Haiyan Wang

List of Publications by Year
in descending order

159 papers	11,320 citations	26567 56 h-index	33814 99 g-index
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.	4.7	6
2	Intrinsically zincophobic protective layer for dendrite-free zinc metal anode. Chinese Chemical Letters, 2022, 33, 2653-2657.	4.8	22
3	Revealing the Twoâ€Dimensional Surface Diffusion Mechanism for Zinc Dendrite Formation on Zinc Anode. Small, 2022, 18, e2104148.	5.2	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.	3.8	11
5	Lithium reduction reaction for interfacial regulation of lithium metal anode. Chemical Communications, 2022, 58, 2597-2611.	2.2	14
6	A dual-electrolyte system for highly efficient Alâ€“air batteries. Chemical Communications, 2022, 58, 3282-3285.	2.2	12
7	Electrochemical interface reconstruction to eliminate surface heterogeneity for dendrite-free zinc anodes. Energy Storage Materials, 2022, 47, 319-326.	9.5	39
8	Regulating solvation and interface chemistry to inhibit corrosion of the aluminum anode in aluminumâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 9506-9514.	5.2	17
9	Electrodeâ€“Electrolyte Interfacial Chemistry Modulation for Ultraâ€High Rate Sodiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	16
10	Interfacial Reviving of the Degraded LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode by LiPO₃ Repair Strategy. Small, 2022, 18, e2107346.	5.2	11
11	Electrodeâ€“Electrolyte Interfacial Chemistry Modulation for Ultraâ€High Rate Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	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.	6.6	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.	2.6	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.	1.9	8
15	Turn â€œWasteâ€•into Wealth: A Facile Reviving Strategy for Degraded Ni-Rich LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathodes. Industrial & Engineering Chemistry Research, 2022, 61, 141-151.	1.8	7
16	Renewable waste biomass-derived carbon materials for energy storage. Journal Physics D: Applied Physics, 2022, 55, 313002.	1.3	14
17	Regulating closed pore structure enables significantly improved sodium storage for hard carbon pyrolyzing at relatively low temperature. SusMat, 2022, 2, 357-367.	7.8	31
18	Engineering hierarchical structure and surface of Na4MnV(PO4)3 for ultrafast sodium storage by a scalable ball milling approach. Nano Energy, 2022, 99, 107396.	8.2	22

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19	A piece of common cellulose paper but with outstanding functions for advanced aqueous zinc-ion batteries. Materials Today Energy, 2022, 28, 101076.	2.5	27
20	A high-capacity self-sacrificial additive based on electroactive sodiated carbonyl groups for sodium-ion batteries. Chemical Communications, 2022, 58, 8702-8705.	2.2	3
21	Engineering Crystal Orientation of Cathode for Advanced Lithiumâ€ion Batteries: A Minireview. Chemical Record, 2022, 22, .	2.9	11
22	Non-flammable ultralow concentration mixed ether electrolyte for advanced lithium metal batteries. Energy Storage Materials, 2022, 51, 660-670.	9.5	22
23	Oxygen Vacancy Engineering in Titanium Dioxide for Sodium Storage. Chemistry - an Asian Journal, 2021, 16, 3-19.	1.7	27
24	High-power double-face flow Al-air battery enabled by CeO2 decorated MnOOH nanorods catalyst. Chemical Engineering Journal, 2021, 406, 126772.	6.6	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}O₂ Cathode. Advanced Science, 2021, 8, 2001809.	5.6	63
26	A Review of Al Alloy Anodes for Alâ€“Air Batteries in Neutral and Alkaline Aqueous Electrolytes. Acta Metallurgica Sinica (English Letters), 2021, 34, 309-320.	1.5	26
27	Sulfur and nitrogen-doped Li4Ti5O12/rGO as an anode material for advanced sodium-ion batteries. Journal of Alloys and Compounds, 2021, 857, 158190.	2.8	22
28	Scalable slurry-coating induced integrated 3D lithiophilic architecture for stable lithium metal anodes. Journal of Power Sources, 2021, 485, 229334.	4.0	15
29	Sodium citrate as a self-sacrificial sodium compensation additive for sodium-ion batteries. Chemical Communications, 2021, 57, 4243-4246.	2.2	31
30	Defect engineering of molybdenum disulfide for energy storage. Materials Chemistry Frontiers, 2021, 5, 5880-5896.	3.2	25
31	AtPHB2 regulates salt stress response in Arabidopsis thaliana. Plant Growth Regulation, 2021, 94, 23-32.	1.8	0
32	Dual carbon coating engineering endows hollow structured TiO2 with superior sodium storage performance. Journal of Power Sources, 2021, 489, 229516.	4.0	15
33	Electron-Injection-Engineering Induced Phase Transition toward Stabilized 1T-MoS₂ with Extraordinary Sodium Storage Performance. ACS Nano, 2021, 15, 8896-8906.	7.3	77
34	Selective Interface Synthesis of Cobalt Metaphosphate Nanosheet Arrays Motivated by Functionalized Carbon Cloths for Fast and Durable Na/K-Ion Storage. ACS Applied Materials & Interfaces, 2021, 13, 34410-34418.	4.0	8
35	Emerging mechanisms and targeted therapy of ferroptosis in cancer. Molecular Therapy, 2021, 29, 2185-2208.	3.7	134
36	Cu/Cu2O nanoparticles co-regulated carbon catalyst for alkaline Al-air batteries. Chinese Chemical Letters, 2021, 32, 2427-2432.	4.8	14

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37	Oxocarbons Electrode Materials for Alkali Ion Batteries: Challenges, Strategies and Development. Batteries and Supercaps, 2021, 4, 1791-1802.	2.4	2
38	Dual-Element-Modified Single-Crystal LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ as a Highly Stable Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 43039-43050.	4.0	44
39	Porous Fe₂O₃ Nanoparticles as Lithium-Ion Battery Anode Materials. ACS Applied Nano Materials, 2021, 4, 8744-8752.	2.4	31
40	Issues and rational design of aqueous electrolyte for Znâ€ion batteries. SusMat, 2021, 1, 432-447.	7.8	62
41	Molybdenum host and interphase induced decentralized lithium deposition for dendrite-free lithium metal anodes. Chemical Engineering Journal, 2021, 426, 131110.	6.6	9
42	Advanced cathodes for potassium-ion batteries with layered transition metal oxides: a review. Journal of Materials Chemistry A, 2021, 9, 8221-8247.	5.2	37
43	A progressive nucleation mechanism enables stable zinc strippingâ€“plating behavior. Energy and Environmental Science, 2021, 14, 5563-5571.	15.6	141
44	In-situ formation of hybrid Li3PO4-AlPO4-Al(PO3)3 coating layer on LiNi0.8Co0.1Mn0.1O2 cathode with enhanced electrochemical properties for lithium-ion battery. Chemical Engineering Journal, 2020, 382, 122959.	6.6	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.	6.6	88
46	Ti3+ self-doped Li4Ti5O12 with rich oxygen vacancies for advanced lithium-ion batteries. Ionics, 2020, 26, 1739-1747.	1.2	25
47	Porous lithium titanate nanosheets as an advanced anode material for sodium ion batteries. Journal of Materials Science, 2020, 55, 4372-4381.	1.7	12
48	Phosphoric acid induced homogeneous crosslinked phosphorus doped porous Si nanoparticles with superior lithium storage performance. Applied Surface Science, 2020, 509, 144873.	3.1	21
49	Insights into KMnO4 etched N-rich carbon nanotubes as advanced electrocatalysts for Zn-air batteries. Applied Catalysis B: Environmental, 2020, 264, 118537.	10.8	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.	4.0	29
51	The fabrication of hierarchical MoO2@MoS2/rGO composite as high reversible anode material for lithium ion batteries. Electrochimica Acta, 2020, 364, 136996.	2.6	19
52	Engineering the crystal orientation of Na₃V₂(PO₄)₂F₃@rGO microcuboids for advanced sodium-ion batteries. Materials Chemistry Frontiers, 2020, 4, 2932-2942.	3.2	46
53	Facile Fabrication of CeO2/Electrochemically Reduced Graphene Oxide Nanocomposites for Vanillin Detection in Commercial Food Products. Nanomaterials, 2020, 10, 1356.	1.9	17
54	Nickel Nanoparticles Supported on Nitrogen-Doped Carbon for Vanillin Detection. ACS Applied Nano Materials, 2020, 3, 11791-11800.	2.4	10

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55	Revealing the role of crystal orientation of protective layers for stable zinc anode. Nature Communications, 2020, 11, 3961.	5.8	378
56	Issues and solutions toward zinc anode in aqueous zincâ€ion batteries: A mini review. , 2020, 2, 540-560.		225
57	Simultaneously Regulating the Ion Distribution and Electric Field to Achieve Dendriteâ€Free Zn Anode. Small, 2020, 16, e2000929.	5.2	106
58	Advanced Filter Membrane Separator for Aqueous Zincâ€ion Batteries. Small, 2020, 16, e2003106.	5.2	118
59	Advanced Materials Prepared via Metallic Reduction Reactions for Electrochemical Energy Storage. Small Methods, 2020, 4, 2000613.	4.6	15
60	A comprehensive review on the fabrication, modification and applications of Na₃V₂(PO₄)₂F₃ cathodes. Journal of Materials Chemistry A, 2020, 8, 21387-21407.	5.2	65
61	Three-dimensional porous CoNiO2@reduced graphene oxide nanosheet arrays/nickel foam as a highly efficient bifunctional electrocatalyst for overall water splitting. Tungsten, 2020, 2, 390-402.	2.0	58
62	Hybrid high-concentration electrolyte significantly strengthens the practicability of alkaline aluminum-air battery. Energy Storage Materials, 2020, 31, 310-317.	9.5	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.	4.1	42
64	Interfacial Design of Dendriteâ€Free Zinc Anodes for Aqueous Zincâ€ion Batteries. Angewandte Chemie, 2020, 132, 13280-13291.	1.6	40
65	Interfacial Design of Dendriteâ€Free Zinc Anodes for Aqueous Zincâ€ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 13180-13191.	7.2	727
66	How does Molybdenum Disulfide Store Charge: Aâ€‰Minireview. ChemSusChem, 2020, 13, 1354-1365.	3.6	30
67	Sn layer decorated copper mesh with superior lithiophilicity for stable lithium metal anode. Chemical Engineering Journal, 2020, 395, 124922.	6.6	61
68	Advancements and Challenges in Potassium Ion Batteries: A Comprehensive Review. Advanced Functional Materials, 2020, 30, 1909486.	7.8	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.	7.1	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.	15.6	140
71	Recent Progress and Future Trends of Aluminum Batteries. Energy Technology, 2019, 7, 86-106.	1.8	85
72	Plasmaâ€Strengthened Lithiophilicity of Copper Oxide Nanosheetâ€“Decorated Cu Foil for Stable Lithium Metal Anode. Advanced Science, 2019, 6, 1901433.	5.6	106

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73	Single iron atoms stabilized by microporous defects of biomass-derived carbon aerogels as high-performance cathode electrocatalysts for aluminumâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 20840-20846.	5.2	68
74	The Threeâ€Dimensional Dendriteâ€Free Zinc Anode on a Copper Mesh with a Zincâ€Oriented Polyacrylamide Electrolyte Additive. Angewandte Chemie - International Edition, 2019, 58, 15841-15847.	7.2	648
75	Nitrogen Plasma-Treated Coreâ€“Bishell Si@SiO_x@TiO_{2â^Î´}: Nanoparticles with Significantly Improved Lithium Storage Performance. ACS Applied Materials & Interfaces, 2019, 11, 27658-27666.	4.0	44
76	Engineering the trap effect of residual oxygen atoms and defects in hard carbon anode towards high initial Coulombic efficiency. Nano Energy, 2019, 64, 103937.	8.2	118
77	Transcriptome profiling analysis of sex-based differentially expressed mRNAs and lncRNAs in the brains of mature zebrafish (Danio rerio). BMC Genomics, 2019, 20, 830.	1.2	16
78	Titelbild: The Threeâ€Dimensional Dendriteâ€Free Zinc Anode on a Copper Mesh with a Zincâ€Oriented Polyacrylamide Electrolyte Additive (Angew. Chem. 44/2019). Angewandte Chemie, 2019, 131, 15701-15701.	1.6	4
79	The Threeâ€Dimensional Dendriteâ€Free Zinc Anode on a Copper Mesh with a Zincâ€Oriented Polyacrylamide Electrolyte Additive. Angewandte Chemie, 2019, 131, 15988-15994.	1.6	116
80	Anion Vacancies Regulating Endows MoSSe with Fast and Stable Potassium Ion Storage. ACS Nano, 2019, 13, 11843-11852.	7.3	210
81	Plasma-treated Ti³⁺-doped sodium titanate nanosheet arrays on titanium foil as a lithiophilic current collector for a stable lithium metal anode. Chemical Communications, 2019, 55, 6551-6554.	2.2	17
82	Understanding and improving the initial Coulombic efficiency of high-capacity anode materials for practical sodium ion batteries. Energy Storage Materials, 2019, 23, 233-251.	9.5	279
83	Enhanced Electrochemical Properties of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ at Elevated Temperature by Simultaneous Structure and Interface Regulating. Journal of the Electrochemical Society, 2019, 166, A1439-A1448.	1.3	44
84	1T MoS2 nanosheets with extraordinary sodium storage properties via thermal-driven ion intercalation assisted exfoliation of bulky MoS2. Nano Energy, 2019, 61, 361-369.	8.2	157
85	Reviving bulky MoS₂ as an advanced anode for lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 10988-10997.	5.2	36
86	Synergistic effect of N-doping and rich oxygen vacancies induced by nitrogen plasma endows TiO2 superior sodium storage performance. Electrochimica Acta, 2019, 309, 242-252.	2.6	44
87	Synthesis and electrochemical performances of Na₃V₂(PO₄)₂F₃/C composites as cathode materials for sodium ion batteries. RSC Advances, 2019, 9, 30628-30636.	1.7	33
88	Tuning nitrogen species in three-dimensional porous carbon via phosphorus doping for ultra-fast potassium storage. Nano Energy, 2019, 57, 728-736.	8.2	323
89	Comprehensive analysis of lncRNA-associated ceRNA network in colorectal cancer. Biochemical and Biophysical Research Communications, 2019, 508, 374-379.	1.0	44
90	Facile preparation of robust porous MoS2/C nanosheet networks as anode material for sodium ion batteries. Journal of Materials Science, 2019, 54, 2472-2482.	1.7	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.	10.8	121
92	Identification and metaâ€'analysis of copy number variationâ€'driven circadian clock genes for colorectal cancer. Oncology Letters, 2019, 18, 4816-4824.	0.8	6
93	On an easy way to prepare highly efficient Fe/N-co-doped carbon nanotube/nanoparticle composite for oxygen reduction reaction in Alâ€"air batteries. Journal of Materials Science, 2018, 53, 10280-10291.	1.7	21
94	MoS₂/Graphene Nanosheets from Commercial Bulky MoS₂ and Graphite as Anode Materials for High Rate Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702383.	10.2	350
95	TiO2@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.	6.6	66
96	Cuâ€"MOF-Derived Cu/Cu₂O Nanoparticles and CuN_xC_y Species to Boost Oxygen Reduction Activity of Ketjenblack Carbon in Alâ€"Air Battery. ACS Sustainable Chemistry and Engineering, 2018, 6, 413-421.	3.2	105
97	Structure-dependent performance of TiO2/C as anode material for Na-ion batteries. Nano Energy, 2018, 44, 217-227.	8.2	209
98	Enhanced sodium ion storage performance of Na3V2(PO4)3 with N-doped carbon by folic acid as carbon-nitrogen source. Journal of Alloys and Compounds, 2018, 732, 454-459.	2.8	36
99	Two-step carbon modification of NaTi2(PO4)3 with improved sodium storage performance for Na-ion batteries. Journal of Central South University, 2018, 25, 2320-2331.	1.2	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.	1.3	8
101	Size controlling and surface engineering enable NaTi2(PO4)3/C outstanding sodium storage properties. Electrochimica Acta, 2018, 289, 21-28.	2.6	28
102	Adjusting the yolkâ€"shell structure of carbon spheres to boost the capacitive K⁺ storage ability. Journal of Materials Chemistry A, 2018, 6, 23318-23325.	5.2	69
103	A facile annealing strategy for achieving in situ controllable Cu₂O nanoparticle decorated copper foil as a current collector for stable lithium metal anodes. Journal of Materials Chemistry A, 2018, 6, 18444-18448.	5.2	70
104	N-doped carbon coated LiTi2(PO4)3 as superior anode using PANi as carbon and nitrogen bi-sources for aqueous lithium ion battery. Electrochimica Acta, 2018, 279, 279-288.	2.6	72
105	New Binderâ€Free Metal Phosphideâ€"Carbon Felt Composite Anodes for Sodiumâ€Ion Battery. Advanced Energy Materials, 2018, 8, 1801197.	10.2	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.	1.3	14
107	Facile synthesis of TiP2O7/C nanoparticles as a competitive anode for aqueous lithium ion batteries. Electrochimica Acta, 2018, 278, 42-50.	2.6	21
108	Plasmaâ€Induced Amorphous Shell and Deep Cationâ€Site S Doping Endow TiO₂ with Extraordinary Sodium Storage Performance. Advanced Materials, 2018, 30, e1801013.	11.1	180

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109	Core-shell Co/CoNx@C nanoparticles enfolded by Co-N doped carbon nanosheets as a highly efficient electrocatalyst for oxygen reduction reaction. Carbon, 2018, 138, 300-308.	5.4	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.	4.0	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.	0.5	5
112	Iron-Doped Cauliflower-Like Rutile TiO₂ with Superior Sodium Storage Properties. ACS Applied Materials & Interfaces, 2017, 9, 6093-6103.	4.0	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.	4.0	129
114	Co3O4/Co-N-C modified ketjenblack carbon as an advanced electrocatalyst for Al-air batteries. Journal of Power Sources, 2017, 343, 30-38.	4.0	99
115	Hierarchical yolkâ€“shell layered potassium niobate for tuned pH-dependent photocatalytic H₂ evolution. Catalysis Science and Technology, 2017, 7, 1000-1005.	2.1	27
116	Fe₃C@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.	1.3	34
117	Defect-rich TiO2-Î´ nanocrystals confined in a mooncake-shaped porous carbon matrix as an advanced Na ion battery anode. Journal of Power Sources, 2017, 354, 179-188.	4.0	87
118	Core-Bishell Fe-Ni@Fe₃O₄@C Nanoparticles as an Advanced Anode for Rechargeable Nickel-Iron Battery. Journal of the Electrochemical Society, 2017, 164, A1333-A1338.	1.3	10
119	Hierarchical NiCo₂O₄ Micro- and Nanostructures with Tunable Morphologies as Anode Materials for Lithium- and Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 16194-16201.	4.0	85
120	Electrochemical presodiation promoting lithium storage performance of Mo-based anode materials. Ceramics International, 2017, 43, 11967-11972.	2.3	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.	9.5	70
122	N-doped rutile TiO 2 /C with significantly enhanced Na storage capacity for Na-ion batteries. Electrochimica Acta, 2017, 236, 43-52.	2.6	74
123	Carbon-Based Electrocatalysts for Hydrogen and Oxygen Evolution Reactions. ACS Catalysis, 2017, 7, 7855-7865.	5.5	406
124	Porous spherical Na3V2 (PO4)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.	1.3	35
125	Enhanced electrochemical properties of Li2ZnTi3O8/C nanocomposite synthesized with phenolic resin as carbon source. Journal of Solid State Electrochemistry, 2017, 21, 125-131.	1.2	10
126	Advanced LiTi2(PO4)3/C anode by incorporation of carbon nanotubes for aqueous lithium-ion batteries. Ionics, 2017, 23, 575-583.	1.2	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.	1.6	43
128	Co₃O₄â€“CeO₂/C as a Highly Active Electrocatalyst for Oxygen Reduction Reaction in Alâ€“Air Batteries. ACS Applied Materials & Interfaces, 2016, 8, 34422-34430.	4.0	159
129	Synthesis and high cycle performance of Li₂ZnTi₃O₈/C anode material promoted by asphalt as a carbon precursor. RSC Advances, 2016, 6, 49298-49306.	1.7	22
130	Na⁺ and Zr⁴⁺ co-doped Li₄Ti₅O₁₂ as anode materials with superior electrochemical performance for lithium ion batteries. RSC Advances, 2016, 6, 90455-90461.	1.7	23
131	Electrochemical Properties of Rutile TiO2 Nanorod Array in Lithium Hydroxide Solution. Nanoscale Research Letters, 2016, 11, 448.	3.1	8
132	Solvothermal synthesis and self-assembling mechanism of micro-nano spherical LiFePO₄with high tap density. RSC Advances, 2016, 6, 75602-75608.	1.7	13
133	N-Doped carbon supported Co₃O₄nanoparticles as an advanced electrocatalyst for the oxygen reduction reaction in Alâ€“air batteries. RSC Advances, 2016, 6, 55552-55559.	1.7	36
134	Facile synthesis and lithium storage performance of (NH4)2V3O8 nanoflakes. Journal of Applied Electrochemistry, 2016, 46, 879-885.	1.5	24
135	Long-lived Aqueous Rechargeable Lithium Batteries Using Mesoporous LiTi2(PO4)3@C Anode. Scientific Reports, 2015, 5, 17452.	1.6	43
136	Synergistically enhanced oxygen reduction activity of MnO_xâ€“CeO₂/Ketjenblack composites. Chemical Communications, 2015, 51, 10123-10126.	2.2	69
137	Advanced aqueous rechargeable lithium battery using nanoparticulate LiTi2(PO4)3/C as a superior anode. Scientific Reports, 2015, 5, 10733.	1.6	46
138	High-Rate LiTi₂(PO₄)₃@Nâ€“C Composite via Bi-nitrogen Sources Doping. ACS Applied Materials & Interfaces, 2015, 7, 28337-28345.	4.0	77
139	NiCo2O4/N-doped graphene as an advanced electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2015, 280, 640-648.	4.0	112
140	Multi-layered Al2O3/LixV2O5/LiV3O8 nanoflakes with superior cycling stability as cathode material for Li-ion battery. Electrochimica Acta, 2015, 157, 211-217.	2.6	14
141	High performance Li4Ti5O12/CN anode material promoted by melamineâ€“formaldehyde resin as carbonâ€“nitrogen precursor. RSC Advances, 2015, 5, 55994-56000.	1.7	11
142	Synthesis and characterization of VO2(B)/graphene nanocomposite for supercapacitors. Journal of Materials Science: Materials in Electronics, 2015, 26, 4226-4233.	1.1	36
143	Three-Dimensional MnCo2O4.5Mesoporous Networks as an Electrocatalyst for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2015, 162, A2302-A2307.	1.3	18
144	Li4Ti5O12/C anode material with high-rate performance using phenanthroline as carbon precursor. Ionics, 2015, 21, 629-634.	1.2	3

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145	Direct and indirect shoot and bulblet regeneration from cultured leaf explants of Lilium pumilum, an endangered species. In Vitro Cellular and Developmental Biology - Plant, 2014, 50, 69-75.	0.9	14
146	Li_xV₂O₅/LiV₃O₈ nanoflakes with significantly improved electrochemical performance for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 8009-8016.	5.2	53
147	Aqueous rechargeable lithium batteries using NaV₆O₁₅ nanoflakes as high performance anodes. Journal of Materials Chemistry A, 2014, 2, 12999-13005.	5.2	75
148	Annealed NaV3O8 nanowires with good cycling stability as a novel cathode for Na-ion batteries. Journal of Materials Chemistry A, 2014, 2, 3563.	5.2	107
149	Nickel cobalt oxide/carbon nanotubes hybrid as a high-performance electrocatalyst for metal/air battery. Nanoscale, 2014, 6, 10235-10242.	2.8	112
150	Synthesis and electrochemical properties of NaV3O8 nanoflakes as high-performance cathode for Li-ion battery. RSC Advances, 2014, 4, 8328.	1.7	36
151	Nanoparticulate Mn0.3Ce0.7O2: a novel electrocatalyst with improved power performance for metal/air batteries. Journal of Materials Chemistry A, 2013, 1, 12512.	5.2	47
152	Facile and green synthesis of Co3O4 nanoplates/graphene nanosheets composite for supercapacitor. Journal of Solid State Electrochemistry, 2012, 16, 3593-3602.	1.2	82
153	Synthesis of LiV3O8 nanosheets as a high-rate cathode material for rechargeable lithium batteries. CrystEngComm, 2012, 14, 2831.	1.3	44
154	NH4V3O8/carbon nanotubes composite cathode material with high capacity and good rate capability. Journal of Power Sources, 2011, 196, 9786-9791.	4.0	58
155	The effect of solid electrolyte interface formation conditions on the aging performance of Li-ion cells. Journal of Solid State Electrochemistry, 2011, 15, 1987-1995.	1.2	31
156	Oxygen Evolution in Overcharged Li_xNi_{1/3}Co_{1/3}Mn_{1/3}O₂ Electrode and Its Thermal Analysis Kinetics. Chinese Journal of Chemistry, 2011, 29, 1583-1588.	2.6	69
157	Thermal Behavior Investigation of LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂â€Based Liâ€ion Battery under Overcharged Test. Chinese Journal of Chemistry, 2011, 29, 27-32.	2.6	41
158	Wave propagation of functionally graded material plates in thermal environments. Ultrasonics, 2011, 51, 940-952.	2.1	30
159	Synthesis and characterization of spherical LiNi<inf>0.7</inf>Co<inf>0.15</inf>Mn<inf>0.15</inf>O<inf>2</inf> via co-precipitation. , 2010, , .		0