing at relatively low temperature. SusMat, 2022, 2, 357-367.	14.9	31
18	Engineering hierarchical structure and surface of $\text{Na}_4\text{MnV}(\text{PO}_4)_3$ for ultrafast sodium storage by a scalable ball milling approach. Nano Energy, 2022, 99, 107396.	16.0	22

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19	A piece of common cellulose paper but with outstanding functions for advanced aqueous zinc-ion batteries. <i>Materials Today Energy</i> , 2022, 28, 101076.	4.7	27
20	A high-capacity self-sacrificial additive based on electroactive sodiated carbonyl groups for sodium-ion batteries. <i>Chemical Communications</i> , 2022, 58, 8702-8705.	4.1	3
21	Engineering Crystal Orientation of Cathode for Advanced Lithium-Ion Batteries: A Minireview. <i>Chemical Record</i> , 2022, 22, .	5.8	11
22	Non-flammable ultralow concentration mixed ether electrolyte for advanced lithium metal batteries. <i>Energy Storage Materials</i> , 2022, 51, 660-670.	18.0	22
23	Oxygen Vacancy Engineering in Titanium Dioxide for Sodium Storage. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3-19.	3.3	27
24	High-power double-face flow Al-air battery enabled by CeO ₂ decorated MnOOH nanorods catalyst. <i>Chemical Engineering Journal</i> , 2021, 406, 126772.	12.7	37
25	A Three in One Strategy to Achieve Zirconium Doping, Boron Doping, and Interfacial Coating for Stable LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Cathode. <i>Advanced Science</i> , 2021, 8, 2001809.	11.2	63
26	A Review of Al Alloy Anodes for Al-Air Batteries in Neutral and Alkaline Aqueous Electrolytes. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 309-320.	2.9	26
27	Sulfur and nitrogen-doped Li ₄ Ti ₅ O ₁₂ /rGO as an anode material for advanced sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 857, 158190.	5.5	22
28	Scalable slurry-coating induced integrated 3D lithiophilic architecture for stable lithium metal anodes. <i>Journal of Power Sources</i> , 2021, 485, 229334.	7.8	15
29	Sodium citrate as a self-sacrificial sodium compensation additive for sodium-ion batteries. <i>Chemical Communications</i> , 2021, 57, 4243-4246.	4.1	31
30	Defect engineering of molybdenum disulfide for energy storage. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5880-5896.	5.9	25
31	AtPHB2 regulates salt stress response in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2021, 94, 23-32.	3.4	0
32	Dual carbon coating engineering endows hollow structured TiO ₂ with superior sodium storage performance. <i>Journal of Power Sources</i> , 2021, 489, 229516.	7.8	15
33	Electron-Injection-Engineering Induced Phase Transition toward Stabilized 1T-MoS ₂ with Extraordinary Sodium Storage Performance. <i>ACS Nano</i> , 2021, 15, 8896-8906.	14.6	77
34	Selective Interface Synthesis of Cobalt Metaphosphate Nanosheet Arrays Motivated by Functionalized Carbon Cloths for Fast and Durable Na/K-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34410-34418.	8.0	8
35	Emerging mechanisms and targeted therapy of ferroptosis in cancer. <i>Molecular Therapy</i> , 2021, 29, 2185-2208.	8.2	134
36	Cu/Cu ₂ O nanoparticles co-regulated carbon catalyst for alkaline Al-air batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 2427-2432.	9.0	14

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37	Oxocarbons Electrode Materials for Alkali Ion Batteries: Challenges, Strategies and Development. Batteries and Supercaps, 2021, 4, 1791-1802.	4.7	2
38	Dual-Element-Modified Single-Crystal $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ as a Highly Stable Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 43039-43050.	8.0	44
39	Porous Fe_2O_3 Nanoparticles as Lithium-Ion Battery Anode Materials. ACS Applied Nano Materials, 2021, 4, 8744-8752.	5.0	31
40	Issues and rational design of aqueous electrolyte for Zn-ion batteries. SusMat, 2021, 1, 432-447.	14.9	62
41	Molybdenum host and interphase induced decentralized lithium deposition for dendrite-free lithium metal anodes. Chemical Engineering Journal, 2021, 426, 131110.	12.7	9
42	Advanced cathodes for potassium-ion batteries with layered transition metal oxides: a review. Journal of Materials Chemistry A, 2021, 9, 8221-8247.	10.3	37
43	A progressive nucleation mechanism enables stable zinc stripping“plating behavior. Energy and Environmental Science, 2021, 14, 5563-5571.	30.8	141
44	In-situ formation of hybrid $\text{Li}_3\text{PO}_4\text{-AlPO}_4\text{-Al(PO}_3)_3$ coating layer on $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ cathode with enhanced electrochemical properties for lithium-ion battery. Chemical Engineering Journal, 2020, 382, 122959.	12.7	149
45	Understanding the synergistic effect of alkyl polyglucoside and potassium stannate as advanced hybrid corrosion inhibitor for alkaline aluminum-air battery. Chemical Engineering Journal, 2020, 383, 123162.	12.7	88
46	Ti^{3+} self-doped $\text{Li}_4\text{Ti}_5\text{O}_{12}$ with rich oxygen vacancies for advanced lithium-ion batteries. Ionics, 2020, 26, 1739-1747.	2.4	25
47	Porous lithium titanate nanosheets as an advanced anode material for sodium ion batteries. Journal of Materials Science, 2020, 55, 4372-4381.	3.7	12
48	Phosphoric acid induced homogeneous crosslinked phosphorus doped porous Si nanoparticles with superior lithium storage performance. Applied Surface Science, 2020, 509, 144873.	6.1	21
49	Insights into KMnO_4 etched N-rich carbon nanotubes as advanced electrocatalysts for Zn-air batteries. Applied Catalysis B: Environmental, 2020, 264, 118537.	20.2	81
50	Titanium Monoxide-Stabilized Silicon Nanoparticles with a Litchi-like Structure as an Advanced Anode for Li-ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 48467-48475.	8.0	29
51	The fabrication of hierarchical $\text{MoO}_2\text{@MoS}_2\text{/rGO}$ composite as high reversible anode material for lithium ion batteries. Electrochimica Acta, 2020, 364, 136996.	5.2	19
52	Engineering the crystal orientation of $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_3\text{@rGO}$ microcuboids for advanced sodium-ion batteries. Materials Chemistry Frontiers, 2020, 4, 2932-2942.	5.9	46
53	Facile Fabrication of $\text{CeO}_2\text{/Electrochemically Reduced Graphene Oxide}$ Nanocomposites for Vanillin Detection in Commercial Food Products. Nanomaterials, 2020, 10, 1356.	4.1	17
54	Nickel Nanoparticles Supported on Nitrogen-Doped Carbon for Vanillin Detection. ACS Applied Nano Materials, 2020, 3, 11791-11800.	5.0	10

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55	Revealing the role of crystal orientation of protective layers for stable zinc anode. Nature Communications, 2020, 11, 3961.	12.8	378
56	Issues and solutions toward zinc anode in aqueous zinc-ion batteries: A mini review. , 2020, 2, 540-560.		225
57	Simultaneously Regulating the Ion Distribution and Electric Field to Achieve Dendrite-Free Zn Anode. Small, 2020, 16, e2000929.	10.0	106
58	Advanced Filter Membrane Separator for Aqueous Zinc-ion Batteries. Small, 2020, 16, e2003106.	10.0	118
59	Advanced Materials Prepared via Metallic Reduction Reactions for Electrochemical Energy Storage. Small Methods, 2020, 4, 2000613.	8.6	15
60	A comprehensive review on the fabrication, modification and applications of $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_3$ cathodes. Journal of Materials Chemistry A, 2020, 8, 21387-21407.	10.3	65
61	Three-dimensional porous CoNiO_2 @reduced graphene oxide nanosheet arrays/nickel foam as a highly efficient bifunctional electrocatalyst for overall water splitting. Tungsten, 2020, 2, 390-402.	4.8	58
62	Hybrid high-concentration electrolyte significantly strengthens the practicability of alkaline aluminum-air battery. Energy Storage Materials, 2020, 31, 310-317.	18.0	67
63	Nano-size porous carbon spheres as a high-capacity anode with high initial coulombic efficiency for potassium-ion batteries. Nanoscale Horizons, 2020, 5, 895-903.	8.0	42
64	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-ion Batteries. Angewandte Chemie, 2020, 132, 13280-13291.	2.0	40
65	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 13180-13191.	13.8	727
66	How does Molybdenum Disulfide Store Charge: A Mini-review. ChemSusChem, 2020, 13, 1354-1365.	6.8	30
67	Sn layer decorated copper mesh with superior lithiophilicity for stable lithium metal anode. Chemical Engineering Journal, 2020, 395, 124922.	12.7	61
68	Advancements and Challenges in Potassium Ion Batteries: A Comprehensive Review. Advanced Functional Materials, 2020, 30, 1909486.	14.9	570
69	The cross-talk between methylation and phosphorylation in lymphoid-specific helicase drives cancer stem-like properties. Signal Transduction and Targeted Therapy, 2020, 5, 197.	17.1	24
70	Understanding the sodium storage mechanisms of organic electrodes in sodium ion batteries: issues and solutions. Energy and Environmental Science, 2020, 13, 1568-1592.	30.8	140
71	Recent Progress and Future Trends of Aluminum Batteries. Energy Technology, 2019, 7, 86-106.	3.8	85
72	Plasma-Strengthened Lithiophilicity of Copper Oxide Nanosheet-Decorated Cu Foil for Stable Lithium Metal Anode. Advanced Science, 2019, 6, 1901433.	11.2	106

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73	Single iron atoms stabilized by microporous defects of biomass-derived carbon aerogels as high-performance cathode electrocatalysts for aluminum-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20840-20846.	10.3	68
74	The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15841-15847.	13.8	648
75	Nitrogen Plasma-Treated Core-Shell Si@SiO ₂ @TiO ₂ : Nanoparticles with Significantly Improved Lithium Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27658-27666.	8.0	44
76	Engineering the trap effect of residual oxygen atoms and defects in hard carbon anode towards high initial Coulombic efficiency. <i>Nano Energy</i> , 2019, 64, 103937.	16.0	118
77	Transcriptome profiling analysis of sex-based differentially expressed mRNAs and lncRNAs in the brains of mature zebrafish (<i>Danio rerio</i>). <i>BMC Genomics</i> , 2019, 20, 830.	2.8	16
78	Titelbild: The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive (<i>Angew. Chem.</i> 44/2019). <i>Angewandte Chemie</i> , 2019, 131, 15701-15701.	2.0	4
79	The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive. <i>Angewandte Chemie</i> , 2019, 131, 15988-15994.	2.0	116
80	Anion Vacancies Regulating Endows MoSSe with Fast and Stable Potassium Ion Storage. <i>ACS Nano</i> , 2019, 13, 11843-11852.	14.6	210
81	Plasma-treated Ti ³⁺ -doped sodium titanate nanosheet arrays on titanium foil as a lithiophilic current collector for a stable lithium metal anode. <i>Chemical Communications</i> , 2019, 55, 6551-6554.	4.1	17
82	Understanding and improving the initial Coulombic efficiency of high-capacity anode materials for practical sodium ion batteries. <i>Energy Storage Materials</i> , 2019, 23, 233-251.	18.0	279
83	Enhanced Electrochemical Properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ at Elevated Temperature by Simultaneous Structure and Interface Regulating. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1439-A1448.	2.9	44
84	1T MoS ₂ nanosheets with extraordinary sodium storage properties via thermal-driven ion intercalation assisted exfoliation of bulky MoS ₂ . <i>Nano Energy</i> , 2019, 61, 361-369.	16.0	157
85	Reviving bulky MoS ₂ as an advanced anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10988-10997.	10.3	36
86	Synergistic effect of N-doping and rich oxygen vacancies induced by nitrogen plasma endows TiO ₂ superior sodium storage performance. <i>Electrochimica Acta</i> , 2019, 309, 242-252.	5.2	44
87	Synthesis and electrochemical performances of Na ₃ V ₂ (PO ₄) ₂ F ₃ /C composites as cathode materials for sodium ion batteries. <i>RSC Advances</i> , 2019, 9, 30628-30636.	3.6	33
88	Tuning nitrogen species in three-dimensional porous carbon via phosphorus doping for ultra-fast potassium storage. <i>Nano Energy</i> , 2019, 57, 728-736.	16.0	323
89	Comprehensive analysis of lncRNA-associated ceRNA network in colorectal cancer. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 374-379.	2.1	44
90	Facile preparation of robust porous MoS ₂ /C nanosheet networks as anode material for sodium ion batteries. <i>Journal of Materials Science</i> , 2019, 54, 2472-2482.	3.7	18

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91	Boosting oxygen reduction activity of Fe-N-C by partial copper substitution to iron in Al-air batteries. Applied Catalysis B: Environmental, 2019, 242, 209-217.	20.2	121
92	Identification and meta-analysis of copy number variation-driven circadian clock genes for colorectal cancer. Oncology Letters, 2019, 18, 4816-4824.	1.8	6
93	On an easy way to prepare highly efficient Fe/N-co-doped carbon nanotube/nanoparticle composite for oxygen reduction reaction in Al-air batteries. Journal of Materials Science, 2018, 53, 10280-10291.	3.7	21
94	MoS ₂ /Graphene Nanosheets from Commercial Bulky MoS ₂ and Graphite as Anode Materials for High Rate Sodium-ion Batteries. Advanced Energy Materials, 2018, 8, 1702383.	19.5	350
95	TiO ₂ @C nanosheets with highly exposed (0 0 1) facets as a high-capacity anode for Na-ion batteries. Chemical Engineering Journal, 2018, 332, 57-65.	12.7	66
96	Cu-MOF-Derived Cu/Cu ₂ O Nanoparticles and CuN _x C _y Species to Boost Oxygen Reduction Activity of Ketjenblack Carbon in Al-Air Battery. ACS Sustainable Chemistry and Engineering, 2018, 6, 413-421.	6.7	105
97	Structure-dependent performance of TiO ₂ /C as anode material for Na-ion batteries. Nano Energy, 2018, 44, 217-227.	16.0	209
98	Enhanced sodium ion storage performance of Na ₃ V ₂ (PO ₄) ₃ with N-doped carbon by folic acid as carbon-nitrogen source. Journal of Alloys and Compounds, 2018, 732, 454-459.	5.5	36
99	Two-step carbon modification of NaTi ₂ (PO ₄) ₃ with improved sodium storage performance for Na-ion batteries. Journal of Central South University, 2018, 25, 2320-2331.	3.0	16
100	A Strategy to Achieve Well-Dispersed Hollow Nitrogen-Doped Carbon Microspheres with Trace Iron for Highly Efficient Oxygen Reduction Reaction in Al-Air Batteries. Journal of the Electrochemical Society, 2018, 165, A3766-A3772.	2.9	8
101	Size controlling and surface engineering enable NaTi ₂ (PO ₄) ₃ /C outstanding sodium storage properties. Electrochimica Acta, 2018, 289, 21-28.	5.2	28
102	Adjusting the yolk-shell structure of carbon spheres to boost the capacitive K ⁺ storage ability. Journal of Materials Chemistry A, 2018, 6, 23318-23325.	10.3	69
103	A facile annealing strategy for achieving <i>in situ</i> controllable Cu ₂ O nanoparticle decorated copper foil as a current collector for stable lithium metal anodes. Journal of Materials Chemistry A, 2018, 6, 18444-18448.	10.3	70
104	N-doped carbon coated LiTi ₂ (PO ₄) ₃ as superior anode using PANi as carbon and nitrogen bi-sources for aqueous lithium ion battery. Electrochimica Acta, 2018, 279, 279-288.	5.2	72
105	New Binder-Free Metal Phosphide-Carbon Felt Composite Anodes for Sodium-ion Battery. Advanced Energy Materials, 2018, 8, 1801197.	19.5	113
106	Influence of Iron Source Type on the Electrocatalytic Activity toward Oxygen Reduction Reaction in Fe-N/C for Al-Air Batteries. Journal of the Electrochemical Society, 2018, 165, F662-F670.	2.9	14
107	Facile synthesis of TiP ₂ O ₇ /C nanoparticles as a competitive anode for aqueous lithium ion batteries. Electrochimica Acta, 2018, 278, 42-50.	5.2	21
108	Plasma-Induced Amorphous Shell and Deep Cation-Site S Doping Endow TiO ₂ with Extraordinary Sodium Storage Performance. Advanced Materials, 2018, 30, e1801013.	21.0	180

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109	Core-shell Co/CoN _x @C nanoparticles enfolded by Co-N doped carbon nanosheets as a highly efficient electrocatalyst for oxygen reduction reaction. Carbon, 2018, 138, 300-308.	10.3	53
110	Surface engineering induced core-shell Prussian blue@polyaniline nanocubes as a high-rate and long-life sodium-ion battery cathode. Journal of Power Sources, 2018, 395, 305-313.	7.8	89
111	Evaluation of Intravenous Parecoxib Infusion Pump of Patient-Controlled Analgesia Compared to Fentanyl for Postoperative Pain Management in Laparoscopic Liver Resection. Medical Science Monitor, 2018, 24, 8224-8231.	1.1	5
112	Iron-Doped Cauliflower-Like Rutile TiO ₂ with Superior Sodium Storage Properties. ACS Applied Materials & Interfaces, 2017, 9, 6093-6103.	8.0	125
113	Tuning the Morphologies of MnO/C Hybrids by Space Constraint Assembly of Mn-MOFs for High Performance Li Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 5254-5262.	8.0	129
114	Co ₃ O ₄ /Co-N-C modified ketjenblack carbon as an advanced electrocatalyst for Al-air batteries. Journal of Power Sources, 2017, 343, 30-38.	7.8	99
115	Hierarchical yolk-shell layered potassium niobate for tuned pH-dependent photocatalytic H ₂ evolution. Catalysis Science and Technology, 2017, 7, 1000-1005.	4.1	27
116	Fe ₃ C@Fe/N Doped Graphene-Like Carbon Sheets as a Highly Efficient Catalyst in Al-Air Batteries. Journal of the Electrochemical Society, 2017, 164, F475-F483.	2.9	34
117	Defect-rich TiO ₂ - γ nanocrystals confined in a mooncake-shaped porous carbon matrix as an advanced Na ion battery anode. Journal of Power Sources, 2017, 354, 179-188.	7.8	87
118	Core-Bishell Fe-Ni@Fe ₃ O ₄ @C Nanoparticles as an Advanced Anode for Rechargeable Nickel-Iron Battery. Journal of the Electrochemical Society, 2017, 164, A1333-A1338.	2.9	10
119	Hierarchical NiCo ₂ O ₄ Micro- and Nanostructures with Tunable Morphologies as Anode Materials for Lithium- and Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 16194-16201.	8.0	85
120	Electrochemical presodiation promoting lithium storage performance of Mo-based anode materials. Ceramics International, 2017, 43, 11967-11972.	4.8	13
121	Fe/N co-doped carbon materials with controllable structure as highly efficient electrocatalysts for oxygen reduction reaction in Al-air batteries. Energy Storage Materials, 2017, 8, 49-58.	18.0	70
122	N-doped rutile TiO ₂ /C with significantly enhanced Na storage capacity for Na-ion batteries. Electrochimica Acta, 2017, 236, 43-52.	5.2	74
123	Carbon-Based Electrocatalysts for Hydrogen and Oxygen Evolution Reactions. ACS Catalysis, 2017, 7, 7855-7865.	11.2	406
124	Porous spherical Na ₃ V ₂ (PO ₄) ₃ /C composites synthesized via a spray drying -assisted process with high-rate performance as cathode materials for sodium-ion batteries. Solid State Ionics, 2017, 308, 161-166.	2.7	35
125	Enhanced electrochemical properties of Li ₂ ZnTi ₃ O ₈ /C nanocomposite synthesized with phenolic resin as carbon source. Journal of Solid State Electrochemistry, 2017, 21, 125-131.	2.5	10
126	Advanced LiTi ₂ (PO ₄) ₃ /C anode by incorporation of carbon nanotubes for aqueous lithium-ion batteries. Ionics, 2017, 23, 575-583.	2.4	32

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127	Functional characterization of a type 2 metallothionein gene, SsMT2, from alkaline-tolerant Suaeda salsa. Scientific Reports, 2017, 7, 17914.	3.3	43
128	Co ₃ O ₄ @CeO ₂ /C as a Highly Active Electrocatalyst for Oxygen Reduction Reaction in Al ⁺ Air Batteries. ACS Applied Materials & Interfaces, 2016, 8, 34422-34430.	8.0	159
129	Synthesis and high cycle performance of Li ₂ ZnTi ₃ O ₈ /C anode material promoted by asphalt as a carbon precursor. RSC Advances, 2016, 6, 49298-49306.	3.6	22
130	Na ⁺ and Zr ⁴⁺ co-doped Li ₄ Ti ₅ O ₁₂ as anode materials with superior electrochemical performance for lithium ion batteries. RSC Advances, 2016, 6, 90455-90461.	3.6	23
131	Electrochemical Properties of Rutile TiO ₂ Nanorod Array in Lithium Hydroxide Solution. Nanoscale Research Letters, 2016, 11, 448.	5.7	8
132	Solvothermal synthesis and self-assembling mechanism of micro-nano spherical LiFePO ₄ with high tap density. RSC Advances, 2016, 6, 75602-75608.	3.6	13
133	N-Doped carbon supported Co ₃ O ₄ nanoparticles as an advanced electrocatalyst for the oxygen reduction reaction in Al ⁺ air batteries. RSC Advances, 2016, 6, 55552-55559.	3.6	36
134	Facile synthesis and lithium storage performance of (NH ₄) ₂ V ₃ O ₈ nanoflakes. Journal of Applied Electrochemistry, 2016, 46, 879-885.	2.9	24
135	Long-lived Aqueous Rechargeable Lithium Batteries Using Mesoporous LiTi ₂ (PO ₄) ₃ @C Anode. Scientific Reports, 2015, 5, 17452.	3.3	43
136	Synergistically enhanced oxygen reduction activity of MnO _x @CeO ₂ /Ketjenblack composites. Chemical Communications, 2015, 51, 10123-10126.	4.1	69
137	Advanced aqueous rechargeable lithium battery using nanoparticulate LiTi ₂ (PO ₄) ₃ /C as a superior anode. Scientific Reports, 2015, 5, 10733.	3.3	46
138	High-Rate LiTi ₂ (PO ₄) ₃ @N-C Composite via Bi-nitrogen Sources Doping. ACS Applied Materials & Interfaces, 2015, 7, 28337-28345.	8.0	77
139	NiCo ₂ O ₄ /N-doped graphene as an advanced electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2015, 280, 640-648.	7.8	112
140	Multi-layered Al ₂ O ₃ /Li ₂ V ₂ O ₅ /LiV ₃ O ₈ nanoflakes with superior cycling stability as cathode material for Li-ion battery. Electrochimica Acta, 2015, 157, 211-217.	5.2	14
141	High performance Li ₄ Ti ₅ O ₁₂ /CN anode material promoted by melamine-formaldehyde resin as carbon-nitrogen precursor. RSC Advances, 2015, 5, 55994-56000.	3.6	11
142	Synthesis and characterization of VO ₂ (B)/graphene nanocomposite for supercapacitors. Journal of Materials Science: Materials in Electronics, 2015, 26, 4226-4233.	2.2	36
143	Three-Dimensional MnCo ₂ O _{4.5} Mesoporous Networks as an Electrocatalyst for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2015, 162, A2302-A2307.	2.9	18
144	Li ₄ Ti ₅ O ₁₂ /C anode material with high-rate performance using phenanthroline as carbon precursor. Ionics, 2015, 21, 629-634.	2.4	3

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145	Direct and indirect shoot and bulblet regeneration from cultured leaf explants of <i>Lilium pumilum</i> , an endangered species. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 69-75.	2.1	14
146	$\text{Li}_x\text{V}_2\text{O}_5/\text{LiV}_3\text{O}_8$ nanoflakes with significantly improved electrochemical performance for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8009-8016.	10.3	53
147	Aqueous rechargeable lithium batteries using $\text{NaV}_6\text{O}_{15}$ nanoflakes as high performance anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12999-13005.	10.3	75
148	Annealed NaV_3O_8 nanowires with good cycling stability as a novel cathode for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3563.	10.3	107
149	Nickel cobalt oxide/carbon nanotubes hybrid as a high-performance electrocatalyst for metal/air battery. <i>Nanoscale</i> , 2014, 6, 10235-10242.	5.6	112
150	Synthesis and electrochemical properties of NaV_3O_8 nanoflakes as high-performance cathode for Li-ion battery. <i>RSC Advances</i> , 2014, 4, 8328.	3.6	36
151	Nanoparticulate $\text{Mn}_{0.3}\text{Ce}_{0.7}\text{O}_2$: a novel electrocatalyst with improved power performance for metal/air batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12512.	10.3	47
152	Facile and green synthesis of Co_3O_4 nanoplates/graphene nanosheets composite for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3593-3602.	2.5	82
153	Synthesis of LiV_3O_8 nanosheets as a high-rate cathode material for rechargeable lithium batteries. <i>CrystEngComm</i> , 2012, 14, 2831.	2.6	44
154	$\text{NH}_4\text{V}_3\text{O}_8$ /carbon nanotubes composite cathode material with high capacity and good rate capability. <i>Journal of Power Sources</i> , 2011, 196, 9786-9791.	7.8	58
155	The effect of solid electrolyte interface formation conditions on the aging performance of Li-ion cells. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1987-1995.	2.5	31
156	Oxygen Evolution in Overcharged $\text{Li}_{1-x}\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Electrode and Its Thermal Analysis Kinetics. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1583-1588.	4.9	69
157	Thermal Behavior Investigation of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ -Based Li-ion Battery under Overcharged Test. <i>Chinese Journal of Chemistry</i> , 2011, 29, 27-32.	4.9	41
158	Wave propagation of functionally graded material plates in thermal environments. <i>Ultrasonics</i> , 2011, 51, 940-952.	3.9	30
159	Synthesis and characterization of spherical $\text{LiNi}_{0.7}\text{Co}_{0.15}\text{Mn}_{0.15}\text{O}_2$ via co-precipitation. , 2010, , .		0