

Haiyan Wang

List of Publications by Year in descending order

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159
papers

11,320
citations

26567

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13180-13191.	7.2	727
2	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.	7.2	648
3	Advancements and Challenges in Potassium Ion Batteries: A Comprehensive Review. <i>Advanced Functional Materials</i> , 2020, 30, 1909486.	7.8	570
4	Carbon-Based Electrocatalysts for Hydrogen and Oxygen Evolution Reactions. <i>ACS Catalysis</i> , 2017, 7, 7855-7865.	5.5	406
5	Revealing the role of crystal orientation of protective layers for stable zinc anode. <i>Nature Communications</i> , 2020, 11, 3961.	5.8	378
6	MoS ₂ /Graphene Nanosheets from Commercial Bulky MoS ₂ and Graphite as Anode Materials for High Rate Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702383.	10.2	350
7	Tuning nitrogen species in three-dimensional porous carbon via phosphorus doping for ultra-fast potassium storage. <i>Nano Energy</i> , 2019, 57, 728-736.	8.2	323
8	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.	9.5	279
9	Issues and solutions toward zinc anode in aqueous zinc-ion batteries: A mini review. , 2020, 2, 540-560.		225
10	Anion Vacancies Regulating Endows MoSSe with Fast and Stable Potassium Ion Storage. <i>ACS Nano</i> , 2019, 13, 11843-11852.	7.3	210
11	Structure-dependent performance of TiO ₂ /C as anode material for Na-ion batteries. <i>Nano Energy</i> , 2018, 44, 217-227.	8.2	209
12	Plasma-Induced Amorphous Shell and Deep Cation-Site S Doping Endow TiO ₂ with Extraordinary Sodium Storage Performance. <i>Advanced Materials</i> , 2018, 30, e1801013.	11.1	180
13	Co ₃ O ₄ @CeO ₂ /C as a Highly Active Electrocatalyst for Oxygen Reduction Reaction in Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34422-34430.	4.0	159
14	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.	8.2	157
15	In-situ formation of hybrid Li ₃ PO ₄ -AlPO ₄ -Al(PO ₃) ₃ coating layer on LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode with enhanced electrochemical properties for lithium-ion battery. <i>Chemical Engineering Journal</i> , 2020, 382, 122959.	6.6	149
16	A progressive nucleation mechanism enables stable zinc stripping-plating behavior. <i>Energy and Environmental Science</i> , 2021, 14, 5563-5571.	15.6	141
17	Understanding the sodium storage mechanisms of organic electrodes in sodium ion batteries: issues and solutions. <i>Energy and Environmental Science</i> , 2020, 13, 1568-1592.	15.6	140
18	Emerging mechanisms and targeted therapy of ferroptosis in cancer. <i>Molecular Therapy</i> , 2021, 29, 2185-2208.	3.7	134

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19	Tuning the Morphologies of MnO/C Hybrids by Space Constraint Assembly of Mn-MOFs for High Performance Li Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5254-5262.	4.0	129
20	Iron-Doped Cauliflower-Like Rutile TiO ₂ with Superior Sodium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6093-6103.	4.0	125
21	Boosting oxygen reduction activity of Fe-N-C by partial copper substitution to iron in Al-air batteries. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 209-217.	10.8	121
22	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.	8.2	118
23	Advanced Filter Membrane Separator for Aqueous Zinc-Ion Batteries. <i>Small</i> , 2020, 16, e2003106.	5.2	118
24	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.	1.6	116
25	New Binder-Free Metal Phosphide-Carbon Felt Composite Anodes for Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2018, 8, 1801197.	10.2	113
26	Nickel cobalt oxide/carbon nanotubes hybrid as a high-performance electrocatalyst for metal/air battery. <i>Nanoscale</i> , 2014, 6, 10235-10242.	2.8	112
27	NiCo ₂ O ₄ /N-doped graphene as an advanced electrocatalyst for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015, 280, 640-648.	4.0	112
28	Annealed NaV ₃ O ₈ nanowires with good cycling stability as a novel cathode for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3563.	5.2	107
29	Plasma-Strengthened Lithiophilicity of Copper Oxide Nanosheet-Decorated Cu Foil for Stable Lithium Metal Anode. <i>Advanced Science</i> , 2019, 6, 1901433.	5.6	106
30	Simultaneously Regulating the Ion Distribution and Electric Field to Achieve Dendrite-Free Zn Anode. <i>Small</i> , 2020, 16, e2000929.	5.2	106
31	Cu-MOF-Derived Cu/Cu ₂ O Nanoparticles and Cu _N C _y Species to Boost Oxygen Reduction Activity of Ketjenblack Carbon in Al-Air Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 413-421.	3.2	105
32	Co ₃ O ₄ /Co-N-C modified ketjenblack carbon as an advanced electrocatalyst for Al-air batteries. <i>Journal of Power Sources</i> , 2017, 343, 30-38.	4.0	99
33	Surface engineering induced core-shell Prussian blue@polyaniline nanocubes as a high-rate and long-life sodium-ion battery cathode. <i>Journal of Power Sources</i> , 2018, 395, 305-313.	4.0	89
34	Understanding the synergistic effect of alkyl polyglucoside and potassium stannate as advanced hybrid corrosion inhibitor for alkaline aluminum-air battery. <i>Chemical Engineering Journal</i> , 2020, 383, 123162.	6.6	88
35	Defect-rich TiO ₂ - γ nanocrystals confined in a mooncake-shaped porous carbon matrix as an advanced Na ion battery anode. <i>Journal of Power Sources</i> , 2017, 354, 179-188.	4.0	87
36	Hierarchical NiCo ₂ O ₄ Micro- and Nanostructures with Tunable Morphologies as Anode Materials for Lithium- and Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16194-16201.	4.0	85

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37	Recent Progress and Future Trends of Aluminum Batteries. <i>Energy Technology</i> , 2019, 7, 86-106.	1.8	85
38	Facile and green synthesis of Co ₃ O ₄ nanoplates/graphene nanosheets composite for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3593-3602.	1.2	82
39	Insights into KMnO ₄ etched N-rich carbon nanotubes as advanced electrocatalysts for Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118537.	10.8	81
40	High-Rate LiTi ₂ (PO ₄) ₃ @N-C Composite via Bi-nitrogen Sources Doping. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28337-28345.	4.0	77
41	Electron-Injection-Engineering Induced Phase Transition toward Stabilized 1T-MoS ₂ with Extraordinary Sodium Storage Performance. <i>ACS Nano</i> , 2021, 15, 8896-8906.	7.3	77
42	Aqueous rechargeable lithium batteries using NaV ₆ O ₁₅ nanoflakes as high performance anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12999-13005.	5.2	75
43	N-doped rutile TiO ₂ /C with significantly enhanced Na storage capacity for Na-ion batteries. <i>Electrochimica Acta</i> , 2017, 236, 43-52.	2.6	74
44	Electrode-Electrolyte Interfacial Chemistry Modulation for Ultra-High Rate Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	74
45	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. <i>Electrochimica Acta</i> , 2018, 279, 279-288.	2.6	72
46	Fe/N co-doped carbon materials with controllable structure as highly efficient electrocatalysts for oxygen reduction reaction in Al-air batteries. <i>Energy Storage Materials</i> , 2017, 8, 49-58.	9.5	70
47	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. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18444-18448.	5.2	70
48	Oxygen Evolution in Overcharged Li _x Ni _{1/3} Co _{1/3} Mn _{1/3} O ₂ Electrode and Its Thermal Analysis Kinetics. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1583-1588.	2.6	69
49	Synergistically enhanced oxygen reduction activity of MnO _x -CeO ₂ /Ketjenblack composites. <i>Chemical Communications</i> , 2015, 51, 10123-10126.	2.2	69
50	Adjusting the yolk-shell structure of carbon spheres to boost the capacitive K ⁺ storage ability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23318-23325.	5.2	69
51	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.	5.2	68
52	Hybrid high-concentration electrolyte significantly strengthens the practicability of alkaline aluminum-air battery. <i>Energy Storage Materials</i> , 2020, 31, 310-317.	9.5	67
53	TiO ₂ @C nanosheets with highly exposed (0 0 1) facets as a high-capacity anode for Na-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 332, 57-65.	6.6	66
54	Revealing the Two-Dimensional Surface Diffusion Mechanism for Zinc Dendrite Formation on Zinc Anode. <i>Small</i> , 2022, 18, e2104148.	5.2	66

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55	A comprehensive review on the fabrication, modification and applications of Na ₃ V ₂ (PO ₄) ₂ F ₃ cathodes. Journal of Materials Chemistry A, 2020, 8, 21387-21407.	5.2	65
56	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. Advanced Science, 2021, 8, 2001809.	5.6	63
57	Issues and rational design of aqueous electrolyte for Zn-ion batteries. SusMat, 2021, 1, 432-447.	7.8	62
58	Sn layer decorated copper mesh with superior lithiophilicity for stable lithium metal anode. Chemical Engineering Journal, 2020, 395, 124922.	6.6	61
59	NH ₄ V ₃ O ₈ /carbon nanotubes composite cathode material with high capacity and good rate capability. Journal of Power Sources, 2011, 196, 9786-9791.	4.0	58
60	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.	2.0	58
61	Li _x V ₂ O ₅ /LiV ₃ O ₈ nanoflakes with significantly improved electrochemical performance for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 8009-8016.	5.2	53
62	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.	5.4	53
63	Nanoparticulate Mn _{0.3} Ce _{0.7} O ₂ : a novel electrocatalyst with improved power performance for metal/air batteries. Journal of Materials Chemistry A, 2013, 1, 12512.	5.2	47
64	Advanced aqueous rechargeable lithium battery using nanoparticulate LiTi ₂ (PO ₄) ₃ /C as a superior anode. Scientific Reports, 2015, 5, 10733.	1.6	46
65	Engineering the crystal orientation of Na ₃ V ₂ (PO ₄) ₂ F ₃ @rGO microcuboids for advanced sodium-ion batteries. Materials Chemistry Frontiers, 2020, 4, 2932-2942.	3.2	46
66	Synthesis of LiV ₃ O ₈ nanosheets as a high-rate cathode material for rechargeable lithium batteries. CrystEngComm, 2012, 14, 2831.	1.3	44
67	Nitrogen Plasma-Treated Core-shell Si@SiO _x @TiO ₂ : Nanoparticles with Significantly Improved Lithium Storage Performance. ACS Applied Materials & Interfaces, 2019, 11, 27658-27666.	4.0	44
68	Enhanced Electrochemical Properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ at Elevated Temperature by Simultaneous Structure and Interface Regulating. Journal of the Electrochemical Society, 2019, 166, A1439-A1448.	1.3	44
69	Synergistic effect of N-doping and rich oxygen vacancies induced by nitrogen plasma endows TiO ₂ superior sodium storage performance. Electrochimica Acta, 2019, 309, 242-252.	2.6	44
70	Comprehensive analysis of lncRNA-associated ceRNA network in colorectal cancer. Biochemical and Biophysical Research Communications, 2019, 508, 374-379.	1.0	44
71	Dual-Element-Modified Single-Crystal LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ as a Highly Stable Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 43039-43050.	4.0	44
72	Long-lived Aqueous Rechargeable Lithium Batteries Using Mesoporous LiTi ₂ (PO ₄) ₃ @C Anode. Scientific Reports, 2015, 5, 17452.	1.6	43

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73	Functional characterization of a type 2 metallothionein gene, SsMT2, from alkaline-tolerant Suaeda salsa. <i>Scientific Reports</i> , 2017, 7, 17914.	1.6	43
74	Nano-size porous carbon spheres as a high-capacity anode with high initial coulombic efficiency for potassium-ion batteries. <i>Nanoscale Horizons</i> , 2020, 5, 895-903.	4.1	42
75	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.	2.6	41
76	Interfacial Design of Dendrite-free Zinc Anodes for Aqueous Zinc-ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 13280-13291.	1.6	40
77	Electrochemical interface reconstruction to eliminate surface heterogeneity for dendrite-free zinc anodes. <i>Energy Storage Materials</i> , 2022, 47, 319-326.	9.5	39
78	High-power double-face flow Al-air battery enabled by CeO ₂ decorated MnOOH nanorods catalyst. <i>Chemical Engineering Journal</i> , 2021, 406, 126772.	6.6	37
79	Advanced cathodes for potassium-ion batteries with layered transition metal oxides: a review. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8221-8247.	5.2	37
80	Synthesis and electrochemical properties of NaV ₃ O ₈ nanoflakes as high-performance cathode for Li-ion battery. <i>RSC Advances</i> , 2014, 4, 8328.	1.7	36
81	Synthesis and characterization of VO ₂ (B)/graphene nanocomposite for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4226-4233.	1.1	36
82	N-Doped carbon supported Co ₃ O ₄ nanoparticles as an advanced electrocatalyst for the oxygen reduction reaction in Al-air batteries. <i>RSC Advances</i> , 2016, 6, 55552-55559.	1.7	36
83	Enhanced sodium ion storage performance of Na ₃ V ₂ (PO ₄) ₃ with N-doped carbon by folic acid as carbon-nitrogen source. <i>Journal of Alloys and Compounds</i> , 2018, 732, 454-459.	2.8	36
84	Reviving bulky MoS ₂ as an advanced anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10988-10997.	5.2	36
85	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. <i>Solid State Ionics</i> , 2017, 308, 161-166.	1.3	35
86	Fe ₃ C@Fe/N Doped Graphene-Like Carbon Sheets as a Highly Efficient Catalyst in Al-Air Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, F475-F483.	1.3	34
87	Synthesis and electrochemical performances of Na ₃ V ₂ (PO ₄) ₃ /F ₃ C composites as cathode materials for sodium ion batteries. <i>RSC Advances</i> , 2019, 9, 30628-30636.	1.7	33
88	Advanced LiTi ₂ (PO ₄) ₃ /C anode by incorporation of carbon nanotubes for aqueous lithium-ion batteries. <i>Ionics</i> , 2017, 23, 575-583.	1.2	32
89	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.	1.2	31
90	Sodium citrate as a self-sacrificial sodium compensation additive for sodium-ion batteries. <i>Chemical Communications</i> , 2021, 57, 4243-4246.	2.2	31

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91	Porous Fe ₂ O ₃ Nanoparticles as Lithium-Ion Battery Anode Materials. ACS Applied Nano Materials, 2021, 4, 8744-8752.	2.4	31
92	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
93	Wave propagation of functionally graded material plates in thermal environments. Ultrasonics, 2011, 51, 940-952.	2.1	30
94	How does Molybdenum Disulfide Store Charge: A Mini-review. ChemSusChem, 2020, 13, 1354-1365.	3.6	30
95	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
96	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
97	Size controlling and surface engineering enable NaTi ₂ (PO ₄) ₃ /C outstanding sodium storage properties. Electrochimica Acta, 2018, 289, 21-28.	2.6	28
98	Hierarchical yolk-shell layered potassium niobate for tuned pH-dependent photocatalytic H ₂ evolution. Catalysis Science and Technology, 2017, 7, 1000-1005.	2.1	27
99	Oxygen Vacancy Engineering in Titanium Dioxide for Sodium Storage. Chemistry - an Asian Journal, 2021, 16, 3-19.	1.7	27
100	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
101	A Review of Al Alloy Anodes for Al-Air Batteries in Neutral and Alkaline Aqueous Electrolytes. Acta Metallurgica Sinica (English Letters), 2021, 34, 309-320.	1.5	26
102	Ti ³⁺ self-doped Li ₄ Ti ₅ O ₁₂ with rich oxygen vacancies for advanced lithium-ion batteries. Ionics, 2020, 26, 1739-1747.	1.2	25
103	Defect engineering of molybdenum disulfide for energy storage. Materials Chemistry Frontiers, 2021, 5, 5880-5896.	3.2	25
104	Facile synthesis and lithium storage performance of (NH ₄) ₂ V ₃ O ₈ nanoflakes. Journal of Applied Electrochemistry, 2016, 46, 879-885.	1.5	24
105	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
106	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.	1.7	23
107	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.	1.7	22
108	Sulfur and nitrogen-doped Li ₄ Ti ₅ O ₁₂ /rGO as an anode material for advanced sodium-ion batteries. Journal of Alloys and Compounds, 2021, 857, 158190.	2.8	22

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109	Intrinsically zincophobic protective layer for dendrite-free zinc metal anode. <i>Chinese Chemical Letters</i> , 2022, 33, 2653-2657.	4.8	22
110	Engineering hierarchical structure and surface of Na ₄ MnV(PO ₄) ₃ for ultrafast sodium storage by a scalable ball milling approach. <i>Nano Energy</i> , 2022, 99, 107396.	8.2	22
111	Non-flammable ultralow concentration mixed ether electrolyte for advanced lithium metal batteries. <i>Energy Storage Materials</i> , 2022, 51, 660-670.	9.5	22
112	On an easy way to prepare highly efficient Fe/N-co-doped carbon nanotube/nanoparticle composite for oxygen reduction reaction in Al-air batteries. <i>Journal of Materials Science</i> , 2018, 53, 10280-10291.	1.7	21
113	Facile synthesis of TiP ₂ O ₇ /C nanoparticles as a competitive anode for aqueous lithium ion batteries. <i>Electrochimica Acta</i> , 2018, 278, 42-50.	2.6	21
114	Phosphoric acid induced homogeneous crosslinked phosphorus doped porous Si nanoparticles with superior lithium storage performance. <i>Applied Surface Science</i> , 2020, 509, 144873.	3.1	21
115	The fabrication of hierarchical MoO ₂ @MoS ₂ /rGO composite as high reversible anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2020, 364, 136996.	2.6	19
116	Three-Dimensional MnCo ₂ O _{4.5} Mesoporous Networks as an Electrocatalyst for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2302-A2307.	1.3	18
117	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.	1.7	18
118	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.	2.2	17
119	Facile Fabrication of CeO ₂ /Electrochemically Reduced Graphene Oxide Nanocomposites for Vanillin Detection in Commercial Food Products. <i>Nanomaterials</i> , 2020, 10, 1356.	1.9	17
120	Regulating solvation and interface chemistry to inhibit corrosion of the aluminum anode in aluminum-air batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9506-9514.	5.2	17
121	Synergistic regulating the aluminum corrosion by ellagic acid and sodium stannate hybrid additives for advanced aluminum-air battery. <i>Electrochimica Acta</i> , 2022, 417, 140311.	2.6	17
122	Two-step carbon modification of NaTi ₂ (PO ₄) ₃ with improved sodium storage performance for Na-ion batteries. <i>Journal of Central South University</i> , 2018, 25, 2320-2331.	1.2	16
123	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.	1.2	16
124	Electrode-Electrolyte Interfacial Chemistry Modulation for Ultra-High Rate Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	16
125	Advanced Materials Prepared via Metallic Reduction Reactions for Electrochemical Energy Storage. <i>Small Methods</i> , 2020, 4, 2000613.	4.6	15
126	Scalable slurry-coating induced integrated 3D lithiophilic architecture for stable lithium metal anodes. <i>Journal of Power Sources</i> , 2021, 485, 229334.	4.0	15

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127	Dual carbon coating engineering endows hollow structured TiO ₂ with superior sodium storage performance. <i>Journal of Power Sources</i> , 2021, 489, 229516.	4.0	15
128	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.	0.9	14
129	Multi-layered Al ₂ O ₃ /Li _x V ₂ O ₅ /LiV ₃ O ₈ nanoflakes with superior cycling stability as cathode material for Li-ion battery. <i>Electrochimica Acta</i> , 2015, 157, 211-217.	2.6	14
130	Influence of Iron Source Type on the Electrocatalytic Activity toward Oxygen Reduction Reaction in Fe-N/C for Al-Air Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, F662-F670.	1.3	14
131	Cu/Cu ₂ O nanoparticles co-regulated carbon catalyst for alkaline Al-air batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 2427-2432.	4.8	14
132	Lithium reduction reaction for interfacial regulation of lithium metal anode. <i>Chemical Communications</i> , 2022, 58, 2597-2611.	2.2	14
133	Renewable waste biomass-derived carbon materials for energy storage. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 313002.	1.3	14
134	Solvothermal synthesis and self-assembling mechanism of micro-nano spherical LiFePO ₄ with high tap density. <i>RSC Advances</i> , 2016, 6, 75602-75608.	1.7	13
135	Electrochemical presodiation promoting lithium storage performance of Mo-based anode materials. <i>Ceramics International</i> , 2017, 43, 11967-11972.	2.3	13
136	Porous lithium titanate nanosheets as an advanced anode material for sodium ion batteries. <i>Journal of Materials Science</i> , 2020, 55, 4372-4381.	1.7	12
137	A dual-electrolyte system for highly efficient Al-air batteries. <i>Chemical Communications</i> , 2022, 58, 3282-3285.	2.2	12
138	High performance Li ₄ Ti ₅ O ₁₂ /CN anode material promoted by melamine-formaldehyde resin as carbon-nitrogen precursor. <i>RSC Advances</i> , 2015, 5, 55994-56000.	1.7	11
139	Oxygen plasma induced interfacial CoO _x /Phthalocyanine Cobalt as bifunctional electrocatalyst towards oxygen-involving reactions. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9905-9914.	3.8	11
140	Interfacial Reviving of the Degraded LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Cathode by LiPO ₃ Repair Strategy. <i>Small</i> , 2022, 18, e2107346.	5.2	11
141	Engineering Crystal Orientation of Cathode for Advanced Lithium-ion Batteries: A Minireview. <i>Chemical Record</i> , 2022, 22, .	2.9	11
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