Jun Chen

List of Publications by Year
in descending order

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618	89,258	172	449
papers	citations	154 h-index	273 g-index

652	652	652	48541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafine RuO2 nanoparticles/MWCNTs cathodes for rechargeable Na-CO2 batteries with accelerated kinetics of Na2CO3 decomposition. Chinese Chemical Letters, 2023, 34, 107405.	4.8	4
2	Biaxial strained dual-phase palladium-copper bimetal boosts formic acid electrooxidation. Nano Research, 2022, 15, 280-284.	5.8	19
3	Insights into Redox Processes and Correlated Performance of Organic Carbonyl Electrode Materials in Rechargeable Batteries. Advanced Materials, 2022, 34, e2104150.	11.1	69
4	A potential anchoring material for lithiumâ€“sulfur batteries: Monolayer PtTe sheet. Applied Surface Science, 2022, 572, 151378.	3.1	9
5	A telluride-doped porous carbon as highly efficient bifunctional catalyst for rechargeable Zn-air batteries. Electrochimica Acta, 2022, 404, 139606.	2.6	12
6	Building Homogenous Li₂TiO₃ Coating Layer on Primary Particles to Stabilize Liâ€Rich Mnâ€Based Cathode Materials. Small, 2022, 18, e2106337.	5.2	42
7	In Situ Surface Selfâ€Reconstruction Strategies in Liâ€Rich Mnâ€Based Layered Cathodes for Energyâ€Dense Liâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	35
8	Orthoquinoneâ€“Based Covalent Organic Frameworks with Ordered Channel Structures for Ultrahigh Performance Aqueous Zincâ€“Organic Batteries. Angewandte Chemie, 2022, 134, .	1.6	29
9	Manipulating Stable Layered P2â€Type Cathode via a Coâ€Substitution Strategy for High Performance Sodium Ion Batteries. Small Methods, 2022, 6, e2101292.	4.6	32
10	Orthoquinoneâ€“Based Covalent Organic Frameworks with Ordered Channel Structures for Ultrahigh Performance Aqueous Zincâ€“Organic Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	124
11	An MXeneâ€Based Metal Anode with Stepped Sodiophilic Gradient Structure Enables a Large Current Density for Rechargeable Naâ€“O₂ Batteries. Advanced Materials, 2022, 34, e2106565.	11.1	35
12	High-performance all-solid-state electrolyte for sodium batteries enabled by the interaction between the anion in salt and Na₃SbS₄. Chemical Science, 2022, 13, 3416-3423.	3.7	20
13	Photoelectrochemistry of oxygen in rechargeable Liâ€“O₂ batteries. Chemical Society Reviews, 2022, 51, 1846-1860.	18.7	61
14	Challenges and advances in wide-temperature rechargeable lithium batteries. Energy and Environmental Science, 2022, 15, 1711-1759.	15.6	138
15	Molecular sieve based Janus separators for Li-ions redistribution to enable stable lithium deposition. Nano Research, 2022, 15, 5143-5152.	5.8	9
16	Toward accurate and efficient dynamic computational strategy for heterogeneous catalysis: Temperature-dependent thermodynamics and kinetics for the chemisorbed on-surface CO. Chinese Chemical Letters, 2022, 33, 4936-4942.	4.8	7
17	MnO₂ Nanosheets on a Carbon Nanofiber Freestanding Film by Electrospinning and In Situ Spraying for Lithium and Sodium Storage. ACS Applied Energy Materials, 2022, 5, 3587-3594.	2.5	15
18	Crack-free single-crystalline Co-free Ni-rich LiNi0.95Mn0.05O2 layered cathode. EScience, 2022, 2, 116-124.	25.0	116

#	Article	IF	Citations
19	A free-sealed high-voltage aqueous polymeric sodium battery enabling operation at â˜’25Â°C. Cell Reports Physical Science, 2022, 3, 100805.	2.8	10
20	UV-Cured Semi-Interpenetrating polymer networks of solid electrolytes for rechargeable lithium metal batteries. Chemical Engineering Journal, 2022, 437, 135329.	6.6	14
21	A Symmetric Allâ€Organic Proton Battery in Mild Electrolyte. Angewandte Chemie, 2022, 134, .	1.6	29
22	A Symmetric Allâ€Organic Proton Battery in Mild Electrolyte. Angewandte Chemie - International Edition, 2022, 61, e202115180.	7.2	76
23	Gradient doping Mg and Al to stabilize Ni-rich cathode materials for rechargeable lithium-ion batteries. Journal of Power Sources, 2022, 535, 231445.	4.0	33
24	A universal strategy for high-voltage aqueous batteries via lone pair electrons as the hydrogen bond-breaker. Energy and Environmental Science, 2022, 15, 2653-2663.	15.6	33
25	Quinone Electrodes for Alkaliâ€“Acid Hybrid Batteries. Journal of the American Chemical Society, 2022, 144, 8066-8072.	6.6	23
26	Mitigating the Jahn-Teller distortion driven by the spin-orbit coupling of lithium manganate cathode. Journal of Energy Chemistry, 2022, 72, 379-387.	7.1	11
27	Tuning Interphase Chemistry to Stabilize Highâ€Voltage LiCoO₂Cathode Material via Spinel Coating. Angewandte Chemie - International Edition, 2022, 61, .	7.2	37
28	Atomic-Level Modulation-Induced Electron Redistribution in Co Coordination Polymers Elucidates the Oxygen Reduction Mechanism. ACS Catalysis, 2022, 12, 7531-7540.	5.5	36
29	Ï€-type orbital hybridization and reactive oxygen quenching induced by Se-doping for Li-rich Mn-based oxide cathode. Energy Storage Materials, 2022, 51, 671-682.	9.5	15
30	Phthalocyanine polymer grafted graphene oxide matrix as high-performance anode material for lithium-ion batteries. Sustainable Energy and Fuels, 2022, 6, 3740-3755.	2.5	2
31	Rational design and synthesis of two-dimensional conjugated metal-organic polymers for electrocatalysis applications. CheM, 2022, 8, 1822-1854.	5.8	32
32	Bifunctional Effects of Cation Additive on Naâ€O₂Batteries. Angewandte Chemie, 2021, 133, 3242-3248.	1.6	9
33	Bifunctional Effects of Cation Additive on Naâ€O₂Batteries. Angewandte Chemie - International Edition, 2021, 60, 3205-3211.	7.2	35
34	Current state-of-the-art characterization techniques for probing the layered oxide cathode materials of sodium-ion batteries. Energy Storage Materials, 2021, 35, 400-430.	9.5	45
35	A comprehensive understanding of the anionic redox chemistry in layered oxide cathodes for sodium-ion batteries. Science China Chemistry, 2021, 64, 385-402.	4.2	40
36	Recent breakthroughs and perspectives of high-energy layered oxide cathode materials for lithium ion batteries. Materials Today, 2021, 43, 132-165.	8.3	174

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37	Mitigation of Jahnâ€“Teller distortion and Na⁺/vacancy ordering in a distorted manganese oxide cathode material by Li substitution. Chemical Science, 2021, 12, 1062-1067.	3.7	64
38	A phthalocyanine-grafted MAâ€“VA framework polymer as a high performance anode material for lithium/sodium-ion batteries. Dalton Transactions, 2021, 50, 9858-9870.	1.6	9
39	Graphene composite 3,4,9,10-perylenetetracarboxylic sodium salts with a honeycomb structure as a high performance anode material for lithium ion batteries. Nanoscale Advances, 2021, 3, 4561-4571.	2.2	4
40	1,4,5,8-Naphthalenetetracarboxylic dianhydride grafted phthalocyanine macromolecules as an anode material for lithium ion batteries. Nanoscale Advances, 2021, 3, 3199-3215.	2.2	13
41	Semiconducting Metalâ€“Organic Polymer Nanosheets for a Photoinvolved Liâ€“O₂ Battery under Visible Light. Journal of the American Chemical Society, 2021, 143, 1941-1947.	6.6	124
42	A graphene@framework polymer derived from addition polymerization of phthalocyanine/dicarboxaldehyde as a negative material for lithium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 7291-7305.	3.2	3
43	Graphite-like structure of disordered polynaphthalene hard carbon anode derived from the carbonization of perylene-3,4,9,10-tetracarboxylic dianhydride for fast-charging lithium-ion batteries. New Journal of Chemistry, 2021, 45, 16658-16669.	1.4	8
44	Electroless Formation of a Fluorinated Li/Na Hybrid Interphase for Robust Lithium Anodes. Journal of the American Chemical Society, 2021, 143, 2829-2837.	6.6	119
45	Hollow Porous Bowl-like Nitrogen-Doped Cobalt/Carbon Nanocomposites with Enhanced Electromagnetic Wave Absorption. Chemistry of Materials, 2021, 33, 1789-1798.	3.2	139
46	Aromaticity/Antiaromaticity Effect on Activity of Transition Metal Macrocyclic Complexes towards Electrocatalytic Oxygen Reduction. ChemSusChem, 2021, 14, 1835-1839.	3.6	10
47	Rechargeable Kâ€CO₂ Batteries with a KSn Anode and a Carboxylâ€Containing Carbon Nanotube Cathode Catalyst. Angewandte Chemie - International Edition, 2021, 60, 9540-9545.	7.2	23
48	Rechargeable Kâ€CO 2 Batteries with a KSn Anode and a Carboxylâ€Containing Carbon Nanotube Cathode Catalyst. Angewandte Chemie, 2021, 133, 9626-9631.	1.6	5
49	Highâ€Energyâ€Density Quinoneâ€Based Electrodes with [Al(OTF)]²⁺ Storage Mechanism for Rechargeable Aqueous Aluminum Batteries. Advanced Functional Materials, 2021, 31, 2102063.	7.8	61
50	Surface plasmon mediates the visible lightâ€“responsive lithiumâ€“oxygen battery with Au nanoparticles on defective carbon nitride. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	74
51	Tuning local chemistry of P2 layered-oxide cathode for high energy and long cycles of sodium-ion battery. Nature Communications, 2021, 12, 2256.	5.8	183
52	Demystifying the Lattice Oxygen Redox in Layered Oxide Cathode Materials of Lithium-Ion Batteries. ACS Nano, 2021, 15, 6061-6104.	7.3	77
53	Opportunities and challenges for aqueous metal-proton batteries. Matter, 2021, 4, 1252-1273.	5.0	63
54	A Lowâ€Strain Potassiumâ€Rich Prussian Blue Analogue Cathode for High Power Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 13050-13056.	7.2	90

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55	A Lowâ€Strain Potassiumâ€Rich Prussian Blue Analogue Cathode for High Power Potassiumâ€Ion Batteries. Angewandte Chemie, 2021, 133, 13160-13166.	1.6	16
56	Advances and Challenges for the Electrochemical Reduction of CO₂ to CO: From Fundamentals to Industrialization. Angewandte Chemie, 2021, 133, 20795-20816.	1.6	82
57	Designing Electrolyte Structure to Suppress Hydrogen Evolution Reaction in Aqueous Batteries. ACS Energy Letters, 2021, 6, 2174-2180.	8.8	126
58	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. Nano Energy, 2021, 83, 105854.	8.2	264
59	Advances and Challenges for the Electrochemical Reduction of CO₂ to CO: From Fundamentals to Industrialization. Angewandte Chemie - International Edition, 2021, 60, 20627-20648.	7.2	408
60	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via dâ€“Ï€ Conjugation. Angewandte Chemie, 2021, 133, 17074-17078.	1.6	9
61	Virtual Special Issue of Recent Research Advances in China: Batteries and Energy Storage. Energy & Fuels, 2021, 35, 10945-10948.	2.5	7
62	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via dâ€“Ï€ Conjugation. Angewandte Chemie - International Edition, 2021, 60, 16937-16941.	7.2	74
63	Molecularly Compensated Preâ€Metallation Strategy for Metalâ€Ion Batteries and Capacitors. Angewandte Chemie, 2021, 133, 17207-17216.	1.6	4
64	Molecularly Compensated Preâ€Metallation Strategy for Metalâ€Ion Batteries and Capacitors. Angewandte Chemie - International Edition, 2021, 60, 17070-17079.	7.2	52
65	A Universal Compensation Strategy to Anchor Polar Organic Molecules in Bilayered Hydrated Vanadates for Promoting Aqueous Zincâ€Ion Storage. Advanced Materials, 2021, 33, e2102701.	11.1	76
66	Solid Solution Metal Chalcogenides for Sodiumâ€Ion Batteries: The Recent Advances as Anodes. Small, 2021, 17, e2101058.	5.2	45
67	Chaotropic Anion and Fast-Kinetics Cathode Enabling Low-Temperature Aqueous Zn Batteries. ACS Energy Letters, 2021, 6, 2704-2712.	8.8	153
68	High performance of low-temperature electrolyte for lithium-ion batteries using mixed additives. Chemical Engineering Journal, 2021, 418, 129400.	6.6	47
69	Structureâ€“Performance Relationships of Covalent Organic Framework Electrode Materials in Metal-Ion Batteries. Journal of Physical Chemistry Letters, 2021, 12, 8061-8071.	2.1	26
70	Xylitol-assisted ball milling of graphite to prepare long-cycle and high-capacity graphene nanosheet as lithium-ion anode materials. Journal of Materials Science, 2021, 56, 18200-18209.	1.7	8
71	Two-Phase Transition Induced Amorphous Metal Phosphides Enabling Rapid, Reversible Alkali-Metal Ion Storage. ACS Nano, 2021, 15, 13486-13494.	7.3	23
72	Insights into the Ionic Conduction Mechanism of Quasiâ€Solid Polymer Electrolytes through Multispectral Characterization. Angewandte Chemie, 2021, 133, 22854-22859.	1.6	5

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73	Designing Anionâ€Type Waterâ€Free Zn²⁺ Solvation Structure for Robust Zn Metal Anode. Angewandte Chemie - International Edition, 2021, 60, 23357-23364.	7.2	179
74	An Ionic Liquid Electrolyte with Enhanced Li⁺ Transport Ability Enables Stable Li Deposition for Highâ€Performance Liâ€O₂ Batteries. Angewandte Chemie - International Edition, 2021, 60, 25973-25980.	7.2	35
75	Designing Anionâ€Type Waterâ€Free Zn²⁺ Solvation Structure for Robust Zn Metal Anode. Angewandte Chemie, 2021, 133, 23545-23552.	1.6	57
76	An Ionic Liquid Electrolyte with Enhanced Li⁺ Transport Ability Enables Stable Li Deposition for Highâ€Performance Liâ€O₂ Batteries. Angewandte Chemie, 2021, 133, 26177-26184.	1.6	11
77	Insights into the Ionic Conduction Mechanism of Quasiâ€Solid Polymer Electrolytes through Multispectral Characterization. Angewandte Chemie - International Edition, 2021, 60, 22672-22677.	7.2	72
78	Phthalocyanine-based covalent organic frameworks as novel anode materials for high-performance lithium-ion/sodium-ion batteries. Chemical Engineering Journal, 2021, 425, 131630.	6.6	45
79	Developing better ester- and ether-based electrolytes for potassium-ion batteries. Chemical Science, 2021, 12, 2345-2356.	3.7	43
80	An extended carbonyl-rich conjugated polymer cathode for high-capacity lithium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 2700-2705.	5.2	58
81	In Situ Polymerized Conjugated Poly(pyreneâ€4,5,9,10â€tetraone)/Carbon Nanotubes Composites for Highâ€Performance Cathode of Sodium Batteries. Advanced Energy Materials, 2021, 11, 2002917.	10.2	69
82	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. Advanced Science, 2021, 8, e2102859.	5.6	32
83	Revisiting the Hitherto Elusive Cyclohexanehexone Molecule: Bulk Synthesis, Mass Spectrometry, and Theoretical Studies. Journal of Physical Chemistry Letters, 2021, 12, 9848-9852.	2.1	12
84	Syntheses, challenges and modifications of single-crystal cathodes for lithium-ion battery. Journal of Energy Chemistry, 2021, 63, 217-229.	7.1	30
85	Improving metallic lithium anode with NaPF6 additive in LiPF6-carbonate electrolyte. Journal of Energy Chemistry, 2020, 42, 1-4.	7.1	20
86	Selfâ€Supported Transitionâ€Metalâ€Based Electrocatalysts for Hydrogen and Oxygen Evolution. Advanced Materials, 2020, 32, e1806326.	11.1	986
87	Proton Intercalation/Deâ€Intercalation Dynamics in Vanadium Oxides for Aqueous Aluminum Electrochemical Cells. Angewandte Chemie - International Edition, 2020, 59, 3048-3052.	7.2	122
88	Proton Intercalation/Deâ€Intercalation Dynamics in Vanadium Oxides for Aqueous Aluminum Electrochemical Cells. Angewandte Chemie, 2020, 132, 3072-3076.	1.6	13
89	Nitrogen-rich covalent organic frameworks with multiple carbonyls for high-performance sodium batteries. Nature Communications, 2020, 11, 178.	5.8	279
90	3D-Printed Ultra-Robust Surface-Doped Porous Silicone Sensors for Wearable Biomonitoring. ACS Nano, 2020, 14, 1520-1532.	7.3	151

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91	Understanding the Ion-Sorption Dynamics in Functionalized Porous Carbons for Enhanced Capacitive Energy Storage. ACS Applied Materials & Interfaces, 2020, 12, 2773-2782.	4.0	17
92	Hot-Injection Synthesis of PtCu₃ Concave Nanocubes with High-Index Facets for Electrocatalytic Oxidation of Methanol and Formic Acid. ACS Applied Energy Materials, 2020, 3, 1010-1016.	2.5	28
93	Pore size effect of graphyne supports on CO₂ electrocatalytic activity of Cu single atoms. Physical Chemistry Chemical Physics, 2020, 22, 1181-1186.	1.3	37
94	Synthesis and application of Calix[6]quinone as a high-capacity organic cathode for plastic crystal electrolyte-based lithium-ion batteries. Energy Storage Materials, 2020, 26, 465-471.	9.5	63
95	Hierarchical Engineering of Porous P2â€Na_{2/3}Ni_{1/3}Mn_{2/3}O₂ Nanofibers Assembled by Nanoparticles Enables Superior Sodiumâ€Ion Storage Cathodes. Advanced Functional Materials, 2020, 30, 1907837.	7.8	117
96	Butyl acrylate (BA) and ethylene carbonate (EC) electrolyte additives for low-temperature performance of lithium ion batteries. Journal of Power Sources, 2020, 476, 228697.	4.0	24
97	Energy Storage Chemistry in Aqueous Zinc Metal Batteries. ACS Energy Letters, 2020, 5, 3569-3590.	8.8	163
98	Exploring the Interfacial Chemistry between Zinc Anodes and Aqueous Electrolytes via an In Situ Visualized Characterization System. ACS Applied Materials & Interfaces, 2020, 12, 55476-55482.	4.0	58
99	Recent advances in Ni-rich layered oxide particle materials for lithium-ion batteries. Particuology, 2020, 53, 1-11.	2.0	60
100	Room-Temperature Flexible Quasi-Solid-State Rechargeable Naâ€“O₂ Batteries. ACS Central Science, 2020, 6, 1955-1963.	5.3	25
101	A Twoâ€Dimensional Metalâ€“Organic Polymer Enabled by Robust Nickelâ€“Nitrogen and Hydrogen Bonds for Exceptional Sodiumâ€Ion Storage. Angewandte Chemie, 2020, 132, 22310-22315.	1.6	18
102	Dualâ€Strategy of Cationâ€Doping and Nanoengineering Enables Fast and Stable Sodiumâ€Ion Storage in a Novel Fe/Mnâ€Based Layered Oxide Cathode. Advanced Science, 2020, 7, 2002199.	5.6	83
103	Modulating electrolyte structure for ultralow temperature aqueous zinc batteries. Nature Communications, 2020, 11, 4463.	5.8	431
104	A Twoâ€Dimensional Metalâ€“Organic Polymer Enabled by Robust Nickelâ€“Nitrogen and Hydrogen Bonds for Exceptional Sodiumâ€Ion Storage. Angewandte Chemie - International Edition, 2020, 59, 22126-22131.	7.2	115
105	A Universal Graphene Quantum Dot Tethering Design Strategy to Synthesize Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2020, 59, 21885-21889.	7.2	79
106	A Universal Graphene Quantum Dot Tethering Design Strategy to Synthesize Singleâ€Atom Catalysts. Angewandte Chemie, 2020, 132, 22069-22073.	1.6	9
107	UV-Cured Interpenetrating Networks of Single-ion Conducting Polymer Electrolytes for Rechargeable Lithium Metal Batteries. ACS Applied Energy Materials, 2020, 3, 12532-12539.	2.5	20
108	A chemically self-charging aqueous zinc-ion battery. Nature Communications, 2020, 11, 2199.	5.8	221

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109	Materials chemistry for rechargeable zinc-ion batteries. Chemical Society Reviews, 2020, 49, 4203-4219.	18.7	787
110	Urchinâ€Like Fe₃Se₄ Hierarchitectures: A Novel Pseudocapacitive Sodiumâ€Ion Storage Anode with Prominent Rate and Cycling Properties. Small, 2020, 16, e2000504.	5.2	39
111	A 3D Hydroxylated MXene/Carbon Nanotubes Composite as a Scaffold for Dendriteâ€Free Sodiumâ€Metal Electrodes. Angewandte Chemie - International Edition, 2020, 59, 16705-16711.	7.2	138
112	A 3D Hydroxylated MXene/Carbon Nanotubes Composite as a Scaffold for Dendriteâ€Free Sodiumâ€Metal Electrodes. Angewandte Chemie, 2020, 132, 16848.	1.6	11
113	Facile-Processed Nanocarbon-Promoted Sulfur Cathode for Highly Stable Sodium-Sulfur Batteries. Cell Reports Physical Science, 2020, 1, 100015.	2.8	18
114	Photoâ€excited Oxygen Reduction and Oxygen Evolution Reactions Enable a Highâ€Performance Znâ€“Air Battery. Angewandte Chemie - International Edition, 2020, 59, 18140-18144.	7.2	105
115	Photoâ€excited Oxygen Reduction and Oxygen Evolution Reactions Enable a Highâ€Performance Znâ€“Air Battery. Angewandte Chemie, 2020, 132, 18297-18301.	1.6	30
116	A Novel NASICONâ€Type Na₄MnCr(PO₄)₃ Demonstrating the Energy Density Record of Phosphate Cathodes for Sodiumâ€Ion Batteries. Advanced Materials, 2020, 32, e1906348.	11.1	142
117	Prospects of organic electrode materials for practical lithium batteries. Nature Reviews Chemistry, 2020, 4, 127-142.	13.8	772
118	Polyacrylonitrile Hard Carbon as Anode of High Rate Capability for Lithium Ion Batteries. Frontiers in Energy Research, 2020, 8, .	1.2	34
119	Materials Science at Nankai: A Special Issue Dedicated to the 100th Anniversary of Nankai University. Advanced Materials, 2020, 32, e1907314.	11.1	0
120	A phenazine anode for high-performance aqueous rechargeable batteries in a wide temperature range. Nano Research, 2020, 13, 676-683.	5.8	52
121	Electrodeposition Accelerates Metal-Based Batteries. Joule, 2020, 4, 10-11.	11.7	36
122	Molecular Design Strategy for Highâ€Redoxâ€Potential and Poorly Soluble nâ€Type Phenazine Derivatives as Cathode Materials for Lithium Batteries. ChemSusChem, 2020, 13, 2337-2344.	3.6	35
123	A Comparative Review of Electrolytes for Organicâ€Materialâ€Based Energyâ€Storage Devices Employing Solid Electrodes and Redox Fluids. ChemSusChem, 2020, 13, 2205-2219.	3.6	64
124	Preface to the Special Issue of ChemSusChem on Organic Batteries. ChemSusChem, 2020, 13, 2107-2109.	3.6	7
125	Nanograined copper foil as a high-performance collector for lithium-ion batteries. Journal of Alloys and Compounds, 2020, 831, 154801.	2.8	13
126	Charge Storage Mechanism and Structural Evolution of Viologen Crystals as the Cathode of Lithium Batteries. Angewandte Chemie, 2020, 132, 11630-11636.	1.6	9

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127	Charge Storage Mechanism and Structural Evolution of Viologen Crystals as the Cathode of Lithium Batteries. Angewandte Chemie - International Edition, 2020, 59, 11533-11539.	7.2	40
128	Electrodeposition of (hydro)oxides for an oxygen evolution electrode. Chemical Science, 2020, 11, 10614-10625.	3.7	117
129	Facile synthesis of amorphous MoS_xâ€“Fe anchored on Zr-MOFs towards efficient and stable electrocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 2763-2766.	2.2	27
130	Unraveling the Formation of Amorphous MoS₂ Nanograins during the Electrochemical Delithiation Process. Advanced Functional Materials, 2019, 29, 1904843.	7.8	38
131	Single Nickel Atoms on Nitrogenâ€Doped Graphene Enabling Enhanced Kinetics of Lithiumâ€“Sulfur Batteries. Advanced Materials, 2019, 31, e1903955.	11.1	447
132	Porous diatomite-mixed 1,4,5,8-NTCDA nanowires as high-performance electrode materials for lithium-ion batteries. Nanoscale, 2019, 11, 15881-15891.	2.8	22
133	Safety-reinforced rechargeable Li-CO2 battery based on a composite solid state electrolyte. Nano Research, 2019, 12, 2543-2548.	5.8	31
134	Microcrystalline copper foil as a high performance collector for lithium-ion batteries. Journal of Power Sources, 2019, 438, 226973.	4.0	24
135	Morphology tuning of inorganic nanomaterials grown by precipitation through control of electrolytic dissociation and supersaturation. Nature Chemistry, 2019, 11, 695-701.	6.6	86
136	Structure design and mechanism analysis of silicon anode for lithium-ion batteries. Science China Materials, 2019, 62, 1515-1536.	3.5	80
137	Mn-doped atomic SnO₂ layers for highly efficient CO₂ electrochemical reduction. Journal of Materials Chemistry A, 2019, 7, 19651-19656.	5.2	63
138	Photoinduced Oxygen Reduction Reaction Boosts the Output Voltage of a Zincâ€“Air Battery. Angewandte Chemie - International Edition, 2019, 58, 12460-12464.	7.2	102
139	Photoinduced Oxygen Reduction Reaction Boosts the Output Voltage of a Zincâ€“Air Battery. Angewandte Chemie, 2019, 131, 12590-12594.	1.6	33
140	Rechargeable Aqueous Polymer-Air Batteries Based on Polyanthraquinone Anode. CheM, 2019, 5, 2159-2170.	5.8	61
141	Tuning Oxygen Redox Chemistry in Liâ€Rich Mnâ€Based Layered Oxide Cathodes by Modulating Cation Arrangement. Advanced Materials, 2019, 31, e1901808.	11.1	86
142	Materials chemistry at Nankai University: A special issue dedicated to the 100th anniversary of Nankai University. Science China Materials, 2019, 62, 1505-1506.	3.5	0
143	Aqueous Batteries Operated at â^'50â€‰Â°C. Angewandte Chemie, 2019, 131, 17150-17155.	1.6	47
144	Photoâ€energy Conversion and Storage in an Aprotic Liâ€O₂ Battery. Angewandte Chemie, 2019, 131, 19197-19202.	1.6	44

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145	Photoâ€energy Conversion and Storage in an Aprotic Liâ€O₂ Battery. Angewandte Chemie - International Edition, 2019, 58, 19021-19026.	7.2	94
146	Aqueous Batteries Operated at â^'50â€‰Â°C. Angewandte Chemie - International Edition, 2019, 58, 16994-16999.	7.2	277
147	Star Brush Block Copolymer Electrolytes with High Ambient-Temperature Ionic Conductivity for Quasi-Solid-State Lithium Batteries. , 2019, 1, 606-612.		32
148	Spinel/Lithiumâ€Rich Manganese Oxide Hybrid Nanofibers as Cathode Materials for Rechargeable Lithiumâ€Ion Batteries. Small Methods, 2019, 3, 1900350.	4.6	44
149	LiNi_{0.90}Co_{0.07}Mg_{0.03}O₂ cathode materials with Mg-concentration gradient for rechargeable lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 20958-20964.	5.2	54
150	Recent Advances in Isolated Single-Atom Catalysts for Zinc Air Batteries: A Focus Review. Nanomaterials, 2019, 9, 1402.	1.9	42
151	A nonaqueous potassium-ion hybrid capacitor enabled by two-dimensional diffusion pathways ofÂdipotassium terephthalate. Chemical Science, 2019, 10, 2048-2052.	3.7	118
152	A Selfâ€Healing Integrated Allâ€inâ€One Zincâ€Ion Battery. Angewandte Chemie, 2019, 131, 4357-4361.	1.6	113
153	A Selfâ€Healing Integrated Allâ€inâ€One Zincâ€Ion Battery. Angewandte Chemie - International Edition, 2019, 58, 4313-4317.	7.2	311
154	Stabilizing nickel-rich layered oxide cathodes by magnesium doping for rechargeable lithium-ion batteries. Chemical Science, 2019, 10, 1374-1379.	3.7	201
155	Ultrathin, flexible, solid polymer composite electrolyte enabled with aligned nanoporous host for lithium batteries. Nature Nanotechnology, 2019, 14, 705-711.	15.6	773
156	All-Climate Aqueous Dual-Ion Hybrid Battery with Ultrahigh Rate and Ultralong Life Performance. ACS Applied Energy Materials, 2019, 2, 4370-4378.	2.5	50
157	Recent Progress on Catalysts for the Positive Electrode of Aprotic Lithium-Oxygen Batteries â€. Inorganics, 2019, 7, 69.	1.2	8
158	Understanding the superior sodium-ion storage in a novel Na3.5Mn0.5V1.5(PO4)3 cathode. Energy Storage Materials, 2019, 23, 25-34.	9.5	81
159	Selective hydrogenation of CO₂ over a Ce promoted Cu-based catalyst confined by SBA-15. Inorganic Chemistry Frontiers, 2019, 6, 1799-1812.	3.0	20
160	Theoretical study on lithiation mechanism of benzoquinone-based macrocyclic compounds as cathode for lithium-ion batteries. Physical Chemistry Chemical Physics, 2019, 21, 11004-11010.	1.3	7
161	Surface modification of Li-rich manganese-based cathode materials by chemical etching. Inorganic Chemistry Frontiers, 2019, 6, 1694-1700.	3.0	24
162	Batteries & Supercaps: Making a Better Tomorrow. Batteries and Supercaps, 2019, 2, 401-402.	2.4	2

#	Article	IF	Citations
163	Special issue dedicated to the 100th anniversary of Nankai University. Science China Chemistry, 2019, 62, 521-524.	4.2	0
164	Synthesis of Single Lithium-Ion Conducting Polymer Electrolyte Membrane for Solid-State Lithium Metal Batteries. ACS Applied Energy Materials, 2019, 2, 3028-3034.	2.5	81
165	Single Atoms on Graphene for Energy Storage and Conversion. Small Methods, 2019, 3, 1800443.	4.6	64
166	A stable 2D nano-columnar sandwich layered phthalocyanine negative electrode for lithium-ion batteries. Journal of Power Sources, 2019, 426, 169-177.	4.0	30
167	Reversible Oxygen Redox Chemistry in Aqueous Zincâ€ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 7062-7067.	7.2	321
168	A high-energy-density sodium-ion full battery based on tin anode. Science China Chemistry, 2019, 62, 616-621.	4.2	45
169	Is the Suzukiâ€“Miyaura Cross-Coupling Reaction in the Presence of Pd Nanoparticles Heterogeneously or Homogeneously Catalyzed? An Interfacial Surface-Enhanced Raman Spectroscopy Study. Journal of Physical Chemistry Letters, 2019, 10, 1286-1291.	2.1	60
170	Recent progress on lithium-ion batteries with high electrochemical performance. Science China Chemistry, 2019, 62, 533-548.	4.2	136
171	Cyclohexanehexone with Ultrahigh Capacity as Cathode Materials for Lithiumâ€ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 7020-7024.	7.2	252
172	Reversible Oxygen Redox Chemistry in Aqueous Zincâ€ion Batteries. Angewandte Chemie, 2019, 131, 7136-7141.	1.6	33
173	A novel aqueous sodiumâ€“manganese battery system for energy storage. Journal of Materials Chemistry A, 2019, 7, 8122-8128.	5.2	36
174	A compatible anode/succinonitrile-based electrolyte interface in all-solid-state Naâ€“CO₂ batteries. Chemical Science, 2019, 10, 4306-4312.	3.7	72
175	Dynamic processes in Si and Si/C anodes in lithium-ion batteries during cycling. Journal of Electroanalytical Chemistry, 2019, 839, 187-194.	1.9	15
176	In situ Synthesis of a Bismuth Layer on a Sodium Metal Anode for Fast Interfacial Transport in Sodiumâ€Oxygen Batteries. Batteries and Supercaps, 2019, 2, 663-667.	2.4	32
177	Cyclohexanehexone with Ultrahigh Capacity as Cathode Materials for Lithiumâ€ion Batteries. Angewandte Chemie, 2019, 131, 7094-7098.	1.6	51
178	Freestanding reduced graphene oxide/sodium vanadate composite films for flexible aqueous zinc-ion batteries. Science China Chemistry, 2019, 62, 609-615.	4.2	51
179	Dual Interphase Layers In Situ Formed on a Manganese-Based Oxide Cathode Enable Stable Potassium Storage. CheM, 2019, 5, 3220-3231.	5.8	79
180	Layered H_{0.68}Ti_{1.83}O₄/reduced graphene oxide nanosheets as a novel cathode for rechargeable magnesium batteries. Chemical Communications, 2019, 55, 14578-14581.	2.2	14

#	Article	IF	Citations
181	Spinel oxide nanoparticles embedded in nitrogen-doped carbon nanofibers as a robust and self-standing bifunctional oxygen cathode for Znâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 24868-24876.	5.2	76
182	Combining Quinone Cathode and Ionic Liquid Electrolyte for Organic Sodium-Ion Batteries. CheM, 2019, 5, 364-375.	5.8	104
183	Porous V2O5 nanofibers as cathode materials for rechargeable aqueous zinc-ion batteries. Journal of Energy Chemistry, 2019, 38, 20-25.	7.1	225
184	Self-assembly synthesis of solid polymer electrolyte with carbonate terminated poly(ethylene glycol) matrix and its application for solid state lithium battery. Journal of Energy Chemistry, 2019, 38, 55-59.	7.1	26
185	Three-Dimensional Porous Cobalt Phosphide Nanocubes Encapsulated in a Graphene Aerogel as an Advanced Anode with High Coulombic Efficiency for High-Energy Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 5373-5379.	4.0	78
186	Recent Advances in 3D Graphene Architectures and Their Composites for Energy Storage Applications. Small, 2019, 15, e1803858.	5.2	99
187	Advanced nanostructured carbon-based materials for rechargeable lithium-sulfur batteries. Carbon, 2019, 141, 400-416.	5.4	268
188	Nanostructured NiMoO4 as active electrocatalyst for oxygen evolution. Chinese Chemical Letters, 2019, 30, 319-323.	4.8	55
189	MoS₂-modified graphite felt as a high performance electrode material for zincâ€“polyiodide redox flow batteries. Inorganic Chemistry Frontiers, 2019, 6, 731-735.	3.0	17
190	Largeâ€Area Reduced Graphene Oxide Composite Films for Flexible Asymmetric Sandwich and Microsized Supercapacitors. Advanced Functional Materials, 2018, 28, 1707247.	7.8	103
191	Review of Electrolytes in Nonaqueous Lithiumâ€“Oxygen Batteries. Advanced Sustainable Systems, 2018, 2, 1700183.	2.7	46
192	A Porous Network of Bismuth Used as the Anode Material for Highâ€Energyâ€Density Potassiumâ€Ion Batteries. Angewandte Chemie, 2018, 130, 4777-4781.	1.6	119
193	A Porous Network of Bismuth Used as the Anode Material for Highâ€Energyâ€Density Potassiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 4687-4691.	7.2	448
194	Lowâ€Cost K₄Fe(CN)₆ as a Highâ€Voltage Cathode for Potassiumâ€Ion Batteries. ChemSusChem, 2018, 11, 1285-1289.	3.6	38
195	High-capacity aqueous zinc batteries using sustainable quinone electrodes. Science Advances, 2018, 4, eaao1761.	4.7	716
196	Super P Carbon Modified Lithium Anode for Highâ€Performance Liâ€'O₂ Batteries. ChemElectroChem, 2018, 5, 1702-1707.	1.7	31
197	Aqueous rechargeable zinc/sodium vanadate batteries with enhanced performance from simultaneous insertion of dual carriers. Nature Communications, 2018, 9, 1656.	5.8	1,162
198	Room-temperature rechargeable Naâ€“SO₂ batteries containing a gel-polymer electrolyte. Chemical Communications, 2018, 54, 5315-5318.	2.2	9

#	Article	IF	Citations
199	The structureâ€“electrochemical property relationship of quinone electrodes for lithium-ion batteries. Physical Chemistry Chemical Physics, 2018, 20, 13478-13484.	1.3	59
200	Flexible ultrathin all-solid-state supercapacitors. Rare Metals, 2018, 37, 536-542.	3.6	22
201	Defect electrocatalytic mechanism: concept, topological structure and perspective. Materials Chemistry Frontiers, 2018, 2, 1250-1268.	3.2	119
202	Nafion/Titanium Dioxideâ€Coated Lithium Anode for Stable Lithiumâ€“Sulfur Batteries. Chemistry - an Asian Journal, 2018, 13, 1379-1385.	1.7	34
203	Synergism induced exceptional capacity and complete reversibility in Mgâ€“Y thin films: enabling next generation metal hydride electrodes. Energy and Environmental Science, 2018, 11, 1563-1570.	15.6	15
204	Porphyrinâ€Based Symmetric Redoxâ€Flow Batteries towards Coldâ€Climate Energy Storage. Angewandte Chemie, 2018, 130, 3212-3216.	1.6	32
205	Facile preparation of NH₂-functionalized black phosphorene for the electrocatalytic hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 2494-2499.	5.2	149
206	Transition-Metal-Triggered High-Efficiency Lithium Ion Storage via Coordination Interactions with Redox-Active Croconate in One-Dimensional Metalâ€“Organic Anode Materials. ACS Applied Materials & Interfaces, 2018, 10, 6398-6406.	4.0	42
207	Grapheneâ€Based Nanomaterials for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702469.	10.2	170
208	In situ atomic force microscopy study of nanoâ€“micro sodium deposition in ester-based electrolytes. Chemical Communications, 2018, 54, 2381-2384.	2.2	104
209	Achieving a stable Na metal anode with a 3D carbon fibre scaffold. Inorganic Chemistry Frontiers, 2018, 5, 864-869.	3.0	40
210	Dual-Functional Graphene Carbon as Polysulfide Trapper for High-Performance Lithium Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 5594-5602.	4.0	83
211	Porphyrinâ€Based Symmetric Redoxâ€Flow Batteries towards Coldâ€Climate Energy Storage. Angewandte Chemie - International Edition, 2018, 57, 3158-3162.	7.2	96
212	All-solid-state supercapacitors with superior compressive strength and volumetric capacitance. Energy Storage Materials, 2018, 13, 119-126.	9.5	21
213	Flexible supercapacitors based on carbon nanotubes. Chinese Chemical Letters, 2018, 29, 571-581.	4.8	88
214	Rechargeable aqueous zincâ€“iodine batteries: pore confining mechanism and flexible device application. Chemical Communications, 2018, 54, 6792-6795.	2.2	116
215	High-Performance Aqueous Sodium-Ion Batteries with Hydrogel Electrolyte and Alloxazine/CMK-3 Anode. ACS Sustainable Chemistry and Engineering, 2018, 6, 7761-7768.	3.2	41
216	KTiOPO4 as a novel anode material for sodium-ion batteries. Journal of Alloys and Compounds, 2018, 754, 147-152.	2.8	8

#	Article	IF	Citations
217	High-performance rechargeable aqueous Zn-ion batteries with a poly(benzoquinonyl sulfide) cathode. Inorganic Chemistry Frontiers, 2018, 5, 1391-1396.	3.0	173
218	Turning optical switching properties of Mg-Y films in electrochemical process by tailoring composition. Materials Research Express, 2018, 5, 036419.	0.8	1
219	High-performance of sodium carboxylate-derived materials for electrochemical energy storage. Science China Materials, 2018, 61, 707-718.	3.5	25
220	A review of transition-metal boride/phosphide-based materials for catalytic hydrogen generation from hydrolysis of boron-hydrides. Inorganic Chemistry Frontiers, 2018, 5, 760-772.	3.0	103
221	Rapid low-temperature synthesis of perovskite/carbon nanocomposites as superior electrocatalysts for oxygen reduction in Zn-air batteries. Nano Research, 2018, 11, 3282-3293.	5.8	44
222	Metal-oxygen bonds: Stabilizing the intermediate species towards practical Li-air batteries. Electrochimica Acta, 2018, 259, 313-320.	2.6	12
223	Graphene-based materials for flexible energy storage devices. Journal of Energy Chemistry, 2018, 27, 12-24.	7.1	129
224	Sulfur nanoparticles encapsulated in reduced graphene oxide nanotubes for flexible lithium-sulfur batteries. Nano Research, 2018, 11, 1345-1357.	5.8	79
225	Plasma-processed homogeneous magnesium hydride/carbon nanocomposites for highly stable lithium storage. Nano Research, 2018, 11, 2724-2732.	5.8	8
226	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithiumâ€ion Batteries. Advanced Energy Materials, 2018, 8, 1701415.	10.2	436
227	In situ synthesis of Bi nanoflakes on Ni foam for sodium-ion batteries. Chemical Communications, 2018, 54, 38-41.	2.2	89
228	A Flexible All-in-One Lithium-Sulfur Battery. ACS Nano, 2018, 12, 12503-12511.	7.3	95
229	Electrolyte and Interface Engineering for Solid-State Sodium Batteries. Joule, 2018, 2, 1747-1770.	11.7	346
230	Flexible and Tailorable Naâ^'CO₂ Batteries Based on an Allâ€Solidâ€State Polymer Electrolyte. ChemElectroChem, 2018, 5, 3628-3632.	1.7	42
231	Design Strategies toward Enhancing the Performance of Organic Electrode Materials in Metal-Ion Batteries. CheM, 2018, 4, 2786-2813.	5.8	517
232	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. Nano Energy, 2018, 54, 360-366.	8.2	82
233	An Alternative to Lithium Metal Anodes: Nonâ€dendritic and Highly Reversible Sodium Metal Anodes for Liâ€"Na Hybrid Batteries. Angewandte Chemie - International Edition, 2018, 57, 14796-14800.	7.2	102
234	An Aqueous Rechargeable Zincâ€Organic Battery with Hybrid Mechanism. Advanced Functional Materials, 2018, 28, 1804975.	7.8	462

#	Article	IF	Citations
235	All Carbon Dual Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 35978-35983.	4.0	93
236	Enhanced Electrochemical Kinetics and Polysulfide Traps of Indium Nitride for Highly Stable Lithiumâ€“Sulfur Batteries. ACS Nano, 2018, 12, 9578-9586.	7.3	217
237	An Alternative to Lithium Metal Anodes: Nonâ€dendritic and Highly Reversible Sodium Metal Anodes for Liâ€“Na Hybrid Batteries. Angewandte Chemie, 2018, 130, 15012-15016.	1.6	14
238	Sodium-Ion Hybrid Capacitor of High Power and Energy Density. ACS Central Science, 2018, 4, 1261-1265.	5.3	79
239	Intercalation pseudocapacitance in flexible and self-standing V2O3 porous nanofibers for high-rate and ultra-stable K ion storage. Nano Energy, 2018, 50, 462-467.	8.2	177
240	Improved Dehydrogenation Performance of Li-B-N-H by Doped NiO. Metals, 2018, 8, 258.	1.0	3
241	Patterning Islandlike MnO₂ Arrays by Breath-Figure Templates for Flexible Transparent Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 27001-27008.	4.0	60
242	A novel PMA/PEG-based composite polymer electrolyte for all-solid-state sodium ion batteries. Nano Research, 2018, 11, 6244-6251.	5.8	54
243	Spent alkaline battery-derived manganese oxides as efficient oxygen electrocatalysts for Znâ€“air batteries. Inorganic Chemistry Frontiers, 2018, 5, 2167-2173.	3.0	29
244	An Allâ€Freezeâ€Casting Strategy to Design Typographical Supercapacitors with Integrated Architectures. Small, 2018, 14, e1800280.	5.2	21
245	Enhancing the Lithium Storage Capacities of Coordination Compounds for Advanced Lithium-Ion Battery Anodes via a Coordination Chemistry Approach. Inorganic Chemistry, 2018, 57, 10640-10648.	1.9	20
246	A Microporous Covalentâ€“Organic Framework with Abundant Accessible Carbonyl Groups for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 9443-9446.	7.2	431
247	A Microporous Covalentâ€“Organic Framework with Abundant Accessible Carbonyl Groups for Lithiumâ€Ion Batteries. Angewandte Chemie, 2018, 130, 9587-9590.	1.6	38
248	Core-shell structured 1,4-benzoquinone@TiO2 cathode for lithium batteries. Journal of Energy Chemistry, 2018, 27, 1644-1650.	7.1	22
249	Molecular Electrostatic Potential: A New Tool to Predict the Lithiation Process of Organic Battery Materials. Journal of Physical Chemistry Letters, 2018, 9, 3573-3579.	2.1	131
250	Superhydrophilic amorphous Coâ€“Bâ€“P nanosheet electrocatalysts with Pt-like activity and durability for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 22062-22069.	5.2	156
251	Anion insertion enhanced electrodeposition of robust metal hydroxide/oxide electrodes for oxygen evolution. Nature Communications, 2018, 9, 2373.	5.8	336
252	Rechargeable Na-CO ₂ Batteries Starting from Cathode of Na ₂ CO ₃ and Carbon Nanotubes. Research, 2018, 2018, 6914626.	2.8	32

#	Article	IF	Citations
253	Introducing ion-transport-regulating nanochannels to lithium-sulfur batteries. Nano Energy, 2017, 33, 205-212.	8.2	54
254	High K-storage performance based on the synergy of dipotassium terephthalate and ether-based electrolytes. Energy and Environmental Science, 2017, 10, 552-557.	15.6	391
255	Ultrasmall cobalt nanoparticles supported on nitrogen-doped porous carbon nanowires for hydrogen evolution from ammonia borane. Materials Horizons, 2017, 4, 268-273.	6.4	105
256	Flexible wire-shaped lithium-sulfur batteries with fibrous cathodes assembled via capillary action. Nano Energy, 2017, 33, 325-333.	8.2	62
257	MCNTs@MnO₂ Nanocomposite Cathode Integrated with Soluble O₂-Carrier Co-salen in Electrolyte for High-Performance Liâ€“Air Batteries. Nano Letters, 2017, 17, 2073-2078.	4.5	80
258	MnOOH nanorods as high-performance anodes for sodium ion batteries. Chemical Communications, 2017, 53, 2435-2438.	2.2	40
259	Quasiâ€“solid state rechargeable Na-CO ₂ batteries with reduced graphene oxide Na anodes. Science Advances, 2017, 3, e1602396.	4.7	193
260	Design and integration of flexible planar micro-supercapacitors. Nano Research, 2017, 10, 1524-1544.	5.8	67
261	Flexible Liâ€CO₂ Batteries with Liquidâ€Free Electrolyte. Angewandte Chemie, 2017, 129, 5879-5883.	1.6	29
262	Flexible Liâ€CO₂ Batteries with Liquidâ€Free Electrolyte. Angewandte Chemie - International Edition, 2017, 56, 5785-5789.	7.2	156
263	Freestanding carbon fiber cloth/sulfur composites for flexible room-temperature sodium-sulfur batteries. Energy Storage Materials, 2017, 8, 77-84.	9.5	175
264	Foldable All-Solid-State Supercapacitors Integrated with Photodetectors. Advanced Functional Materials, 2017, 27, 1604639.	7.8	83
265	A 3D hierarchical porous Co₃O₄ nanotube network as an efficient cathode for rechargeable lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 14673-14681.	5.2	50
266	Flexible and Free-Standing Organic/Carbon Nanotubes Hybrid Films as Cathode for Rechargeable Lithium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 14498-14506.	1.5	52
267	Enhanced adsorption of carbonyl molecules on graphene via Ï€-Li-Ï€ interaction: a first-principle study. Science China Materials, 2017, 60, 674-680.	3.5	12
268	High-Capacity and Ultrafast Na-Ion Storage of a Self-Supported 3D Porous Antimony Persulfideâ€“Graphene Foam Architecture. Nano Letters, 2017, 17, 3668-3674.	4.5	129
269	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. Nano Energy, 2017, 35, 281-289.	8.2	247
270	Molecular Engineering with Organic Carbonyl Electrode Materials for Advanced Stationary and Redox Flow Rechargeable Batteries. Advanced Materials, 2017, 29, 1607007.	11.1	247

#	Article	IF	Citations
271	Edge Engineering of <scp>MoS₂</scp> Nanoribbons as High Performance Electrode Material for Naâ€ion Battery: A Firstâ€Principle Study. Chinese Journal of Chemistry, 2017, 35, 896-902.	2.6	13
272	Size-controlled MoS2 nanodots supported on reduced graphene oxide for hydrogen evolution reaction and sodium-ion batteries. Nano Research, 2017, 10, 2210-2222.	5.8	50
273	Mechanistic Evolution of Aprotic Lithiumâ€Oxygen Batteries. Advanced Energy Materials, 2017, 7, 1602934.	10.2	130
274	Amorphous Zr(OH) 4 coated LiNi 0.915 Co 0.075 Al 0.01 O 2 cathode material with enhanced electrochemical performance for lithium ion batteries. Journal of Energy Chemistry, 2017, 26, 481-487.	7.1	38
275	High Anode Performance of in Situ Formed Cu₂Sb Nanoparticles Integrated on Cu Foil via Replacement Reaction for Sodium-Ion Batteries. ACS Energy Letters, 2017, 2, 256-262.	8.8	111
276	Stable layered Ni-rich LiNi_{0.9}Co_{0.07}Al_{0.03}O₂ microspheres assembled with nanoparticles as high-performance cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 2724-2731.	5.2	165
277	Advanced Organic Electrode Materials for Rechargeable Sodiumâ€ion Batteries. Advanced Energy Materials, 2017, 7, 1601792.	10.2	438
278	Selenium Phosphide (Se₄P₄) as a New and Promising Anode Material for Sodiumâ€ion Batteries. Advanced Energy Materials, 2017, 7, 1601973.	10.2	122
279	Preparation and characterization of LiNi 0.8 Co 0.15 Al 0.05 O 2 with high cycling stability by using AlO 2 - as Al source. Ceramics International, 2017, 43, 3885-3892.	2.3	19
280	Highly stretchable integrated system for micro-supercapacitor with AC line filtering and UV detector. Nano Energy, 2017, 42, 187-194.	8.2	85
281	CoS Quantum Dot Nanoclusters for Highâ€Energy Potassiumâ€ion Batteries. Advanced Functional Materials, 2017, 27, 1702634.	7.8	391
282	Phosphorusâ€Based Materials as the Anode for Sodiumâ€ion Batteries. Small Methods, 2017, 1, 1700216.	4.6	98
283	Porous Multishelled Ni₂P Hollow Microspheres as an Active Electrocatalyst for Hydrogen and Oxygen Evolution. Chemistry of Materials, 2017, 29, 8539-8547.	3.2	279
284	Rechargeable aqueous zinc-manganese dioxide batteries with high energy and power densities. Nature Communications, 2017, 8, 405.	5.8	1,224
285	Stretchable Lithiumâ€ion Batteries Enabled by Deviceâ€Scaled Wavy Structure and Elasticâ€Sticky Separator. Advanced Energy Materials, 2017, 7, 1701076.	10.2	158
286	Bulk Bismuth as a Highâ€Capacity and Ultralong Cycleâ€Life Anode for Sodiumâ€ion Batteries by Coupling with Glymeâ€Based Electrolytes. Advanced Materials, 2017, 29, 1702212.	11.1	343
287	Naâ€“CO batteries: devices to trap CO. Chemical Communications, 2017, 53, 9312-9315.	2.2	8
288	An Insoluble Benzoquinoneâ€Based Organic Cathode for Use in Rechargeable Lithiumâ€ion Batteries. Angewandte Chemie, 2017, 129, 12735-12739.	1.6	36

#	Article	IF	Citations
289	Spinels: Controlled Preparation, Oxygen Reduction/Evolution Reaction Application, and Beyond. Chemical Reviews, 2017, 117, 10121-10211.	23.0	1,157
290	In Situ Atomic Force Microscopic Studies of Single Tin Nanoparticle: Sodiation and Desodiation in Liquid Electrolyte. ACS Applied Materials & Interfaces, 2017, 9, 28620-28626.	4.0	26
291	Spinel cobaltâ€“manganese oxide supported on non-oxidized carbon nanotubes as a highly efficient oxygen reduction/evolution electrocatalyst. Inorganic Chemistry Frontiers, 2017, 4, 1628-1633.	3.0	37
292	A Consecutive Spray Printing Strategy to Construct and Integrate Diverse Supercapacitors on Various Substrates. ACS Applied Materials & Interfaces, 2017, 9, 28612-28619.	4.0	41
293	An Insoluble Benzoquinoneâ€Based Organic Cathode for Use in Rechargeable Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2017, 56, 12561-12565.	7.2	177
294	Robust self-supported anode by integrating Sb2S3 nanoparticles with S,N-codoped graphene to enhance K-storage performance. Science China Chemistry, 2017, 60, 1533-1539.	4.2	102
295	Electrospun Thin-Walled CuCo₂O₄@C Nanotubes as Bifunctional Oxygen Electrocatalysts for Rechargeable Znâ€“Air Batteries. Nano Letters, 2017, 17, 7989-7994.	4.5	199
296	Enhanced Conductivity and Structure Stability of Ti⁴⁺ Doped Li₃VO₄ as Anodes for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 26196-26201.	1.5	43
297	Stable Na plating/stripping electrochemistry realized by a 3D Cu current collector with thin nanowires. Chemical Communications, 2017, 53, 12910-12913.	2.2	97
298	High-strength graphene composite films by molecular level couplings for flexible supercapacitors with high volumetric capacitance. Journal of Materials Chemistry A, 2017, 5, 15008-15016.	5.2	44
299	Nanostructured organic electrode materials grown on graphene with covalent-bond interaction for high-rate and ultra-long-life lithium-ion batteries. Nano Research, 2017, 10, 4245-4255.	5.8	52
300	Synthesis of size-controlled CoMn2O4 quantum dots supported on carbon nanotubes for electrocatalytic oxygen reduction/evolution. Nano Research, 2017, 10, 3836-3847.	5.8	53
301	Tetra-Î²-nitro-substituted phthalocyanines: a new organic electrode material for lithium batteries. Journal of Solid State Electrochemistry, 2017, 21, 947-954.	1.2	17
302	Largeâ€Area Carbon Nanosheets Doped with Phosphorus: A Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Science, 2017, 4, 1600243.	5.6	450
303	Special topic on electrochemical power sources. Science China Chemistry, 2017, 60, 1481-1482.	4.2	5
304	Controllable Preparation and Electrochemical Performance of Self-assembled Microspheres of <i>Î±</i>-MnO₂ Nanotubes. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 1421-1428.	2.2	3
305	Advance and Prospect of Functional Materials for Sodium Ion Batteries. Acta Chimica Sinica, 2017, 75, 154.	0.5	11
306	Resumption of the Discharged Li-AgVO3 Primary Batteries for Rechargeable Li-O2 Batteries. Acta Chimica Sinica, 2017, 75, 199.	0.5	8

#	Article	IF	Citations
307	Quinones as Electrode Materials for Rechargeable Lithium Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 1593-1603.	2.2	8
308	<i>In-situ</i> Preparation of Na₂Ti₃O₇ Nanosheets as High-Performance Anodes for Sodium Ion Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 349-355.	2.2	7
309	Nanofibrous Co₃O₄/PPy Hybrid with Synergistic Effect as Bifunctional Catalyst for Lithiumâ€Oxygen Batteries. Advanced Materials Interfaces, 2016, 3, 1600030.	1.9	33
310	A Sulfur Heterocyclic Quinone Cathode and a Multifunctional Binder for a Highâ€Performance Rechargeable Lithiumâ€Ion Battery. Angewandte Chemie - International Edition, 2016, 55, 6428-6432.	7.2	183
311	A Sulfur Heterocyclic Quinone Cathode and a Multifunctional Binder for a Highâ€Performance Rechargeable Lithiumâ€Ion Battery. Angewandte Chemie, 2016, 128, 6538-6542.	1.6	29
312	Rechargeable Roomâ€Temperature Naâ€“CO₂ Batteries. Angewandte Chemie, 2016, 128, 6592-6596.	1.6	43
313	Cadmium(II)â€“Triazole Framework as a Luminescent Probe for Ca²⁺ and Cyano Complexes. Chemistry - A European Journal, 2016, 22, 10459-10474.	1.7	75
314	Elucidating dz2 orbital selective catalytic activity in brownmillerite Ca2Mn2O5. AIP Advances, 2016, 6, 095210.	0.6	6
315	A solid lithium superionic conductor Li₁₁AlP₂S₁₂ with a thio-LISICON analogous structure. Chemical Communications, 2016, 52, 6091-6094.	2.2	74
316	Electrochemical properties of carbonyl substituted phthalocyanines as electrode materials for lithium-ion batteries. RSC Advances, 2016, 6, 52850-52853.	1.7	21
317	Facile Spraying Synthesis and Highâ€Performance Sodium Storage of Mesoporous MoS₂/C Microspheres. Advanced Functional Materials, 2016, 26, 911-918.	7.8	189
318	MnFe₂O₄@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. Nano Letters, 2016, 16, 3321-3328.	4.5	348
319	A Co₃O₄@MnO₂/Ni nanocomposite as a carbon- and binder-free cathode for rechargeable Liâ€“O₂ batteries. Inorganic Chemistry Frontiers, 2016, 3, 866-871.	3.0	58
320	A Coordination Chemistry Approach for Lithium-Ion Batteries: The Coexistence of Metal and Ligand Redox Activities in a One-Dimensional Metalâ€“Organic Material. Inorganic Chemistry, 2016, 55, 4935-4940.	1.9	75
321	Rechargeable Lithium Batteries with Electrodes of Small Organic Carbonyl Salts and Advanced Electrolytes. Industrial & Engineering Chemistry Research, 2016, 55, 5795-5804.	1.8	91
322	Oxocarbon Salts for Fast Rechargeable Batteries. Angewandte Chemie - International Edition, 2016, 55, 12528-12532.	7.2	238
323	LiAlH₄supported on TiO₂/hierarchically porous carbon nanocomposites with enhanced hydrogen storage properties. Inorganic Chemistry Frontiers, 2016, 3, 1536-1542.	3.0	29
324	Ultrasmall SnS nanoparticles embedded in carbon spheres: a high-performance anode material for sodium ion batteries. RSC Advances, 2016, 6, 95805-95811.	1.7	27

#	Article	IF	Citations
325	Stirring-assisted hydrothermal synthesis of ultralong Î±-MnO₂nanowires for oxygen reduction reaction. Inorganic Chemistry Frontiers, 2016, 3, 928-933.	3.0	28
326	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vaporâ€Redistribution for Highâ€Energy Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1601037.	10.2	198
327	Urchinâ€Like CoSe₂ as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 6728-6735.	7.8	471
328	Sizeâ€Tunable Oliveâ€Like Anatase TiO₂ Coated with Carbon as Superior Anode for Sodiumâ€Ion Batteries. Small, 2016, 12, 5554-5563.	5.2	76
329	Cobaltâ€Doped FeS₂ Nanospheres with Complete Solid Solubility as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 12822-12826.	7.2	394
330	Cation-Deficient Spinel ZnMn₂O₄ Cathode in Zn(CF₃SO₃)₂ Electrolyte for Rechargeable Aqueous Zn-Ion Battery. Journal of the American Chemical Society, 2016, 138, 12894-12901.	6.6	1,451
331	Cobaltâ€Doped FeS₂ Nanospheres with Complete Solid Solubility as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Angewandte Chemie, 2016, 128, 13014-13018.	1.6	268
332	A Flexible Nanostructured Paper of a Reduced Graphene Oxideâ€“Sulfur Composite for Highâ€Performance Lithiumâ€“Sulfur Batteries with Unconventional Configurations. Advanced Materials, 2016, 28, 9629-9636.	11.1	308
333	Defect Graphene as a Trifunctional Catalyst for Electrochemical Reactions. Advanced Materials, 2016, 28, 9532-9538.	11.1	961
334	Oxocarbon Salts for Fast Rechargeable Batteries. Angewandte Chemie, 2016, 128, 12716-12720.	1.6	53
335	Layered Na₂Ti₃O₇/MgNaTi₃O₇/Mg_{0.5}NaTi₃O₇ Nanoribbons as High-Performance Anode of Rechargeable Mg-Ion Batteries. ACS Energy Letters, 2016, 1, 1165-1172.	8.8	64
336	SiO₂-coated LiNi_{0.915}Co_{0.075}Al_{0.01}O₂cathode material for rechargeable Li-ion batteries. Nanoscale, 2016, 8, 19263-19269.	2.8	108
337	Rechargeable Roomâ€Temperature Naâ€“CO₂ Batteries. Angewandte Chemie - International Edition, 2016, 55, 6482-6486.	7.2	202
338	Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations. Chemical Society Reviews, 2016, 45, 4340-4363.	18.7	480
339	Reaction Mechanism of Ethanol on Model Cobalt Catalysts: DFT Calculations. Journal of Physical Chemistry C, 2016, 120, 14198-14208.	1.5	19
340	MoS₂ with an intercalation reaction as a long-life anode material for lithium ion batteries. Inorganic Chemistry Frontiers, 2016, 3, 532-535.	3.0	70
341	Na-X zeolite templated and sulfur-impregnated porous carbon as the cathode for a high-performance Liâ€“S battery. RSC Advances, 2016, 6, 9117-9123.	1.7	10
342	Facile synthesis and electrochemical sodium storage of CoS2 micro/nano-structures. Nano Research, 2016, 9, 198-206.	5.8	142

#	Article	IF	Citations
343	Carboxyl-conjugated phthalocyanines used as novel electrode materials with high specific capacity for lithium-ion batteries. Journal of Solid State Electrochemistry, 2016, 20, 1285-1294.	1.2	35
344	A Core-Shell Si@NiSi2/Ni/C Nanocomposite as an Anode Material for Lithium-ion Batteries. Electrochimica Acta, 2016, 192, 303-309.	2.6	36
345	Superior high-rate capability of Na₃(VO_{0.5})₂(PO₄)₂F₂ nanoparticles embedded in porous graphene through the pseudocapacitive effect. Chemical Communications, 2016, 52, 3653-3656.	2.2	91
346	Multi-functional electrospun nanofibres for advances in tissue regeneration, energy conversion & storage, and water treatment. Chemical Society Reviews, 2016, 45, 1225-1241.	18.7	325
347	Cobalt nanoparticles embedded in porous N-doped carbon as long-life catalysts for hydrolysis of ammonia borane. Catalysis Science and Technology, 2016, 6, 3443-3448.	2.1	102
348	Template-free synthesis of porous graphitic carbon nitride/carbon composite spheres for electrocatalytic oxygen reduction reaction. Chemical Communications, 2016, 52, 1725-1728.	2.2	93
349	Polypyrrole-coated hierarchical porous composites nanoarchitectures for advanced solid-state flexible hybrid devices. Nano Energy, 2016, 19, 307-317.	8.2	30
350	Nanocomposite of Fe₂O₃@C@MnO₂as an Efficient Cathode Catalyst for Rechargeable Lithiumâ^'Oxygen Batteries. Small, 2015, 11, 5545-5550.	5.2	57
351	WS₂ Nanowires as a Highâ€Performance Anode for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2015, 21, 11878-11884.	1.7	167
352	Recent Advances and Prospects of Cathode Materials for Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 5343-5364.	11.1	915
353	Highly Compressible and Allâ€Solidâ€State Supercapacitors Based on Nanostructured Composite Sponge. Advanced Materials, 2015, 27, 6002-6008.	11.1	217
354	Tin Nanodots Encapsulated in Porous Nitrogenâ€Doped Carbon Nanofibers as a Freeâ€Standing Anode for Advanced Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 6702-6707.	11.1	534
355	Kinetics of Iodine-Free Redox Shuttles in Dye-Sensitized Solar Cells: Interfacial Recombination and Dye Regeneration. Accounts of Chemical Research, 2015, 48, 1541-1550.	7.6	98
356	Rapid Synthesis and Efficient Electrocatalytic Oxygen Reduction/Evolution Reaction of CoMn₂O₄ Nanodots Supported on Graphene. Inorganic Chemistry, 2015, 54, 5467-5474.	1.9	117
357	Phase and composition controllable synthesis of cobalt manganese spinel nanoparticles towards efficient oxygen electrocatalysis. Nature Communications, 2015, 6, 7345.	5.8	500
358	Highly stable and ultrafast electrode reaction of graphite for sodium ion batteries. Journal of Power Sources, 2015, 293, 626-634.	4.0	245
359	High-performance sodium batteries with the 9,10-anthraquinone/CMK-3 cathode and an ether-based electrolyte. Chemical Communications, 2015, 51, 10244-10247.	2.2	117
360	FeS₂ microspheres with an ether-based electrolyte for high-performance rechargeable lithium batteries. Journal of Materials Chemistry A, 2015, 3, 12898-12904.	5.2	111

#	Article	IF	Citations
361	Snâ€“Al coreâ€“shell nanocomposite as thin film anode for lithium-ion batteries. Journal of Alloys and Compounds, 2015, 644, 742-749.	2.8	17
362	A soil/Vulcan XC-72 hybrid as a highly-effective catalytic cathode for rechargeable Liâ€“O2batteries. Inorganic Chemistry Frontiers, 2015, 2, 1006-1010.	3.0	9
363	Ultrasmall Sn Nanoparticles Embedded in Carbon as Highâ€Performance Anode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2015, 25, 214-220.	7.8	498
364	Sulfur Nanodots Electrodeposited on Ni Foam as High-Performance Cathode for Liâ€“S Batteries. Nano Letters, 2015, 15, 721-726.	4.5	175
365	Recycling Application of Liâ€“MnO₂ Batteries as Rechargeable Lithiumâ€“Air Batteries. Angewandte Chemie - International Edition, 2015, 54, 4338-4343.	7.2	109
366	A Potential Regularity for Enhancing the Hydrogenation Properties of Ni₂P. Journal of Physical Chemistry C, 2015, 119, 2557-2565.	1.5	20
367	Pyrite FeS₂for high-rate and long-life rechargeable sodium batteries. Energy and Environmental Science, 2015, 8, 1309-1316.	15.6	628
368	Fabrication of Spinel One-Dimensional Architectures by Single-Spinneret Electrospinning for Energy Storage Applications. ACS Nano, 2015, 9, 1945-1954.	7.3	349
369	The anion effect on the oxygen reduction of MnX (X = O, S, and Se) catalysts. Journal of Materials Chemistry A, 2015, 3, 3425-3431.	5.2	34
370	Porous perovskite calciumâ€“manganese oxide microspheres as an efficient catalyst for rechargeable sodiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2015, 3, 3320-3324.	5.2	86
371	Chemical etching of manganese oxides for electrocatalytic oxygen reduction reaction. Chemical Communications, 2015, 51, 11599-11602.	2.2	71
372	Rechargeable Lithium-Iodine Batteries with Iodine/Nanoporous Carbon Cathode. Nano Letters, 2015, 15, 5982-5987.	4.5	201
373	3D Cu-doped CoS porous nanosheet films as superior counterelectrodes for quantum dot-sensitized solar cells. Nano Energy, 2015, 16, 163-172.	8.2	42
374	Micro-nano structured Ni-MOFs as high-performance cathode catalyst for rechargeable Liâ€“O₂ batteries. Nanoscale, 2015, 7, 11833-11840.	2.8	69
375	Controlled synthesis of porous spinel cobaltite core-shell microspheres as high-performance catalysts for rechargeable Liâ€“O2 batteries. Nano Energy, 2015, 13, 718-726.	8.2	48
376	FeSe₂ Microspheres as a Highâ€Performance Anode Material for Naâ€Ion Batteries. Advanced Materials, 2015, 27, 3305-3309.	11.1	581
377	Highâ€Performance Organic Lithium Batteries with an Etherâ€Based Electrolyte and 9,10â€Anthraquinone (AQ)/CMKâ€3 Cathode. Advanced Science, 2015, 2, 1500018.	5.6	155
378	CuCo nanoparticles supported on hierarchically porous carbon as catalysts for hydrolysis of ammonia borane. Journal of Alloys and Compounds, 2015, 651, 382-388.	2.8	75

#	Article	IF	Citations
379	Phosphorus Nanoparticles Encapsulated in Graphene Scrolls as a Highâ€Performance Anode for Sodiumâ€Ion Batteries. ChemElectroChem, 2015, 2, 1652-1655.	1.7	75
380	Reviewâ€"Advanced Carbon-Supported Organic Electrode Materials for Lithium (Sodium)-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A2393-A2405.	1.3	114
381	The enhanced hydrogen storage of micro-nanostructured hybrids of Mg(BH₄)₂â€"carbon nanotubes. Nanoscale, 2015, 7, 18305-18311.	2.8	30
382	One-Dimensional Rod-Like Sb₂S₃-Based Anode for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 19362-19369.	4.0	218
383	Spherical nano-Sb@C composite as a high-rate and ultra-stable anode material for sodium-ion batteries. Nano Research, 2015, 8, 3384-3393.	5.8	165
384	Soil as an inexhaustible and high-performance anode material for Li-ion batteries. Chemical Communications, 2015, 51, 15827-15830.	2.2	6
385	Micro-nanostructured CuO/C spheres as high-performance anode materials for Na-ion batteries. Nanoscale, 2015, 7, 2770-2776.	2.8	118
386	The disodium salt of 2,5-dihydroxy-1,4-benzoquinone as anode material for rechargeable sodium ion batteries. Chemical Communications, 2015, 51, 1446-1448.	2.2	91
387	Ice-templated preparation and sodium storage of ultrasmall SnO2 nanoparticles embedded in three-dimensional graphene. Nano Research, 2015, 8, 184-192.	5.8	68
388	Mechanistic investigation of ion migration in Na₃V₂(PO₄)₂F₃ hybrid-ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 159-165.	1.3	62
389	Double shelled hollow SnO₂/polymer microsphere as a high-capacity anode material for superior reversible lithium ion storage. Journal of Materials Chemistry A, 2015, 3, 1068-1076.	5.2	54
390	3D Porous Î³â€Fe₂O₃@C Nanocomposite as Highâ€Performance Anode Material of Naâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1401123.	10.2	320
391	Uniform MnO2 nanostructures supported on hierarchically porous carbon as efficient electrocatalysts for rechargeable Li-O2 batteries. Nano Research, 2015, 8, 156-164.	5.8	65
392	Efficiently Enhancing Oxygen Reduction Electrocatalytic Activity of MnO₂ Using Facile Hydrogenation. Advanced Energy Materials, 2015, 5, 1400654.	10.2	78
393	Nanostructured Mn-based oxides for electrochemical energy storage and conversion. Chemical Society Reviews, 2015, 44, 699-728.	18.7	740
394	Oxygen Bubble-Templated Hierarchical Porous Îµ-MnO₂as a Superior Catalyst for Rechargeable Li-O₂Batteries. Small, 2015, 11, 809-813.	5.2	90
395	MoS₂ Nanoflowers with Expanded Interlayers as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. Angewandte Chemie, 2014, 126, 13008-13012.	1.6	310
396	Inorganic & organic materials for rechargeable Li batteries with multi-electron reaction. Science China Materials, 2014, 57, 42-58.	3.5	78

#	Article	IF	Citations
397	Potassiumâ€“Sulfur Batteries: A New Member of Room-Temperature Rechargeable Metalâ€“Sulfur Batteries. Inorganic Chemistry, 2014, 53, 9000-9005.	1.9	163
398	Magnesiumâ€“air batteries: from principle to application. Materials Horizons, 2014, 1, 196-206.	6.4	371
399	Îµ-MnO2 nanostructures directly grown on Ni foam: a cathode catalyst for rechargeable Liâ€“O2 batteries. Nanoscale, 2014, 6, 3522.	2.8	112
400	Ultrasmall Sn Nanoparticles Embedded in Nitrogen-Doped Porous Carbon As High-Performance Anode for Lithium-Ion Batteries. Nano Letters, 2014, 14, 153-157.	4.5	538
401	Porous CuO nanowires as the anode of rechargeable Na-ion batteries. Nano Research, 2014, 7, 199-208.	5.8	233
402	Li_{2â^'x}Fe_{1â^'x}Al_xSiO₄/C Nanocomposites Cathodes for Lithiumâ€Ion Batteries. Energy Technology, 2014, 2, 355-361.	1.8	11
403	Size effect of lithium peroxide on charging performance of Liâ€“O₂batteries. Nanoscale, 2014, 6, 177-180.	2.8	80
404	Porous perovskite CaMnO3as an electrocatalyst for rechargeable Liâ€“O2batteries. Chemical Communications, 2014, 50, 1497-1499.	2.2	140
405	MoS₂ Nanoflowers with Expanded Interlayers as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2014, 53, 12794-12798.	7.2	670
406	Investigation of the Sodium Ion Pathway and Cathode Behavior in Na₃V₂(PO₄)₂F₃ Combined via a First Principles Calculation. Langmuir, 2014, 30, 12438-12446.	1.6	104
407	All-Solid-State Lithium Organic Battery with Composite Polymer Electrolyte and Pillar[5]quinone Cathode. Journal of the American Chemical Society, 2014, 136, 16461-16464.	6.6	375
408	A graphene-like MoS₂/graphene nanocomposite as a highperformance anode for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 13109-13115.	5.2	238
409	A study into the extracted ion number for NASICON structured Na₃V₂(PO₄)₃ in sodium-ion batteries. Physical Chemistry Chemical Physics, 2014, 16, 17681-17687.	1.3	106
410	Pitaya-like Sn@C nanocomposites as high-rate and long-life anode for lithium-ion batteries. Nanoscale, 2014, 6, 2827-2832.	2.8	133
411	Porous 0.2Li₂MnO₃Â·0.8LiNi_{0.5}Mn_{0.5}O₂nanorods as cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 1636-1640.	5.2	71
412	Magnetic Ni and Ni/Pt hollow nanospheres and their catalytic activities for hydrolysis of ammonia borane. Journal of Materials Chemistry A, 2014, 2, 18171-18176.	5.2	35
413	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. Angewandte Chemie - International Edition, 2014, 53, 12594-12599.	7.2	252
414	Na₃V₂(PO₄)₃@C coreâ€“shell nanocomposites for rechargeable sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 8668-8675.	5.2	348

#	Article	IF	Citations
415	First exploration of Na-ion migration pathways in the NASICON structure Na3V2(PO4)3. Journal of Materials Chemistry A, 2014, 2, 5358.	5.2	222
416	2,2â€²-Bis(3-hydroxy-1,4-naphthoquinone)/CMK-3 nanocomposite as cathode material for lithium-ion batteries. Inorganic Chemistry Frontiers, 2014, 1, 193-199.	3.0	79
417	Polypyrrole-cobalt-carbon nanocomposites as efficient counter electrode materials for dye-sensitized solar cells. Science China Chemistry, 2014, 57, 1559-1563.	4.2	7
418	Nonstoichiometric Perovskite CaMnO_{3â^Î´} for Oxygen Electrocatalysis with High Activity. Inorganic Chemistry, 2014, 53, 9106-9114.	1.9	202
419	Ti/Si/Ti sandwich-like thin film as the anode of lithium-ion batteries. Journal of Power Sources, 2014, 248, 1141-1148.	4.0	55
420	Carbon-supported Ni3B nanoparticles as catalysts for hydrogen generation from hydrolysis of ammonia borane. International Journal of Hydrogen Energy, 2014, 39, 6987-6994.	3.8	39
421	All Organic Sodiumâ€Ion Batteries with Na₄C₈H₂O₆. Angewandte Chemie - International Edition, 2014, 53, 5892-5896.	7.2	363
422	Hydrogenated Uniform Pt Clusters Supported on Porous CaMnO₃ as a Bifunctional Electrocatalyst for Enhanced Oxygen Reduction and Evolution. Advanced Materials, 2014, 26, 2047-2051.	11.1	244
423	Ni nanoparticles supported on carbon as efficient catalysts for the hydrolysis of ammonia borane. Nano Research, 2014, 7, 774-781.	5.8	74
424	Hydrothermal synthesis of spindle-like Li2FeSiO4-C composite as cathode materials for lithium-ion batteries. Journal of Energy Chemistry, 2014, 23, 274-281.	7.1	19
425	Preface to Special Issue on Electrochemical Energy Storage and Conversion. Journal of Energy Chemistry, 2014, 23, i.	7.1	0
426	Ultrasmall Li2S Nanoparticles Anchored in Graphene Nanosheets for High-Energy Lithium-Ion Batteries. Scientific Reports, 2014, 4, 6467.	1.6	122
427	M(Salen)-derived Nitrogen-doped M/C (M = Fe, Co, Ni) Porous Nanocomposites for Electrocatalytic Oxygen Reduction. Scientific Reports, 2014, 4, 4386.	1.6	93
428	å‡†å›ºæ€é”,ç¦»å¿”µæ±æ£æžœœ–™æŸ±[5]é†Œçš„ç”©¶. Scientia Sinica Chimica, 2014, 44, 1175-1180.	0.2	3
429	Solvo/Hydrothermal Preparation of MnO_x@rGO Nanocomposites for Electrocatalytic Oxygen Reduction. Acta Chimica Sinica, 2014, 72, 920.	0.5	7
430	Fused Heteroaromatic Organic Compounds for Highâ€Power Electrodes of Rechargeable Lithium Batteries. Advanced Energy Materials, 2013, 3, 600-605.	10.2	293
431	Li3V2(PO4)3@C coreâ€“shell nanocomposite as a superior cathode material for lithium-ion batteries. Nanoscale, 2013, 5, 6485.	2.8	130
432	Understanding electrode materials of rechargeable lithium batteries via DFT calculations. Progress in Natural Science: Materials International, 2013, 23, 256-272.	1.8	68

#	Article	IF	Citations
433	Spinel LiNi0.5Mn1.5O4 cathode for rechargeable lithiumion batteries: Nano vs micro, ordered phase (P4332) vs disordered phase (Fd $ar 3$ m). Nano Research, 2013, 6, 679-687.	5.8	126
434	Quasiâ€Solidâ€State Rechargeable Lithiumâ€Ion Batteries with a Calix[4]quinone Cathode and Gel Polymer Electrolyte. Angewandte Chemie - International Edition, 2013, 52, 9162-9166.	7.2	271
435	Organic Li₄C₈H₂O₆ Nanosheets for Lithium-Ion Batteries. Nano Letters, 2013, 13, 4404-4409.	4.5	352
436	Ordered spinel LiNi0.5Mn1.5O4 nanorods for high-rate lithium-ion batteries. Journal of Electroanalytical Chemistry, 2013, 688, 113-117.	1.9	31
437	Biocompatible Shaped Particles from Dried Multilayer Polymer Capsules. Biomacromolecules, 2013, 14, 3830-3841.	2.6	88
438	Intergrown LiNi0.5Mn1.5O4Â·LiNi1/3Co1/3Mn1/3O2 composite nanorods as high-energy density cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 13742.	5.2	16
439	Porous calciumâ€“manganese oxide microspheres for electrocatalytic oxygen reduction with high activity. Chemical Science, 2013, 4, 368-376.	3.7	164
440	Function-oriented design of conjugated carbonyl compound electrodes for high energy lithium batteries. Chemical Science, 2013, 4, 1330.	3.7	355
441	Li2MnSiO4@C nanocomposite as a high-capacity cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 12650.	5.2	41
442	Composite of sulfur impregnated in porous hollow carbon spheres as the cathode of Li-S batteries with high performance. Nano Research, 2013, 6, 38-46.	5.8	232
443	Development of MoS₂â€“CNT Composite Thin Film from Layered MoS₂ for Lithium Batteries. Advanced Energy Materials, 2013, 3, 798-805.	10.2	282
444	Bistable Magnetoresistance Switching in Exchange-Coupled CoFe₂O₄â€“Fe₃O₄ Binary Nanocrystal Superlattices by Self-Assembly and Thermal Annealing. ACS Nano, 2013, 7, 1478-1486.	7.3	85
445	Intergrown Li2FeSiO4Â·LiFePO4â€“C nanocomposites as high-capacity cathode materials for lithium-ion batteries. Chemical Communications, 2013, 49, 3040.	2.2	73
446	Arylamine organic dyes for dye-sensitized solar cells. Chemical Society Reviews, 2013, 42, 3453.	18.7	1,011
447	Nanoporous Ni-based catalysts for hydrogen generation fromÂhydrolysis of ammonia borane. International Journal of Hydrogen Energy, 2013, 38, 5768-5774.	3.8	46
448	Enhancing Electrocatalytic Oxygen Reduction on MnO₂ with Vacancies. Angewandte Chemie - International Edition, 2013, 52, 2474-2477.	7.2	623
449	LiNi_{0.5}Mn_{1.5}O₄ Porous Nanorods as High-Rate and Long-Life Cathodes for Li-Ion Batteries. Nano Letters, 2013, 13, 2822-2825.	4.5	257
450	A Repeated Halving Approach to Fabricate Ultrathin Singleâ€Walled Carbon Nanotube Films for Transparent Supercapacitors. Small, 2013, 9, 518-524.	5.2	96

#	Article	IF	Citations
451	A quantum-chemical study on the discharge reaction mechanism of lithium-sulfur batteries. Journal of Energy Chemistry, 2013, 22, 72-77.	7.1	174
452	Investigation of effects of carbon coating on the electrochemical performance of Li4Ti5O12/C nanocomposites. Journal of Materials Chemistry A, 2013, 1, 9484.	5.2	194
453	Functional porous carbon-based composite electrode materials for lithium secondary batteries. Journal of Energy Chemistry, 2013, 22, 214-225.	7.1	51
454	PdNi Hollow Nanoparticles for Improved Electrocatalytic Oxygen Reduction in Alkaline Environments. ACS Applied Materials & Interfaces, 2013, 5, 12708-12715.	4.0	108
455	Spindle-Like LiMnPO₄ Assembled by Nanorods with Different Crystallographic Orientations as the Cathode of Lithium-Ion Batteries. Science of Advanced Materials, 2013, 5, 1676-1685.	0.1	6
456	Organic conjugated carbonyl compounds as electrode materials for lithium-ion batteries. Chinese Science Bulletin, 2013, 58, 3132-3139.	0.4	6
457	Nanoporous Catalysts for Rechargeable Li-air Batteries. Acta Chimica Sinica, 2013, 71, 473.	0.5	14
458	First-principles Study on Metal-doped LiNi_{0.5}Mn_{1.5}O₄as a Cathode Material for Rechargeable Li-Ion Batteries. Acta Chimica Sinica, 2013, 71, 1029.	0.5	11
459	Something from nothing. Nature Chemistry, 2012, 4, 962-963.	6.6	75
460	Facile polymer-assisted synthesis of LiNi0.5Mn1.5O4 with a hierarchical microâ€“nano structure and high rate capability. RSC Advances, 2012, 2, 5669.	1.7	111
461	A thermally and electrochemically stable organic hole-transporting material with an adamantane central core and triarylamine moieties. Synthetic Metals, 2012, 162, 490-496.	2.1	47
462	Facile solvothermal synthesis of CaMn2O4 nanorods for electrochemical oxygen reduction. Journal of Materials Chemistry, 2012, 22, 15812.	6.7	76
463	Porous MnO2 hollow cubes as new nanoscaffold materials for the dehydrogenation promotion of ammonia-borane (AB). Microporous and Mesoporous Materials, 2012, 161, 40-47.	2.2	15
464	Siâ€“Y multi-layer thin films as anode materials of high-capacity lithium-ion batteries. Journal of Power Sources, 2012, 217, 102-107.	4.0	20
465	A â€œskeleton/skinâ€•strategy for preparing ultrathin free-standing single-walled carbon nanotube/polyaniline films for high performance supercapacitor electrodes. Energy and Environmental Science, 2012, 5, 8726.	15.6	312
466	Promoted hydrogen release from ammonia borane with mannitolvia a solid-state reaction route. Dalton Transactions, 2012, 41, 871-875.	1.6	16
467	Metalâ€“air batteries: from oxygen reduction electrochemistry to cathode catalysts. Chemical Society Reviews, 2012, 41, 2172.	18.7	2,322
468	First-Principles Study of Zigzag MoS₂ Nanoribbon As a Promising Cathode Material for Rechargeable Mg Batteries. Journal of Physical Chemistry C, 2012, 116, 1307-1312.	1.5	164

#	Article	IF	Citations
469	A Leavening Strategy to Prepare Reduced Graphene Oxide Foams. Advanced Materials, 2012, 24, 4144-4150.	11.1	765
470	Organic Electrode Materials for Rechargeable Lithium Batteries. Advanced Energy Materials, 2012, 2, 742-769.	10.2	1,125
471	Organic Electrodes: Organic Electrode Materials for Rechargeable Lithium Batteries (Adv. Energy) Tj ETQq1 1 0.784314 rgBT /Overloc	10.2	14
472	Facile Oxygen Reduction on a Threeâ€Ðimensionally Ordered Macroporous Graphitic C₃N₄/Carbon Composite Electrocatalyst. Angewandte Chemie - International Edition, 2012, 51, 3892-3896.	7.2	588
473	Efficient hydrogen storage with the combination of lightweight Mg/MgH2 and nanostructures. Chemical Communications, 2012, 48, 7334.	2.2	153
474	Decreasing the thermal dehydrogenation temperature of methylamine borane (MeAB) by mixing with poly(methyl acrylate) (PMA). International Journal of Hydrogen Energy, 2012, 37, 7638-7644.	3.8	40
475	Porous Li2FeSiO4/C nanocomposite as the cathode material of lithium-ion batteries. Journal of Power Sources, 2012, 198, 229-235.	4.0	173
476	Secondary battery systems for energy storage in smart grids. Chinese Science Bulletin, 2012, 57, 2545-2560.	0.4	7
477	Silica hollow nanospheres as new nanoscaffold materials to enhance hydrogen releasing from ammonia borane. Physical Chemistry Chemical Physics, 2011, 13, 18592.	1.3	37
478	Transition metal vanadium oxides and vanadate materials for lithium batteries. Journal of Materials Chemistry, 2011, 21, 9841.	6.7	205
479	Porous LiMn2O4 nanorods with durable high-rate capability for rechargeable Li-ion batteries. Energy and Environmental Science, 2011, 4, 3668.	15.6	264
480	Compact-designed supercapacitors using free-standing single-walled carbon nanotube films. Energy and Environmental Science, 2011, 4, 1440.	15.6	310
481	Compositional effects of PEDOT-PSS/single walled carbon nanotube films on supercapacitor device performance. Journal of Materials Chemistry, 2011, 21, 15987.	6.7	201
482	NANOSTRUCTURED ELECTRODE MATERIALS FOR LITHIUM BATTERIES. , 2011, , 85-126.		0
483	Controllable synthesis and characterization of porous FeVO₄nanorods and nanoparticles. CrystEngComm, 2011, 13, 897-901.	1.3	37
484	Preparation and electrochemical performance of copper foam-supported amorphous silicon thin films for rechargeable lithium-ion batteries. Journal of Alloys and Compounds, 2011, 509, 2919-2923.	2.8	44
485	Synthesis and electrochemical properties of porous LiV3O8 as cathode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2011, 509, 6030-6035.	2.8	23
486	Ab initio investigation of structures, electronic and thermodynamic properties for Liâ€“Mgâ€“H ternary system. Journal of Alloys and Compounds, 2011, 509, 8228-8234.	2.8	18

#	Article	IF	Citations
487	Hydrogen Releasing of Lithium Amidoborane-LiNH₂BH₃. Materials Transactions, 2011, 52, 651-653.	0.4	8
488	Rapid room-temperature synthesis of nanocrystalline spinels as oxygen reduction and evolution electrocatalysts. Nature Chemistry, 2011, 3, 79-84.	6.6	1,183
489	Nanoporous Graphitic-C₃N₄@Carbon Metal-Free Electrocatalysts for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2011, 133, 20116-20119.	6.6	958
490	Preparation of Li4Ti5O12 submicrospheres and their application as anode materials of rechargeable lithium-ion batteries. Science China Chemistry, 2011, 54, 936-940.	4.2	15
491	Rechargeable Mg Batteries with Grapheneâ€like MoS₂ Cathode and Ultrasmall Mg Nanoparticle Anode. Advanced Materials, 2011, 23, 640-643.	11.1	474
492	Functional Materials for Rechargeable Batteries. Advanced Materials, 2011, 23, 1695-1715.	11.1	1,419
493	Hydrogen generation by hydrolysis of ammonia borane with a nanoporous cobaltâ€“tungstenâ€“boronâ€“phosphorus catalyst supported on Ni foam. International Journal of Hydrogen Energy, 2011, 36, 1411-1417.	3.8	61
494	Carbon-supported Ni1â^'x@Ptx (xÂ=Â0.32, 0.43, 0.60, 0.67, and 0.80) coreâ€“shell nanoparticles as catalysts for hydrogen generation from hydrolysis of ammonia borane. International Journal of Hydrogen Energy, 2011, 36, 1984-1990.	3.8	79
495	SnO2 nanoparticles@polypyrrole nanowires composite as anode materials for rechargeable lithium-ion batteries. Journal of Power Sources, 2011, 196, 2195-2201.	4.0	180
496	Hydrolytic dehydrogenation of ammonia borane catalyzed by carbon supported Co coreâ€“Pt shell nanoparticles. Journal of Power Sources, 2011, 196, 2785-2789.	4.0	118
497	Correlating Dye Adsorption Behavior with the Open-Circuit Voltage of Triphenylamine-Based Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2010, 114, 10992-10998.	1.5	95
498	A Quantumâ€Chemical Study on Understanding the Dehydrogenation Mechanisms of Metal (Na, K, or Mg) Cation Substitution in Lithium Amide Nanoclusters. Advanced Functional Materials, 2010, 20, 1894-1902.	7.8	8
499	A Soft Hydrogen Storage Material: Poly(Methyl Acrylate)â€Confined Ammonia Borane with Controllable Dehydrogenation. Advanced Materials, 2010, 22, 394-397.	11.1	111
500	Electroless-deposited Coâ€“P catalysts for hydrogen generation from alkaline NaBH4 solution. International Journal of Hydrogen Energy, 2010, 35, 8363-8369.	3.8	71
501	A porous 3d-4f heterometallic metalâ€“organic framework for hydrogen storage. International Journal of Hydrogen Energy, 2010, 35, 8166-8170.	3.8	28
502	All-Solid-State Dye-Sensitized Solar Cells with Alkyloxy-Imidazolium Iodide Ionic Polymer/SiO₂ Nanocomposite Electrolyte and Triphenylamine-Based Organic Dyes. Journal of Physical Chemistry C, 2010, 114, 6814-6821.	1.5	52
503	Carbon nanotube architectures as catalyst supports for proton exchange membrane fuel cells. Energy and Environmental Science, 2010, 3, 1286.	15.6	218
504	Preparation and characterization of nanocrystalline Mg2FeH6. Journal of Alloys and Compounds, 2010, 508, 554-558.	2.8	34

#	Article	IF	Citations
505	A density functional theory and time-dependent density functional theory investigation on the anchor comparison of triarylamine-based dyes. Journal of Chemical Physics, 2010, 132, 034305.	1.2	76
506	Triphenylamine-Based Ionic Dyes with Simple Structures: Broad Photoresponse and Limitations on Open-Circuit Voltage in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2010, 114, 15842-15848.	1.5	29
507	Lithium transport at silicon thin film: Barrier for high-rate capability anode. Journal of Chemical Physics, 2010, 133, 034701.	1.2	100
508	Triphenylamine-Based Dyes Bearing Functionalized 3,4-Propylenedioxythiophene Linkers with Enhanced Performance for Dye-Sensitized Solar Cells. Organic Letters, 2010, 12, 1204-1207.	2.4	95
509	MnO₂-Based Nanostructures as Catalysts for Electrochemical Oxygen Reduction in Alkaline Media. Chemistry of Materials, 2010, 22, 898-905.	3.2	679
510	Synthesis, characterization and electrochemical properties of a compact titanium dioxide layer. Solid State Sciences, 2009, 11, 433-438.	1.5	36
511	High-surface-area microporous carbon as the efficient photocathode of dye-sensitized solar cells. Solid State Sciences, 2009, 11, 2051-2055.	1.5	24
512	Triphenylamine-based organic dye containing the diphenylvinyl and rhodanine-3-acetic acid moieties for efficient dye-sensitized solar cells. Journal of Power Sources, 2009, 187, 620-626.	4.0	39
513	Mg micro/nanoscale materials with sphere-like morphologies: Size-controlled synthesis and characterization. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 35-39.	0.2	2
514	Ni1â^'xPtx (x=0â€“0.08) films as the photocathode of dye-sensitized solar cells with high efficiency. Nano Research, 2009, 2, 484-492.	5.8	42
515	Magnesium microspheres and nanospheres: Morphology-controlled synthesis and application in Mg/MnO2 batteries. Nano Research, 2009, 2, 713-721.	5.8	30
516	PtxNi1â^'x nanoparticles as catalysts for hydrogen generation from hydrolysis of ammonia borane. International Journal of Hydrogen Energy, 2009, 34, 8785-8791.	3.8	146
517	An inexpensive and efficient pyridine-based additive for the electrolyte of dye-sensitized solar cells. Journal of Power Sources, 2009, 193, 878-884.	4.0	15
518	Functional materials with high-efficiency energy storage and conversion for batteries and fuel cells. Coordination Chemistry Reviews, 2009, 253, 2805-2813.	9.5	137
519	Unique two-fold interpenetration of 3D microporous 3dâ€“4f heterometalâ€“organic frameworks (HMOF) based on a rigid ligand. Dalton Transactions, 2009, , 7765.	1.6	39
520	Preparation, characterization and catalytic NaBH4 hydrolysis of Co-B hollow spheres. Journal of Alloys and Compounds, 2009, 474, 584-589.	2.8	69
521	Facile solution-controlled growth of CuInS2 thin films on FTO and TiO2/FTO glass substrates for photovoltaic application. Journal of Alloys and Compounds, 2009, 481, 786-791.	2.8	76
522	A quantum chemical study on magnesium(Mg)/magnesiumâ€“hydrogen(Mgâ€“H) nanowires. Journal of Alloys and Compounds, 2009, 484, 308-313.	2.8	33

#	Article	IF	Citations
523	Studies on the Hydrogen Storage of Magnesium Nanowires by Density Functional Theory. Journal of Physical Chemistry C, 2009, 113, 3007-3013.	1.5	55
524	Combination of Lightweight Elements and Nanostructured Materials for Batteries. Accounts of Chemical Research, 2009, 42, 713-723.	7.6	454
525	Quasi-Solid-State Dye-Sensitized Solar Cells with Polymer Gel Electrolyte and Triphenylamine-Based Organic Dyes. ACS Applied Materials & Interfaces, 2009, 1, 944-950.	4.0	67
526	Facile synthesis of hierarchically porous carbons and their application as a catalyst support for methanol oxidation. Journal of Materials Chemistry, 2009, 19, 4108.	6.7	52
527	Selective Synthesis of Manganese Oxide Nanostructures for Electrocatalytic Oxygen Reduction. ACS Applied Materials & Interfaces, 2009, 1, 460-466.	4.0	154
528	Low-temperature hydrothermal synthesis and structure control of nano-sized CePO4. CrystEngComm, 2009, 11, 1630.	1.3	51
529	Magnesium nanostructures for energy storage and conversion. Journal of Materials Chemistry, 2009, 19, 2877.	6.7	78
530	Low-Pt-loading acetylene-black cathode for high-efficient dye-sensitized solar cells. Journal of Power Sources, 2008, 177, 631-636.	4.0	42
531	Porous LiFePO4/NiP Composite nanospheres as the cathode materials in rechargeable lithium-ion batteries. Nano Research, 2008, 1, 242.	5.8	30
532	Direct Thermal Decomposition of Metal Nitrates in Octadecylamine to Metal Oxide Nanocrystals. Chemistry - A European Journal, 2008, 14, 2507-2513.	1.7	103
533	Influence of acceptor moiety in triphenylamine-based dyes on the properties of dye-sensitized solar cells. Journal of Power Sources, 2008, 183, 792-798.	4.0	45
534	Dye-sensitized solar cells made from BaTiO3-coated TiO2 nanoporous electrodes. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 197, 260-265.	2.0	60
535	Preparation and gas storage of high surface area microporous carbon derived from biomass source cornstalks. Bioresource Technology, 2008, 99, 4803-4808.	4.8	76
536	CuO particles and plates: Synthesis and gas-sensor application. Materials Research Bulletin, 2008, 43, 2380-2385.	2.7	214
537	Ammonia borane as an efficient and lightweight hydrogen storage medium. Energy and Environmental Science, 2008, , .	15.6	45
538	Fabrication of Nickel Hydroxide Microtubes with Micro- and Nano-Scale Composite Structure and Improving Electrochemical Performance. Crystal Growth and Design, 2008, 8, 2157-2162.	1.4	70
539	New Triphenylamine-Based Dyes for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2008, 112, 874-880.	1.5	334
540	Template-Directed Materials for Rechargeable Lithium-Ion Batteries. Chemistry of Materials, 2008, 20, 667-681.	3.2	507

#	Article	IF	Citations
541	Î±-CuV₂O₆ Nanowires: Hydrothermal Synthesis and Primary Lithium Battery Application. Journal of the American Chemical Society, 2008, 130, 5361-5367.	6.6	281
542	Facile Synthesis of Nanoporous Î³-MnO₂ Structures and Their Application in Rechargeable Li-Ion Batteries. Crystal Growth and Design, 2008, 8, 2799-2805.	1.4	178
543	Electrocatalytic Methanol Oxidation of Pt_{0.5}Ru_{0.5-}_xSn_x/C (x = 0â¯0.5). Journal of Physical Chemistry C, 2008, 112, 6337-6345.	1.5	80
544	Design of two 3D homochiral Co(II) metalâ€“organic open frameworks by layered-pillar strategy: structure and properties. CrystEngComm, 2008, 10, 963.	1.3	23
545	Synthesis, characterization and electrochemical properties of aluminum-substituted alpha-Ni(OH)2 hollow spheres. Journal of Alloys and Compounds, 2008, 456, 339-343.	2.8	47
546	Biomass Waste-Derived Microporous Carbons with Controlled Texture and Enhanced Hydrogen Uptake. Chemistry of Materials, 2008, 20, 1889-1895.	3.2	87
547	Application of Triphenylamine-Based Sensitizers with Two Carboxylic Acid Groups to Dye-Sensitized Solar Cells. Acta Physico-chimica Sinica, 2008, 24, 1950-1956.	0.6	5
548	Electrochemical Lithium Intercalation/Deintercalation of Single-Crystalline V[sub 2]O[sub 5] Nanowires. Journal of the Electrochemical Society, 2007, 154, A39.	1.3	49
549	Self-Assembled Nickel Hydroxide Three-Dimensional Nanostructures:Â A Nanomaterial for Alkaline Rechargeable Batteries. Crystal Growth and Design, 2007, 7, 170-174.	1.4	159
550	ZnS micro-spheres and flowers: Chemically controlled synthesis and template use in fabricating MS(shell)/ZnS(core) and MS (M=Pb, Cu) hollow microspheres. Journal of Alloys and Compounds, 2007, 441, 337-343.	2.8	20
551	Magnesium Nanowires:Â Enhanced Kinetics for Hydrogen Absorption and Desorption. Journal of the American Chemical Society, 2007, 129, 6710-6711.	6.6	294
552	Metallic Aluminum Nanorods: Synthesis via Vapor-Deposition and Applications in Al/air Batteries. Chemistry of Materials, 2007, 19, 5812-5814.	3.2	64
553	A readily-prepared, convergent, oxygen reduction electrocatalyst. Chemical Communications, 2007, , 3353.	2.2	38
554	Ni1-xPtx (x = 0â¯0.12) Hollow Spheres as Catalysts for Hydrogen Generation from Ammonia Borane. Inorganic Chemistry, 2007, 46, 788-794.	1.9	350
555	New Triphenylamine-Based Organic Dyes for Efficient Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2007, 111, 4465-4472.	1.5	366
556	A Heterometallic Porous Material for Hydrogen Adsorption. Inorganic Chemistry, 2007, 46, 4530-4534.	1.9	116
557	Studies on the vapour-transport synthesis and electrochemical properties of zinc micro-, meso- and nanoscale structures. Journal of Materials Chemistry, 2007, 17, 684-691.	6.7	20
558	Nestâ€like Silicon Nanospheres for Highâ€Capacity Lithium Storage. Advanced Materials, 2007, 19, 4067-4070.	11.1	455

#	Article	IF	Citations
559	Improved hydrogen generation from alkaline NaBH4NaBH4 solution using carbon-supported Coâ€“BCoâ€“B as catalysts. International Journal of Hydrogen Energy, 2007, 32, 4711-4716.	3.8	223
560	Novel quasi-solid electrolyte for dye-sensitized solar cells. Journal of Power Sources, 2007, 165, 911-915.	4.0	60
561	Improving the performance of PtRu/C catalysts for methanol oxidation by sensitization and activation treatment. Journal of Power Sources, 2007, 166, 331-336.	4.0	45
562	Shape-controlled synthesis and optical characterization of chalcopyrite CuInS2 microstructures. Journal of Crystal Growth, 2007, 305, 99-103.	0.7	46
563	Solvothermal synthesis and optical characterization of chalcopyrite CuInSe2 microspheres. Materials Chemistry and Physics, 2007, 106, 296-300.	2.0	35
564	ZnFe2O4 tubes: Synthesis and application to gas sensors with high sensitivity and low-energy consumption. Sensors and Actuators B: Chemical, 2007, 120, 403-410.	4.0	172
565	Facile Controlled Synthesis of MnO2Nanostructures of Novel Shapes and Their Application in Batteries. Inorganic Chemistry, 2006, 45, 2038-2044.	1.9	473
566	Synthesis, Characterization, and Electrochemical Properties of Ag2V4O11and AgVO31-D Nano/Microstructures. Journal of Physical Chemistry B, 2006, 110, 24855-24863.	1.2	132
567	Synthesis, Characterization, and Gas-Sensor Application of WO[sub 3] Nanocuboids. Journal of the Electrochemical Society, 2006, 153, H133.	1.3	40
568	Shape-Controlled Synthesis of Ternary Chalcogenide ZnIn2S4and CuIn(S,Se)2Nano-/Microstructures via Facile Solution Route. Journal of the American Chemical Society, 2006, 128, 7222-7229.	6.6	397
569	Growth of Large-Area Aligned Molybdenum Nanowires by High Temperature Chemical Vapor Deposition:Â Synthesis, Growth Mechanism, and Device Application. Journal of Physical Chemistry B, 2006, 110, 10296-10302.	1.2	47
570	Storage of hydrogen and lithium in inorganic nanotubes and nanowires. Journal of Materials Research, 2006, 21, 2744-2757.	1.2	71
571	Removal of nickel ions from wastewater by Mg(OH)2/MgO nanostructures embedded in Al2O3 membranes. Journal of Alloys and Compounds, 2006, 426, 281-285.	2.8	76
572	Porous Acetylene-black Spheres as the Cathode Materials of Dye-sensitized Solar Cells. Chemistry Letters, 2006, 35, 1266-1267.	0.7	34
573	Thioglycolic Acid-assisted Solvothermal Synthesis of CuInS2with Controllable Microstructures. Chemistry Letters, 2006, 35, 1050-1051.	0.7	8
574	Shape-controlled synthesis and lithium-storage study of metal-organic frameworks Zn4O(1,3,5-benzenetribenzoate)2. Journal of Power Sources, 2006, 160, 542-547.	4.0	301
575	Electrodeposition synthesis and electrochemical properties of nanostructured Î³-MnO2 films. Journal of Power Sources, 2006, 162, 727-734.	4.0	253
576	MCo2O4 (M=Ni, Cu, Zn) nanotubes: Template synthesis and application in gas sensors. Sensors and Actuators B: Chemical, 2006, 114, 402-409.	4.0	101

#	Article	IF	Citations
577	Vapor-Transportation Preparation and Reversible Lithium Intercalation/Deintercalation of Î±-MoO3Microrods. Journal of Physical Chemistry B, 2006, 110, 119-124.	1.2	206
578	Synthesis, characterization and hydrogen storage capacity of MS2 (M = Mo, Ti) nanotubes. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2006, 1, 260-263.	0.4	10
579	Conducting Poly(aniline) Nanotubes and Nanofibers: Controlled Synthesis and Application in Lithium/Poly(aniline) Rechargeable Batteries. Chemistry - A European Journal, 2006, 12, 3082-3088.	1.7	171
580	Metallic Magnesium Nano/Mesoscale Structures: Their Shape-Controlled Preparation and Mg/Air Battery Applications. Angewandte Chemie - International Edition, 2006, 45, 6009-6012.	7.2	152
581	MoS2â€“Ni Nanocomposites as Catalysts for Hydrodesulfurization of Thiophene and Thiophene Derivatives. Advanced Materials, 2006, 18, 2561-2564.	11.1	98
582	Y(OH)3-coated Ni(OH)2 tube as the positive-electrode materials of alkaline rechargeable batteries. Journal of Power Sources, 2005, 150, 255-260.	4.0	33
583	Synthesis, characterization and application of SnSx (x=1, 2) nanoparticles. Materials Chemistry and Physics, 2005, 93, 557-566.	2.0	150
584	Electrochemical Deposition of Ni(OH)2 and Fe-Doped Ni(OH)2 Tubes. European Journal of Inorganic Chemistry, 2005, 2005, 4035-4039.	1.0	59
585	Co3O4 Nanomaterials in Lithium-Ion Batteries and Gas Sensors. Advanced Functional Materials, 2005, 15, 851-857.	7.8	1,138
586	?-Fe2O3 Nanotubes in Gas Sensor and Lithium-Ion Battery Applications. Advanced Materials, 2005, 17, 582-586.	11.1	1,564
587	High-Power Alkaline Zn-MnO2 Batteries Using Î³-MnO2 Nanowires/Nanotubes and Electrolytic Zinc Powder. Advanced Materials, 2005, 17, 2753-2756.	11.1	295
588	Template-Synthesized LiCoO2, LiMn2O4, and LiNi0.8Co0.2O2 Nanotubes as the Cathode Materials of Lithium Ion Batteries.. ChemInform, 2005, 36, no.	0.1	1
589	Metal-Complex Hydrides for Hydrogen-Storage Application. Materials Science Forum, 2005, 475-479, 2437-2440.	0.3	1
590	Synthesis and Application of La[sub 0.59]Ca[sub 0.41]CoO[sub 3] Nanotubes. Journal of the Electrochemical Society, 2005, 152, A2069.	1.3	21
591	Synthesis, Characterization, and Electrochemical Application of Ca(OH)2-, Co(OH)2-, and Y(OH)3-Coated Ni(OH)2Tubes. Journal of Physical Chemistry B, 2005, 109, 14025-14032.	1.2	75
592	Template-Synthesized LiCoO2, LiMn2O4, and LiNi0.8Co0.2O2Nanotubes as the Cathode Materials of Lithium Ion Batteries. Journal of Physical Chemistry B, 2005, 109, 14017-14024.	1.2	209
593	Thermally Stable Silicate Nanotubes. Angewandte Chemie - International Edition, 2004, 43, 2017-2020.	7.2	113
594	Ni(OH)2 Tubes with Mesoscale Dimensions as Positive-Electrode Materials of Alkaline Rechargeable Batteries. Angewandte Chemie - International Edition, 2004, 43, 4212-4216.	7.2	215

#	Article	IF	Citations
595	Thermally Stable Silicate Nanotubes.. ChemInform, 2004, 35, no.	0.1	0
596	TiS2 nanotubes as the cathode materials of Mg-ion batteries. Chemical Communications, 2004, , 2080.	2.2	232
597	Fabrication of Ru and Ru-Based Functionalized Nanotubes. Journal of the American Chemical Society, 2004, 126, 3060-3061.	6.6	45
598	Ag Nanowires Coated with Ag/Pd Alloy Sheaths and Their Use as Substrates for Reversible Absorption and Desorption of Hydrogen. Journal of the American Chemical Society, 2004, 126, 5940-5941.	6.6	177
599	Review of hydrogen storage in inorganic fullerene-like nanotubes. Applied Physics A: Materials Science and Processing, 2004, 78, 989-994.	1.1	87
600	Low-temperature catalytic preparation of multi-wall MoS2 nanotubes. Science in China Series B: Chemistry, 2003, , 191.	0.8	4
601	Synthesis and Characterization of WS2Nanotubes. Chemistry of Materials, 2003, 15, 1012-1019.	3.2	43
602	Titanium Disulfide Nanotubes as Hydrogen-Storage Materials. Journal of the American Chemical Society, 2003, 125, 5284-5285.	6.6	192
603	Synthesis of TiSe2 Nanotubes/Nanowires. Advanced Materials, 2003, 15, 1379-1382.	11.1	22
604	Lithium Intercalation in Open-Ended TiS2 Nanotubes. Angewandte Chemie, 2003, 115, 2197-2201.	1.6	22
605	Lithium Intercalation in Open-Ended TiS2 Nanotubes. Angewandte Chemie - International Edition, 2003, 42, 2147-2151.	7.2	123
606	Novel hydrogen storage properties of MoS2 nanotubes. Journal of Alloys and Compounds, 2003, 356-357, 413-417.	2.8	83
607	Low-temperature synthesis of titanium disulfide nanotubes. Chemical Communications, 2003, , 980-981.	2.2	63
608	Novel Magnesium-Manganese Hydrides Prepared by the Gigapascal High Pressure Technique. Materials Transactions, 2002, 43, 1124-1126.	0.4	18
609	Hydriding and Dehydriding Properties of Amorphous Magnesiumâ^'Nickel Films Prepared by a Sputtering Method. Chemistry of Materials, 2002, 14, 2834-2836.	3.2	22
610	Synthesis of open-ended MoS2 nanotubes and the application as the catalyst of methanation. Chemical Communications, 2002, , 1722-1723.	2.2	168
611	High-Pressure Synthesis of Amorphous MgNi1.02H2.2. Journal of the American Chemical Society, 2001, 123, 6193-6194.	6.6	26
612	Reversible Hydrogen Storage via Titanium-Catalyzed LiAlH4 and Li3AlH6. Journal of Physical Chemistry B, 2001, 105, 11214-11220.	1.2	289

#	Article	IF	Citations
613	Electrochemical Hydrogen Storage in MoS2Nanotubes. Journal of the American Chemical Society, 2001, 123, 11813-11814.	6.6	398
614	Hydriding properties of LaNi3 and CaNi3 and their substitutes with PuNi3-type structure. Journal of Alloys and Compounds, 2000, 302, 304-313.	2.8	167
615	A high pressure observation of the Mg2NiH4â€“H system. Journal of Alloys and Compounds, 2000, 307, L1-L5.	2.8	14
616	Nickel Hydroxide as an Active Material for the Positive Electrode in Rechargeable Alkaline Batteries. Journal of the Electrochemical Society, 1999, 146, 3606-3612.	1.3	223
617	Graphene in-situ composite metal phthalocyanines (TN-MPc@GN, M=Fe, Co, Ni) with improved performance as anode materials for lithium ion batteries. New Journal of Chemistry, 0, , .	1.4	2
618	Tuning Interphase Chemistry to Stabilize Highâ€Voltage LiCoO2 Cathode Material via Spinel Coating. Angewandte Chemie, 0, , .	1.6	1