Jia-Zhao Wang

List of Publications by Year
in descending order

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241 papers	22,347 citations	6486 82 h-index	11608 140 g-index
250 all docs	250 docs citations	250 times ranked	24090 citing authors

#	Article	IF	Citations
1	Boron leaching: Creating vacancy-rich Ni for enhanced hydrogen evolution. Nano Research, 2022, 15, 1868-1873.	5.8	18
2	The Emerging Electrochemical Activation Tactic for Aqueous Energy Storage: Fundamentals, Applications, and Future. Advanced Functional Materials, 2022, 32, .	7.8	34
3	Ice-Assisted Synthesis of Highly Crystallized Prussian Blue Analogues for All-Climate and Long-Calendar-Life Sodium Ion Batteries. Nano Letters, 2022, 22, 1302-1310.	4.5	68
4	Prussian Blue Analogues for Sodiumâ€Ion Batteries: Past, Present, and Future. Advanced Materials, 2022, 34, e2108384.	11.1	252
5	Ball Milling Solidâ€State Synthesis of Highly Crystalline Prussian Blue Analogue Na_{2â^'x}MnFe(CN)₆Cathodes for Allâ€Climate Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	53
6	Ball Milling Solidâ€State Synthesis of Highly Crystalline Prussian Blue Analogue Na_{2â^'x}MnFe(CN)₆Cathodes for Allâ€Climate Sodiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	11
7	Organic Small Molecules with Electrochemicalâ€Active Phenolic Enolate Groups for Readyâ€toâ€Charge Organic Sodiumâ€Ion Batteries. Small Methods, 2022, 6, .	4.6	15
8	Research Progress and Future Perspectives on Rechargeable Naâ€O₂ and Naâ€CO₂ Batteries. Energy and Environmental Materials, 2021, 4, 158-177.	7.3	25
9	Tuning NaO2 formation and decomposition routes with nitrogen-doped nanofibers for low overpotential Na-O2 batteries. Nano Energy, 2021, 81, 105529.	8.2	19
10	Critical Advances in Ambient Air Operation of Nonaqueous Rechargeable Liâ€“Air Batteries. Small, 2021, 17, e1903854.	5.2	45
11	Li₂Sâ€Based Liâ€Ion Sulfur Batteries: Progress and Prospects. Small, 2021, 17, e1903934.	5.2	41
12	Facile Fabrication of Ag Nanocrystals Encapsulated in Nitrogenâ€doped Fibrous Carbon as an Efficient Catalyst for Lithium Oxygen Batteries. Energy and Environmental Materials, 2021, 4, 239-245.	7.3	20
13	Understanding the Effects of the Low-Concentration Electrolyte on the Performance of High-Energy-Density Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28405-28414.	4.0	19
14	Accelerated Polysulfide Redox in Binderâ€Free Li₂S Cathodes Promises Highâ€Energyâ€Density Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2100957.	10.2	35
15	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. Advanced Energy Materials, 2021, 11, 2102356.	10.2	41
16	The Dual Functions of Defectâ€Rich Carbon Nanotubes as Both Conductive Matrix and Efficient Mediator for Liï£¿S Batteries. Small, 2021, 17, e2103535.	5.2	23
17	Manipulating 2D Fewâ€Layer Metal Sulfides as Anode Towards Enhanced Sodiumâ€Ion Batteries. Batteries and Supercaps, 2020, 3, 236-253.	2.4	16
18	Uniform Polypyrrole Layer-Coated Sulfur/Graphene Aerogel via the Vapor-Phase Deposition Technique as the Cathode Material for Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2020, 12, 5958-5967.	4.0	29

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19	General Synthesis of Singleâ€Atom Catalysts for Hydrogen Evolution Reactions and Roomâ€Temperature Naâ€S Batteries. Angewandte Chemie - International Edition, 2020, 59, 22171-22178.	7.2	80
20	Electron Delocalization and Dissolutionâ€Restraint in Vanadium Oxide Superlattices to Boost Electrochemical Performance of Aqueous Zincâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2001852.	10.2	125
21	Confining Ultrathin 2D Superlattices in Mesoporous Hollow Spheres Renders Ultrafast and Highâ€Capacity Naâ€Ion Storage. Advanced Energy Materials, 2020, 10, 2001033.	10.2	25
22	General Synthesis of Singleâ€Atom Catalysts for Hydrogen Evolution Reactions and Roomâ€Temperature Naâ€S Batteries. Angewandte Chemie, 2020, 132, 22355-22362.	1.6	62
23	Heterostructured Mo2Câ€“MoO2 as highly efficient catalyst for rechargeable Liâ€“O2 battery. Journal of Power Sources, 2020, 470, 228317.	4.0	23
24	Principals and strategies for constructing a highly reversible zinc metal anode in aqueous batteries. Nano Energy, 2020, 74, 104880.	8.2	225
25	Nanostructured CoS₂-Decorated Hollow Carbon Spheres: A Performance Booster for Li-Ion/Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 6447-6459.	2.5	17
26	Layered mesoporous CoO/reduced graphene oxide with strong interfacial coupling as a high-performance anode for lithium-ion batteries. Journal of Alloys and Compounds, 2020, 843, 156050.	2.8	32
27	Self-assembling RuO₂ nanogranulates with few carbon layers as an interconnected nanoporous structure for lithiumâ€“oxygen batteries. Chemical Communications, 2020, 56, 7253-7256.	2.2	5
28	A conductive polymer derived N-doped carbon nanofiber supported Li2S coating layer for Liâ€“S batteries with high mass loading. Journal of Alloys and Compounds, 2020, 828, 154264.	2.8	9
29	Electro-polymerized polypyrrole film for fabrication of flexible and slurry-free polypyrrole-sulfur-polypyrrole sandwich electrode for the lithium-sulfur battery. Journal of Power Sources, 2019, 437, 226925.	4.0	27
30	Binderâ€Free 3D Integrated Ni@Ni 3 Pt Air Electrode for Znâ€“Air Batteries. Global Challenges, 2019, 3, 1900027.	1.8	11
31	Morphology tuning of inorganic nanomaterials grown by precipitation through control of electrolytic dissociation and supersaturation. Nature Chemistry, 2019, 11, 695-701.	6.6	86
32	Catalytic Activity Boosting of Nickel Sulfide toward Oxygen Evolution Reaction via Confined Overdoping Engineering. ACS Applied Energy Materials, 2019, 2, 5363-5372.	2.5	48
33	Atomicâ€Local Environments of Singleâ€Atom Catalysts: Synthesis, Electronic Structure, and Activity. Advanced Energy Materials, 2019, 9, 1900722.	10.2	128
34	2D Titaniaâ€“Carbon Superlattices Vertically Encapsulated in 3D Hollow Carbon Nanospheres Embedded with 0D TiO₂ Quantum Dots for Exceptional Sodiumâ€Ion Storage. Angewandte Chemie - International Edition, 2019, 58, 14125-14128.	7.2	47
35	2D Titaniaâ€“Carbon Superlattices Vertically Encapsulated in 3D Hollow Carbon Nanospheres Embedded with 0D TiO 2 Quantum Dots for Exceptional Sodiumâ€Ion Storage. Angewandte Chemie, 2019, 131, 14263-14266.	1.6	13
36	General Ï€â€Electronâ€Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Singleâ€Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 11868-11873.	7.2	229

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37	General Ï€â€Electronâ€Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Singleâ€Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. Angewandte Chemie, 2019, 131, 11994-11999.	1.6	28
38	Design strategies for developing non-precious metal based bi-functional catalysts for alkaline electrolyte based zincâ€“air batteries. Materials Horizons, 2019, 6, 1812-1827.	6.4	79
39	Lithium sulfide-based cathode for lithium-ion/sulfur battery: Recent progress and challenges. Energy Storage Materials, 2019, 19, 1-15.	9.5	64
40	Understanding the Reaction Chemistry during Charging in Aprotic Lithiumâ€“Oxygen Batteries: Existing Problems and Solutions. Advanced Materials, 2019, 31, e1804587.	11.1	254
41	The Quasiâ€Ptâ€Allotrope Catalyst: Hollow PtCo@singleâ€Atom Pt₁ on Nitrogenâ€Doped Carbon toward Superior Oxygen Reduction. Advanced Functional Materials, 2019, 29, 1807340.	7.8	97
42	Metallic state two-dimensional holey-structured Co₃FeN nanosheets as stable and bifunctional electrocatalysts for zincâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 26549-26556.	5.2	30
43	Highly reversible Li-O2 battery induced by modulating local electronic structure via synergistic interfacial interaction between ruthenium nanoparticles and hierarchically porous carbon. Nano Energy, 2019, 57, 166-175.	8.2	73
44	Free-Standing Three-Dimensional CuCo₂S₄ Nanosheet Array with High Catalytic Activity as an Efficient Oxygen Electrode for Lithiumâ€“Oxygen Batteries. ACS Applied Materials & Interfaces, 2019, 11, 3834-3842.	4.0	75
45	Componentâ€Interaction Reinforced Quasiâ€Solid Electrolyte with Multifunctionality for Flexible Liâ€“O₂ Battery with Superior Safety under Extreme Conditions. Small, 2019, 15, e1804701.	5.2	38
46	Review of Electrolytes in Nonaqueous Lithiumâ€“Oxygen Batteries. Advanced Sustainable Systems, 2018, 2, 1700183.	2.7	46
47	An Integrated Freeâ€Standing Flexible Electrode with Holeyâ€Structured 2D Bimetallic Phosphide Nanosheets for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1801016.	7.8	59
48	Remarkable Enhancement in Sodiumâ€Ion Kinetics of NaFe₂(CN)₆ by Chemical Bonding with Graphene. Small Methods, 2018, 2, 1700346.	4.6	40
49	Free-standing sulfur-polypyrrole cathode in conjunction with polypyrrole-coated separator for flexible Li-S batteries. Energy Storage Materials, 2018, 13, 312-322.	9.5	105
50	Metal-oxygen bonds: Stabilizing the intermediate species towards practical Li-air batteries. Electrochimica Acta, 2018, 259, 313-320.	2.6	12
51	Ultrathin and Edge-Enriched Holey Nitride Nanosheets as Bifunctional Electrocatalysts for the Oxygen and Hydrogen Evolution Reactions. ACS Catalysis, 2018, 8, 9686-9696.	5.5	71
52	Carbon- and binder-free 3D porous perovskite oxide air electrode for rechargeable lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 5283-5289.	5.2	49
53	Mo₂C/CNT: An Efficient Catalyst for Rechargeable Liâ€“CO₂ Batteries. Advanced Functional Materials, 2017, 27, 1700564.	7.8	236
54	Investigation of Promising Air Electrode for Realizing Ultimate Lithium Oxygen Battery. Advanced Energy Materials, 2017, 7, 1700234.	10.2	44

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55	Structureâ€“Property Relationships of Organic Electrolytes and Their Effects on Li/S Battery Performance. Advanced Materials, 2017, 29, 1700449.	11.1	96
56	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
57	Capillary-Induced Ge Uniformly Distributed in N-Doped Carbon Nanotubes with Enhanced Li-Storage Performance. Small, 2017, 13, 1700920.	5.2	27
58	Carbon-Encapsulated Sn@N-Doped Carbon Nanotubes as Anode Materials for Application in SIBs. ACS Applied Materials & Interfaces, 2017, 9, 37682-37693.	4.0	52
59	Reverse Microemulsion Synthesis of Sulfur/Graphene Composite for Lithium/Sulfur Batteries. ACS Nano, 2017, 11, 9048-9056.	7.3	73
60	A 3D porous nitrogen-doped carbon-nanofiber-supported palladium composite as an efficient catalytic cathode for lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 1462-1471.	5.2	71
61	Rapid hydrothermal synthesis of Li3VO4 with different favored facets. Journal of Solid State Electrochemistry, 2017, 21, 2547-2553.	1.2	8
62	Synthesis and Electrochemical Properties of Li[Ni1/3Co1/3Mn1/3]O2 for Lithium Ion Batteries. Science of Advanced Materials, 2017, 9, 331-335.	0.1	1
63	Core-Shell Co/CoO Integrated on 3D Nitrogen Doped Reduced Graphene Oxide Aerogel as an Enhanced Electrocatalyst for the Oxygen Reduction Reaction. Frontiers in Chemistry, 2016, 4, 36.	1.8	18
64	Nanofibrous Co₃O₄/PPy Hybrid with Synergistic Effect as Bifunctional Catalyst for Lithiumâ€Oxygen Batteries. Advanced Materials Interfaces, 2016, 3, 1600030.	1.9	33
65	Selfâ€Assembled 3D Foamâ€Like NiCo₂O₄ as Efficient Catalyst for Lithium Oxygen Batteries. Small, 2016, 12, 602-611.	5.2	97
66	Graphiteâ€Nanoplateâ€Coated Bi₂S₃ Composite with Highâ€Volume Energy Density and Excellent Cycle Life for Roomâ€Temperature Sodiumâ€“Sulfide Batteries. Chemistry - A European Journal, 2016, 22, 590-597.	1.7	48
67	3-D structured SnO₂â€“polypyrrole nanotubes applied in Na-ion batteries. RSC Advances, 2016, 6, 103124-103131.	1.7	19
68	A microwave autoclave synthesized MnO2/graphene composite as a cathode material for lithiumâ€“oxygen batteries. Journal of Applied Electrochemistry, 2016, 46, 869-878.	1.5	22
69	Corrigendum to "Rapid synthesis of Li4Ti5O12/grapheme composite with superior rate capability by a microwave-assisted hydrothermal method" [Nano Energy (2014) 8, 297â€“304]. Nano Energy, 2016, 30, 910.	8.2	0
70	Ternary Porous Sulfur/Dual-Carbon Architectures for Lithium/Sulfur Batteries Obtained Continuously and on a Large Scale via an Industry-Oriented Spray-Pyrolysis/Sublimation Method. ACS Applied Materials & Interfaces, 2016, 8, 25251-25260.	4.0	15
71	Ultrafine Mn₃O₄Nanowires/Three-Dimensional Graphene/Single-Walled Carbon Nanotube Composites: Superior Electrocatalysts for Oxygen Reduction and Enhanced Mg/Air Batteries. ACS Applied Materials & Interfaces, 2016, 8, 27710-27719.	4.0	48
72	General synthesis of xLi₂MnO₃Â·(1 â˜) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 72 Td (x)LiNi_{1/3}Co microspheres towards enhancing the performance of rechargeable lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 12442-12450.	5.2	38

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73	Binderâ€Free and Carbonâ€Free 3D Porous Air Electrode for Liâ€O₂ Batteries with High Efficiency, High Capacity, and Long Life. Small, 2016, 12, 3031-3038.	5.2	59
74	Significant enhancement of the cycling performance and rate capability of the P/C composite via chemical bonding (Pâ€“C). Journal of Materials Chemistry A, 2016, 4, 505-511.	5.2	106
75	A methodical approach for fabrication of binder-free Li2S-C composite cathode with high loading of active material for Li-S battery. Carbon, 2016, 103, 163-171.	5.4	45
76	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb₃O₇(OH) and Nb₂O₅ Superstructures for Energy Storage and Conversion Applications. ACS Nano, 2016, 10, 507-514.	7.3	81
77	Synthesis and Electrochemical Properties of LiMnBO₃ and LiMnBO₃/C Composite. Science of Advanced Materials, 2016, 8, 980-986.	0.1	1
78	Lithiumâ€“Oxygen Batteries: Porous AgPdâ€“Pd Composite Nanotubes as Highly Efficient Electrocatalysts for Lithiumâ€“Oxygen Batteries (Adv. Mater. 43/2015). Advanced Materials, 2015, 27, 7012-7012.	11.1	2
79	Porous AgPdâ€“Pd Composite Nanotubes as Highly Efficient Electrocatalysts for Lithiumâ€“Oxygen Batteries. Advanced Materials, 2015, 27, 6862-6869.	11.1	106
80	A Facile Synthesis of Highâ€Surfaceâ€Area Sulfurâ€“Carbon Composites for Li/S Batteries. Chemistry - A European Journal, 2015, 21, 10061-10069.	1.7	20
81	A hybrid gelâ€“solid-state polymer electrolyte for long-life lithium oxygen batteries. Chemical Communications, 2015, 51, 8269-8272.	2.2	47
82	A systematic approach to high and stable discharge capacity for scaling up the lithiumâ€“sulfur battery. Journal of Power Sources, 2015, 279, 231-237.	4.0	25
83	Rapid synthesis of Î±-Fe2O3/rGO nanocomposites by microwave autoclave as superior anodes for sodium-ion batteries. Journal of Power Sources, 2015, 280, 107-113.	4.0	123
84	A facile approach to synthesize stable CNTs@MnO electrocatalyst for high energy lithium oxygen batteries. Scientific Reports, 2015, 5, 8012.	1.6	34
85	A new, cheap, and productive FeP anode material for sodium-ion batteries. Chemical Communications, 2015, 51, 3682-3685.	2.2	154
86	Chemical adsorption: another way to anchor polysulfides. Nano Energy, 2015, 12, 810-815.	8.2	47
87	A Metalâ€Free, Freeâ€Standing, Macroporous Graphene@gâ€C₃N₄ Composite Air Electrode for Highâ€Energy Lithium Oxygen Batteries. Small, 2015, 11, 2817-2824.	5.2	157
88	A B₄C nanowire and carbon nanotube composite as a novel bifunctional electrocatalyst for high energy lithium oxygen batteries. Journal of Materials Chemistry A, 2015, 3, 18395-18399.	5.2	22
89	Comparison of Few-layer Graphene Prepared from Natural Graphite through Fast Synthesis Approach. Journal of Materials Science and Technology, 2015, 31, 907-912.	5.6	19
90	A phosphorus/N-doped carbon nanofiber composite as an anode material for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19011-19017.	5.2	113

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91	Cobalt phosphide as a new anode material for sodium storage. Journal of Power Sources, 2015, 294, 627-632.	4.0	158
92	Heterogeneous intergrowth xLi1.5Ni0.25Mn0.75O2.5Â·(1 â^' x)Li0.5Ni0.25Mn0.75O2 (0 â‰¤ x â‰¤ 1) composites: synergistic effect on electrochemical performance. Dalton Transactions, 2015, 44, 14255-14264.	1.6	10
93	Facile Method To Synthesize Na-Enriched Na_{1+x}FeFe(CN)₆ Frameworks as Cathode with Superior Electrochemical Performance for Sodium-Ion Batteries. Chemistry of Materials, 2015, 27, 1997-2003.	3.2	163
94	N-Doped Crumpled Graphene Derived from Vapor Phase Deposition of PPy on Graphene Aerogel as an Efficient Oxygen Reduction Reaction Electrocatalyst. ACS Applied Materials & Interfaces, 2015, 7, 7066-7072.	4.0	42
95	Multifunctional conducing polymer coated Na1+MnFe(CN)6 cathode for sodium-ion batteries with superior performance via a facile and one-step chemistry approach. Nano Energy, 2015, 13, 200-207.	8.2	165
96	Synthesis and Electrochemical Properties of LiFePO₄/C for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2015, 15, 2253-2257.	0.9	2
97	Ball-milled FeP/graphite as a low-cost anode material for the sodium-ion battery. RSC Advances, 2015, 5, 80536-80541.	1.7	52
98	3D Fe2(MoO4)3 microspheres with nanosheet constituents as high-capacity anode materials for lithium-ion batteries. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	18
99	Split-half-tubular polypyrrole@sulfur@polypyrrole composite with a novel three-layer-3D structure as cathode for lithium/sulfur batteries. Nano Energy, 2015, 11, 587-599.	8.2	128
100	Improving the electrochemical performance of the LiNi_{0.5}Mn_{1.5}O₄spinel by polypyrrole coating as a cathode material for the lithium-ion battery. Journal of Materials Chemistry A, 2015, 3, 404-411.	5.2	130
101	Uncovering a facile large-scale synthesis of LiNi1/3Co1/3Mn1/3O2 nanoflowers for high power lithium-ion batteries. Journal of Power Sources, 2015, 275, 200-206.	4.0	84
102	Facile synthesis of porous V2O3/C composites as lithium storage material with enhanced capacity and good rate capability. Journal of Power Sources, 2015, 275, 392-398.	4.0	48
103	Synthesis and Electrochemical Properties of Nano WO3/C Composite for Lithium-Ion Batteries. ECS Transactions, 2014, 62, 9-18.	0.3	4
104	The Mechanism of the Oneâ€Step Synthesis of Hollowâ€Structured Li₃VO₄ as an Anode for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2014, 20, 5608-5612.	1.7	38
105	Enhancing the High Rate Capability and Cycling Stability of LiMn₂O₄ by Coating of Solid-State Electrolyte LiNbO₃. ACS Applied Materials & Interfaces, 2014, 6, 22155-22165.	4.0	75
106	Tuning three-dimensional TiO2 nanotube electrode to achieve high utilization of Ti substrate for lithium storage. Electrochimica Acta, 2014, 133, 570-577.	2.6	36
107	A germanium/single-walled carbon nanotube composite paper as a free-standing anode for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 4613.	5.2	37
108	Microwave autoclave synthesized multi-layer graphene/single-walled carbon nanotube composites for free-standing lithium-ion battery anodes. Carbon, 2014, 66, 637-645.	5.4	49

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109	High performance pure sulfur honeycomb-like architectures synthesized by a cooperative self-assembly strategy for lithiumâ€“sulfur batteries. RSC Advances, 2014, 4, 36513-36516.	1.7	8
110	Highly oriented LiFePO4 thin film electrodes via chemical solution deposition. Solid State Ionics, 2014, 268, 117-124.	1.3	5
111	Reversible sodium storage via conversion reaction of a MoS₂â€“C composite. Chemical Communications, 2014, 50, 10730-10733.	2.2	105
112	Porous Ni0.5Zn0.5Fe2O4 Nanospheres: Synthesis, Characterization, and Application for Lithium Storage. Electrochimica Acta, 2014, 147, 143-150.	2.6	16
113	Sn_{4+x}P₃ @ Amorphous Snâ€P Composites as Anodes for Sodiumâ€Ion Batteries with Low Cost, High Capacity, Long Life, and Superior Rate Capability. Advanced Materials, 2014, 26, 4037-4042.	11.1	298
114	Rapid synthesis of Li4Ti5O12/graphene composite with superior rate capability by a microwave-assisted hydrothermal method. Nano Energy, 2014, 8, 297-304.	8.2	77
115	Hollow MnCo₂O₄ Submicrospheres with Multilevel Interiors: From Mesoporous Spheres to Yolk-in-Double-Shell Structures. ACS Applied Materials & Interfaces, 2014, 6, 24-30.	4.0	187
116	A solvothermal strategy: one-step in situ synthesis of self-assembled 3D graphene-based composites with enhanced lithium storage capacity. Journal of Materials Chemistry A, 2014, 2, 9200-9207.	5.2	56
117	Synthesis and Electrochemical Properties of LiNi1/3Co1/3Mn1/3O2 Cathode Material. Journal of Electronic Materials, 2014, 43, 3508-3513.	1.0	4
118	Small things make a big difference: binder effects on the performance of Li and Na batteries. Physical Chemistry Chemical Physics, 2014, 16, 20347-20359.	1.3	347
119	Synthesis and electrochemical properties of VO /C nanofiber composite for lithium ion battery application. Materials Letters, 2014, 117, 134-137.	1.3	8
120	Novel Germanium/Polypyrrole Composite for High Power Lithium-ion Batteries. Scientific Reports, 2014, 4, 6095.	1.6	63
121	In-situ One-step Hydrothermal Synthesis of a Lead Germanate-Graphene Composite as a Novel Anode Material for Lithium-Ion Batteries. Scientific Reports, 2014, 4, 7030.	1.6	16
122	Rapid synthesis of free-standing MoO3/Graphene films by the microwave hydrothermal method as cathode for bendable lithium batteries. Journal of Power Sources, 2013, 228, 198-205.	4.0	116
123	In situ one-step synthesis of a 3D nanostructured germaniumâ€“graphene composite and its application in lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 10798.	5.2	69
124	ZnO-doped LiFePO4 cathode material for lithium-ion battery fabricated by hydrothermal method. Materials Chemistry and Physics, 2013, 141, 835-841.	2.0	26
125	LiNi0.5Mn1.5O4 spinel cathode using room temperature ionic liquid as electrolyte. Electrochimica Acta, 2013, 101, 151-157.	2.6	37
126	Simple synthesis of yolk-shelled ZnCo2O4 microspheres towards enhancing the electrochemical performance of lithium-ion batteries in conjunction with a sodium carboxymethyl cellulose binder. Journal of Materials Chemistry A, 2013, 1, 15292.	5.2	151

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127	In-situ hydrothermal synthesis of graphene woven VO2 nanoribbons with improved cycling performance. Journal of Power Sources, 2013, 244, 684-689.	4.0	63
128	Hollow Structured Li₃VO₄ Wrapped with Graphene Nanosheets in Situ Prepared by a One-Pot Template-Free Method as an Anode for Lithium-Ion Batteries. Nano Letters, 2013, 13, 4715-4720.	4.5	303
129	Polypyrrole-coated Î±-LiFeO2 nanocomposite with enhanced electrochemical properties for lithium-ion batteries. Electrochimica Acta, 2013, 108, 820-826.	2.6	40
130	Development of MoS₂â€“CNT Composite Thin Film from Layered MoS₂ for Lithium Batteries. Advanced Energy Materials, 2013, 3, 798-805.	10.2	282
131	A hybrid electrolyte energy storage device with high energy and long life using lithium anode and MnO2 nanoflake cathode. Electrochemistry Communications, 2013, 31, 35-38.	2.3	24
132	Spinel LiNixMn2â^'xO4 as cathode material for aqueous rechargeable lithium batteries. Electrochimica Acta, 2013, 93, 301-306.	2.6	89
133	A Conductive Polypyrroleâ€Coated, Sulfurâ€“Carbon Nanotube Composite for Use in Lithiumâ€“Sulfur Batteries. ChemPlusChem, 2013, 78, 318-324.	1.3	57
134	Mesoporous hollow PtCu nanoparticles for electrocatalytic oxygen reduction reaction. Journal of Materials Chemistry A, 2013, 1, 2391.	5.2	81
135	Synthesis and Electrochemical Performance of Grapheneâ€like WS₂. Chemistry - A European Journal, 2013, 19, 5694-5700.	1.7	104
136	PdNi Hollow Nanoparticles for Improved Electrocatalytic Oxygen Reduction in Alkaline Environments. ACS Applied Materials & Interfaces, 2013, 5, 12708-12715.	4.0	108
137	Simply Mixed Commercial Red Phosphorus and Carbon Nanotube Composite with Exceptionally Reversible Sodium-Ion Storage. Nano Letters, 2013, 13, 5480-5484.	4.5	390
138	CuS Nanoflakes, Microspheres, Microflowers, and Nanowires: Synthesis and Lithium Storage Properties. Journal of Nanoscience and Nanotechnology, 2013, 13, 1309-1316.	0.9	17
139	MnO@Carbon Coreâ€“Shell Nanowires as Stable Highâ€Performance Anodes for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2013, 19, 11310-11319.	1.7	111
140	One-Step Spray Pyrolysis Synthesized CuO-Carbon Composite Combined with Carboxymethyl Cellulose Binder as Anode for Lithium-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2012, 12, 1314-1317.	0.9	4
141	Enhanced Cycling Performance of Nanocrystalline Fe₃O₄/C as Anode Material for Lithium-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2012, 12, 1246-1250.	0.9	3
142	Lithium storage in commercial MoS2 in different potential ranges. Electrochimica Acta, 2012, 81, 155-160.	2.6	175
143	Graphene wrapped LiFePO4/C composites as cathode materials for Li-ion batteries with enhanced rate capability. Journal of Materials Chemistry, 2012, 22, 16465.	6.7	206
144	Direct Evidence of Concurrent Solid-Solution and Two-Phase Reactions and the Nonequilibrium Structural Evolution of LiFePO₄. Journal of the American Chemical Society, 2012, 134, 7867-7873.	6.6	135

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