Hai-Yan Wang

List of Publications by Year
in descending order

167 papers	11,350 citations	25034 57 h-index	33894 99 g-index
168 all docs	168 docs citations	168 times ranked	8891 citing authors

#	Article	IF	Citations
1	Intrinsically zincophobic protective layer for dendrite-free zinc metal anode. Chinese Chemical Letters, 2022, 33, 2653-2657.	9.0	22
2	Revealing the Twoâ€Dimensional Surface Diffusion Mechanism for Zinc Dendrite Formation on Zinc Anode. Small, 2022, 18, e2104148.	10.0	66
3	Lithium reduction reaction for interfacial regulation of lithium metal anode. Chemical Communications, 2022, 58, 2597-2611.	4.1	14
4	Electrochemical interface reconstruction to eliminate surface heterogeneity for dendrite-free zinc anodes. Energy Storage Materials, 2022, 47, 319-326.	18.0	39
5	Electrodeâ€“Electrolyte Interfacial Chemistry Modulation for Ultraâ€High Rate Sodiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	16
6	Interfacial Reviving of the Degraded LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode by LiPO₃ Repair Strategy. Small, 2022, 18, e2107346.	10.0	11
7	Electrodeâ€“Electrolyte Interfacial Chemistry Modulation for Ultraâ€High Rate Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	74
8	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.	3.7	7
9	Renewable waste biomass-derived carbon materials for energy storage. Journal Physics D: Applied Physics, 2022, 55, 313002.	2.8	14
10	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
11	A piece of common cellulose paper but with outstanding functions for advanced aqueous zinc-ion batteries. Materials Today Energy, 2022, 28, 101076.	4.7	27
12	Engineering Crystal Orientation of Cathode for Advanced Lithiumâ€Ion Batteries: A Minireview. Chemical Record, 2022, 22, .	5.8	11
13	Oxygen Vacancy Engineering in Titanium Dioxide for Sodium Storage. Chemistry - an Asian Journal, 2021, 16, 3-19.	3.3	27
14	Recent advances and perspectives on vanadium- and manganese-based cathode materials for aqueous zinc ion batteries. Journal of Energy Chemistry, 2021, 59, 134-159.	12.9	142
15	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.	11.2	63
16	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.	2.9	26
17	Sulfur and nitrogen-doped Li4Ti5O12/rGO as an anode material for advanced sodium-ion batteries. Journal of Alloys and Compounds, 2021, 857, 158190.	5.5	22
18	Scalable slurry-coating induced integrated 3D lithiophilic architecture for stable lithium metal anodes. Journal of Power Sources, 2021, 485, 229334.	7.8	15

#	Article	IF	Citations
19	Sodium citrate as a self-sacrificial sodium compensation additive for sodium-ion batteries. Chemical Communications, 2021, 57, 4243-4246.	4.1	31
20	Defect engineering of molybdenum disulfide for energy storage. Materials Chemistry Frontiers, 2021, 5, 5880-5896.	5.9	25
21	Dual carbon coating engineering endows hollow structured TiO2 with superior sodium storage performance. Journal of Power Sources, 2021, 489, 229516.	7.8	15
22	Cu/Cu2O nanoparticles co-regulated carbon catalyst for alkaline Al-air batteries. Chinese Chemical Letters, 2021, 32, 2427-2432.	9.0	14
23	Oxocarbons Electrode Materials for Alkali Ion Batteries: Challenges, Strategies and Development. Batteries and Supercaps, 2021, 4, 1791-1802.	4.7	2
24	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.	8.0	44
25	Issues and rational design of aqueous electrolyte for Znâ€ion batteries. SusMat, 2021, 1, 432-447.	14.9	62
26	Molybdenum host and interphase induced decentralized lithium deposition for dendrite-free lithium metal anodes. Chemical Engineering Journal, 2021, 426, 131110.	12.7	9
27	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
28	A progressive nucleation mechanism enables stable zinc strippingâ€“plating behavior. Energy and Environmental Science, 2021, 14, 5563-5571.	30.8	141
29	Improved Na storage performance of Na₃V₂(PO₄)₃ cathode material for sodium-ion batteries by K-Cl co-doping. Journal Physics D: Applied Physics, 2021, 54, 104002.	2.8	5
30	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.	12.7	149
31	Boosted electrochemical properties of porous Li2FeSiO4/C based on Fe-MOFs precursor for lithium ion batteries. Vacuum, 2020, 171, 108997.	3.5	30
32	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
33	Ti3+ self-doped Li4Ti5O12 with rich oxygen vacancies for advanced lithium-ion batteries. Ionics, 2020, 26, 1739-1747.	2.4	25
34	Porous lithium titanate nanosheets as an advanced anode material for sodium ion batteries. Journal of Materials Science, 2020, 55, 4372-4381.	3.7	12
35	Superior Na-storage performance of Na3V2(PO4)3/C-Ag composites as cathode material for Na-ion battery. Journal of Alloys and Compounds, 2020, 822, 153587.	5.5	20
36	Insights into KMnO4 etched N-rich carbon nanotubes as advanced electrocatalysts for Zn-air batteries. Applied Catalysis B: Environmental, 2020, 264, 118537.	20.2	81

#	Article	IF	Citations
37	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
38	The fabrication of hierarchical MoO2@MoS2/rGO composite as high reversible anode material for lithium ion batteries. Electrochimica Acta, 2020, 364, 136996.	5.2	19
39	Engineering the crystal orientation of Na₃V₂(PO₄)₂F₃@rGO microcuboids for advanced sodium-ion batteries. Materials Chemistry Frontiers, 2020, 4, 2932-2942.	5.9	46
40	Revealing the role of crystal orientation of protective layers for stable zinc anode. Nature Communications, 2020, 11, 3961.	12.8	378
41	Issues and solutions toward zinc anode in aqueous zincâ€ion batteries: A mini review. , 2020, 2, 540-560.		225
42	Simultaneously Regulating the Ion Distribution and Electric Field to Achieve Dendriteâ€Free Zn Anode. Small, 2020, 16, e2000929.	10.0	106
43	Advanced Filter Membrane Separator for Aqueous Zincâ€ion Batteries. Small, 2020, 16, e2003106.	10.0	118
44	Advanced Materials Prepared via Metallic Reduction Reactions for Electrochemical Energy Storage. Small Methods, 2020, 4, 2000613.	8.6	15
45	A comprehensive review on the fabrication, modification and applications of Na₃V₂(PO₄)₂F₃ cathodes. Journal of Materials Chemistry A, 2020, 8, 21387-21407.	10.3	65
46	Hybrid high-concentration electrolyte significantly strengthens the practicability of alkaline aluminum-air battery. Energy Storage Materials, 2020, 31, 310-317.	18.0	67
47	Interfacial Design of Dendriteâ€Free Zinc Anodes for Aqueous Zincâ€ion Batteries. Angewandte Chemie, 2020, 132, 13280-13291.	2.0	40
48	Interfacial Design of Dendriteâ€Free Zinc Anodes for Aqueous Zincâ€ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 13180-13191.	13.8	727
49	How does Molybdenum Disulfide Store Charge: Aâ€‰Minireview. ChemSusChem, 2020, 13, 1354-1365.	6.8	30
50	Sn layer decorated copper mesh with superior lithiophilicity for stable lithium metal anode. Chemical Engineering Journal, 2020, 395, 124922.	12.7	61
51	Advancements and Challenges in Potassium Ion Batteries: A Comprehensive Review. Advanced Functional Materials, 2020, 30, 1909486.	14.9	570
52	Plasmaâ€Strengthened Lithiophilicity of Copper Oxide Nanosheetâ€“Decorated Cu Foil for Stable Lithium Metal Anode. Advanced Science, 2019, 6, 1901433.	11.2	106
53	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.	13.8	648
54	Preface to the special issue on energy storage and conversion. Journal of Central South University, 2019, 26, 1385-1386.	3.0	1

#	Article	IF	Citations
55	Red-blood-cell-like nitrogen-doped porous carbon as an efficient metal-free catalyst for oxygen reduction reaction. Journal of Central South University, 2019, 26, 1458-1468.	3.0	9
56	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.	8.0	44
57	Engineering the trap effect of residual oxygen atoms and defects in hard carbon anode towards high initial Coulombic efficiency. Nano Energy, 2019, 64, 103937.	16.0	118
58	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.	2.0	4
59	The Threeâ€Dimensional Dendriteâ€Free Zinc Anode on a Copper Mesh with a Zincâ€Oriented Polyacrylamide Electrolyte Additive. Angewandte Chemie, 2019, 131, 15988-15994.	2.0	116
60	Anion Vacancies Regulating Endows MoSSe with Fast and Stable Potassium Ion Storage. ACS Nano, 2019, 13, 11843-11852.	14.6	210
61	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.	4.1	17
62	Understanding and improving the initial Coulombic efficiency of high-capacity anode materials for practical sodium ion batteries. Energy Storage Materials, 2019, 23, 233-251.	18.0	279
63	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.	2.9	44
64	1T MoS2 nanosheets with extraordinary sodium storage properties via thermal-driven ion intercalation assisted exfoliation of bulky MoS2. Nano Energy, 2019, 61, 361-369.	16.0	157
65	Reviving bulky MoS₂ as an advanced anode for lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 10988-10997.	10.3	36
66	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.	5.2	44
67	Synthesis and electrochemical performances of Na₃V₂(PO₄)₂F₃/C composites as cathode materials for sodium ion batteries. RSC Advances, 2019, 9, 30628-30636.	3.6	33
68	Tuning nitrogen species in three-dimensional porous carbon via phosphorus doping for ultra-fast potassium storage. Nano Energy, 2019, 57, 728-736.	16.0	323
69	Facile preparation of robust porous MoS2/C nanosheet networks as anode material for sodium ion batteries. Journal of Materials Science, 2019, 54, 2472-2482.	3.7	18
70	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
71	MoS₂/Graphene Nanosheets from Commercial Bulky MoS₂ and Graphite as Anode Materials for High Rate Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702383.	19.5	350
72	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.	12.7	66

#	Article	IF	Citations
73	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.	6.7	105
74	Structure-dependent performance of TiO2/C as anode material for Na-ion batteries. Nano Energy, 2018, 44, 217-227.	16.0	209
75	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.	5.5	36
76	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.	3.0	16
77	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
78	Size controlling and surface engineering enable NaTi2(PO4)3/C outstanding sodium storage properties. Electrochimica Acta, 2018, 289, 21-28.	5.2	28
79	Adjusting the yolkâ€“shell structure of carbon spheres to boost the capacitive K⁺ storage ability. Journal of Materials Chemistry A, 2018, 6, 23318-23325.	10.3	69
80	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.	10.3	70
81	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.	5.2	72
82	New Binderâ€Free Metal Phosphideâ€“Carbon Felt Composite Anodes for Sodiumâ€Ion Battery. Advanced Energy Materials, 2018, 8, 1801197.	19.5	113
83	Plasmaâ€Induced Amorphous Shell and Deep Cationâ€Site S Doping Endow TiO₂ with Extraordinary Sodium Storage Performance. Advanced Materials, 2018, 30, e1801013.	21.0	180
84	Iron-Doped Cauliflower-Like Rutile TiO₂ with Superior Sodium Storage Properties. ACS Applied Materials & Interfaces, 2017, 9, 6093-6103.	8.0	125
85	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
86	Co3O4/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
87	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.	7.8	87
88	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.	2.9	10
89	Electrochemical presodiation promoting lithium storage performance of Mo-based anode materials. Ceramics International, 2017, 43, 11967-11972.	4.8	13
90	Three-dimensional MoO2 nanotextiles assembled from elongated nanowires as advanced anode for Li ion batteries. Journal of Power Sources, 2017, 361, 1-8.	7.8	40

#	Article	IF	Citations
91	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
92	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
93	Enhanced electrochemical properties of Li2ZnTi3O8/C nanocomposite synthesized with phenolic resin as carbon source. Journal of Solid State Electrochemistry, 2017, 21, 125-131.	2.5	10
94	Advanced LiTi2(PO4)3/C anode by incorporation of carbon nanotubes for aqueous lithium-ion batteries. Ionics, 2017, 23, 575-583.	2.4	32
95	Transcriptome profiling analysis reveals metabolic changes across various growth phases in Bacillus pumilus BA06. BMC Microbiology, 2017, 17, 156.	3.3	22
96	Genotoxicity of a Low-Dose Nitrosamine Mixture as Drinking Water Disinfection Byproducts in NIH3T3 Cells. International Journal of Medical Sciences, 2017, 14, 961-969.	2.5	13
97	Co₃O₄â€“CeO₂/C as a Highly Active Electrocatalyst for Oxygen Reduction Reaction in Alâ€“Air Batteries. ACS Applied Materials & Interfaces, 2016, 8, 34422-34430.	8.0	159
98	Synthesis and high cycle performance of Li₂ZnTi₃O₈/C anode material promoted by asphalt as a carbon precursor. RSC Advances, 2016, 6, 49298-49306.	3.6	22
99	NaTi₂(PO₄)₃Nanoparticles Embedded in Carbon Matrix as Long-Lived Anode for Aqueous Lithium Ion Battery. Journal of the Electrochemical Society, 2016, 163, A1388-A1393.	2.9	43
100	Ultrathin (NH₄)_{0.5}V₂O₅Nanosheets as a Stable Anode for Aqueous Lithium Ion Battery. Journal of the Electrochemical Society, 2016, 163, A2349-A2355.	2.9	23
101	Na⁺ and Zr⁴⁺ co-doped Li₄Ti₅O₁₂ as anode materials with superior electrochemical performance for lithium ion batteries. RSC Advances, 2016, 6, 90455-90461.	3.6	23
102	Electrochemical Properties of Rutile TiO2 Nanorod Array in Lithium Hydroxide Solution. Nanoscale Research Letters, 2016, 11, 448.	5.7	8
103	N-Doped carbon supported Co₃O₄nanoparticles as an advanced electrocatalyst for the oxygen reduction reaction in Alâ€“air batteries. RSC Advances, 2016, 6, 55552-55559.	3.6	36
104	Facile synthesis and lithium storage performance of (NH4)2V3O8 nanoflakes. Journal of Applied Electrochemistry, 2016, 46, 879-885.	2.9	24
105	Spherical Li1.95Na0.05FeSiO4/C composite as nanoporous cathode material exhibiting high rate capability. Materials Letters, 2016, 173, 207-210.	2.6	11
106	Isolation and characterization of cDNAs and genomic DNAs encoding ADP-glucose pyrophosphorylase large and small subunits from sweet potato. Molecular Genetics and Genomics, 2016, 291, 609-620.	2.1	12
107	The Association of Individual and Regional Socioeconomic Status on Initial Peritonitis and Outcomes in Peritoneal Dialysis Patients: A Propensity Score-Matched Cohort Study. Peritoneal Dialysis International, 2016, 36, 395-401.	2.3	13
108	Long-lived Aqueous Rechargeable Lithium Batteries Using Mesoporous LiTi2(PO4)3@C Anode. Scientific Reports, 2015, 5, 17452.	3.3	43

#	Article	IF	Citations
109	Synergistically enhanced oxygen reduction activity of MnO_xâ€“CeO₂/Ketjenblack composites. Chemical Communications, 2015, 51, 10123-10126.	4.1	69
110	Advanced aqueous rechargeable lithium battery using nanoparticulate LiTi2(PO4)3/C as a superior anode. Scientific Reports, 2015, 5, 10733.	3.3	46
111	High-Rate LiTi₂(PO₄)₃@Nâ€“C Composite via Bi-nitrogen Sources Doping. ACS Applied Materials & Interfaces, 2015, 7, 28337-28345.	8.0	77
112	NiCo2O4/N-doped graphene as an advanced electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2015, 280, 640-648.	7.8	112
113	Multi-layered Al2O3/LixV2O5/LiV3O8 nanoflakes with superior cycling stability as cathode material for Li-ion battery. Electrochimica Acta, 2015, 157, 211-217.	5.2	14
114	High performance Li4Ti5O12/CN anode material promoted by melamineâ€“formaldehyde resin as carbonâ€“nitrogen precursor. RSC Advances, 2015, 5, 55994-56000.	3.6	11
115	Ketoacid Supplementation Partially Improves Metabolic Parameters in Patients on Peritoneal Dialysis. Peritoneal Dialysis International, 2015, 35, 736-742.	2.3	6
116	Three-Dimensional MnCo2O4.5Mesoporous Networks as an Electrocatalyst for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2015, 162, A2302-A2307.	2.9	18
117	Spray drying-assisted synthesis of hollow spherical Li2FeSiO4/C particles with high performance for Li-ion batteries. Solid State Ionics, 2015, 278, 203-208.	2.7	22
118	NaV₆O₁₅Nanoflakes with Good Cycling Stability as a Cathode for Sodium Ion Battery. Journal of the Electrochemical Society, 2015, 162, A39-A43.	2.9	65
119	Li4Ti5O12/C anode material with high-rate performance using phenanthroline as carbon precursor. Ionics, 2015, 21, 629-634.	2.4	3
120	The Associations of Uric Acid, Cardiovascular and All-Cause Mortality in Peritoneal Dialysis Patients. PLoS ONE, 2014, 9, e82342.	2.5	35
121	The Associations between the Family Education and Mortality of Patients on Peritoneal Dialysis. PLoS ONE, 2014, 9, e95894.	2.5	10
122	Exploring the Polyadenylated RNA Virome of Sweet Potato through High-Throughput Sequencing. PLoS ONE, 2014, 9, e98884.	2.5	20
123	Associations between Serum-Intact Parathyroid Hormone, Serum 25-Hydroxyvitamin D. Oral Vitamin D Analogs and Metabolic Syndrome in Peritoneal Dialysis Patients: A Multi-Center Cross-Sectional Study. Peritoneal Dialysis International, 2014, 34, 447-455.	2.3	12
124	Effect of magnetic field on the microstructure and electrochemical performance of rapidly quenched La 0.1 Nd 0.075 Mg 0.04 Ni 0.65 Co 0.12 alloy. Journal of Alloys and Compounds, 2014, 617, 722-728.	5.5	6
125	Electrochemical behavior and cyclic fading mechanism of LiNi0.5Mn0.5O2 electrode in LiNO3 electrolyte. Transactions of Nonferrous Metals Society of China, 2014, 24, 415-422.	4.2	5
126	One-step template-free fabrication of mesoporous ZnO/TiO2 hollow microspheres with enhanced photocatalytic activity. Applied Surface Science, 2014, 307, 263-271.	6.1	69

#	Article	IF	Citations
127	Li_xV₂O₅/LiV₃O₈ nanoflakes with significantly improved electrochemical performance for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 8009-8016.	10.3	53
128	Aqueous rechargeable lithium batteries using NaV₆O₁₅ nanoflakes as high performance anodes. Journal of Materials Chemistry A, 2014, 2, 12999-13005.	10.3	75
129	Annealed NaV3O8 nanowires with good cycling stability as a novel cathode for Na-ion batteries. Journal of Materials Chemistry A, 2014, 2, 3563.	10.3	107
130	Synthesis and electrochemical properties of NaV3O8 nanoflakes as high-performance cathode for Li-ion battery. RSC Advances, 2014, 4, 8328.	3.6	36
131	Lithium deficient mesoporous Li 2â^'x MnSiO 4 with significantly improved electrochemical performance. Journal of Power Sources, 2014, 247, 497-502.	7.8	27
132	Comparative transcriptome analysis to investigate the high starch accumulation of duckweed (Landoltia punctata) under nutrient starvation. Biotechnology for Biofuels, 2013, 6, 72.	6.2	80
133	Enhanced electrochemical performance of Mg2Ni alloy prepared by rapid quenching in magnetic field. Journal of Power Sources, 2013, 238, 257-264.	7.8	16
134	Nanoparticulate Mn0.3Ce0.7O2: a novel electrocatalyst with improved power performance for metal/air batteries. Journal of Materials Chemistry A, 2013, 1, 12512.	10.3	47
135	Additive-free solvothermal synthesis of hierarchical flower-like LiFePO4/C mesocrystal and its electrochemical performance. RSC Advances, 2013, 3, 19366.	3.6	41
136	Na2V6O16Â·0.14H2O nanowires as a novel anode material for aqueous rechargeable lithium battery with good cycling performance. Journal of Power Sources, 2013, 227, 111-117.	7.8	83
137	Grain refining effect of magnetic field on Mg2Ni0.8Mn0.2 hydrogen storage alloys during rapid quenching. Electrochimica Acta, 2013, 112, 535-540.	5.2	8
138	A novel solvothermal synthesis of Mn3O4/graphene composites for supercapacitors. Electrochimica Acta, 2013, 90, 210-218.	5.2	193
139	Additive-free solvothermal synthesis and Li-ion intercalation properties ofÂdumbbell-shaped LiFePO4/C mesocrystals. Journal of Power Sources, 2013, 239, 103-110.	7.8	36
140	In-situ synthesis of carbon coated Li2MnSiO4 nanoparticles with high rate performance. Journal of Power Sources, 2013, 242, 865-871.	7.8	47
141	AlF3 coated LiV3O8 nanosheets with significantly improved cycling stability as cathode material for Li-ion battery. Solid State Ionics, 2013, 236, 37-42.	2.7	17
142	Facile and green synthesis of Co3O4 nanoplates/graphene nanosheets composite for supercapacitor. Journal of Solid State Electrochemistry, 2012, 16, 3593-3602.	2.5	82
143	Melamine assisted one-pot synthesis of Au nanoflowers and their catalytic activity towards p-nitrophenol. New Journal of Chemistry, 2012, 36, 2286.	2.8	40
144	Synthesis of LiV3O8 nanosheets as a high-rate cathode material for rechargeable lithium batteries. CrystEngComm, 2012, 14, 2831.	2.6	44

#	Article	IF	Citations
145	High-rate properties of Li1.95FeSiO4/C/CNTs composite as cathode material for lithium-ion batteries. Solid State Ionics, 2012, 220, 18-22.	2.7	17
146	Ultrathin Na1.08V3O8 nanosheetsâ€"a novel cathode material with superior rate capability and cycling stability for Li-ion batteries. Energy and Environmental Science, 2012, 5, 6173.	30.8	88
147	Synthesis of Î³-LiV2O5 nanorods as a high-performance cathode for Li ion battery. Journal of Solid State Electrochemistry, 2012, 16, 2555-2561.	2.5	39
148	Synthesis and characterization of nano-Li1.95FeSiO4/C composite as cathode material for lithium-ion batteries. Electrochimica Acta, 2012, 60, 239-243.	5.2	37
149	A new cathode material Na2V6O16Â·xH2O nanowire for lithium ion battery. Journal of Power Sources, 2012, 199, 263-269.	7.8	81
150	NH4V3O8 nanorod as a high performance cathode material for rechargeable Li-ion batteries. Journal of Power Sources, 2012, 199, 315-321.	7.8	48
151	NH4V3O8/carbon nanotubes composite cathode material with high capacity and good rate capability. Journal of Power Sources, 2011, 196, 9786-9791.	7.8	58
152	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.	2.5	31
153	Electrochemical property of NH4V3O8Â·0.2H2O flakes prepared by surfactant assisted hydrothermal method. Journal of Power Sources, 2011, 196, 788-792.	7.8	68
154	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.	4.9	69
155	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.	4.9	41
156	(NH4)0.5V2O5 nanobelt with good cycling stability as cathode material for Li-ion battery. Journal of Power Sources, 2011, 196, 5645-5650.	7.8	109
157	Preparation and characterization of Na-doped LiFePO4/C composites as cathode materials for lithium-ion batteries. Journal of Power Sources, 2010, 195, 4308-4312.	7.8	124
158	Synthesis and characterization of spherical nonstoichiometric Ni(OH)x (x=2.03â€"2.10) as electrode materials. Journal of Power Sources, 2010, 195, 5094-5100.	7.8	9
159	Synthesis and electrochemical performance of Li2FeSiO4/carbon/carbon nano-tubes for lithium ion battery. Electrochimica Acta, 2010, 55, 7362-7366.	5.2	95
160	Synthesis and electrochemical performance of Li2FeSiO4/C as cathode material for lithium batteries. Solid State Ionics, 2010, 181, 1451-1455.	2.7	56
161	A study on the ultrasonic preparation of nanocrystalline zinc oxide in room temperature ionic liquid and triethylene glycol. , 2010, , .		0
162	Uniform AlF3 thin layer to improve rate capability of LiNi1/3Co1/3 Mn1/3O2 material for Li-ion batteries. Transactions of Nonferrous Metals Society of China, 2010, 20, 803-808.	4.2	19

#	Article	IF	Citations
163	Preparation and characterization of spinel LiMn2O4 nanorods as lithium-ion battery cathodes. Transactions of Nonferrous Metals Society of China, 2010, 20, 2309-2313.	4.2	17
164	Synthesis of zinc oxide nanorods in ionic liquid via ultrasonic irradiation. , 2009, , .		0
165	A study on the local environment of lanthanide ion in nanocrystalline titania. , 2009, , .		0
166	FTâ€“IR Studies on Langmuirâ€“Blodgett Films of Novel Phosphorus Amphiphiles: Spontaneous Polycondensation at the Air/Water Interface. Journal of Chemical Research, 2005, 2005, 385-387.	1.3	0
167	Condensation properties of vesicles formed from an amphiphilic N-phosphorylamino acid. Journal of Colloid and Interface Science, 2005, 287, 307-311.	9.4	5