Xianhong Rui

List of Publications by Year
in descending order

151 papers	15,305 citations	13068 68 h-index	17546 121 g-index
156 all docs	156 docs citations	156 times ranked	14893 citing authors

#	Article	IF	Citations
1	Selfâ€Assembled VS₄ Hierarchitectures with Enhanced Capacity and Stability for Sodium Storage. Energy and Environmental Materials, 2022, 5, 592-598.	7.3	30
2	Pre-potassiated hydrated vanadium oxide as cathode for quasi-solid-state zinc-ion battery. Chinese Chemical Letters, 2022, 33, 2663-2668.	4.8	15
3	å±‚çŠ¶é''é…‚é'¾å°''ç"¨ä°Žé«˜æ€§èƒ½é«˜æ‚©é'ç¦»å"æ±. Science China Materials, 2022, 65, 646-652.	3.5	13
4	Structural Engineering in Graphiteâ€Based Metalâ€Ion Batteries. Advanced Functional Materials, 2022, 32, 2107277.	7.8	59
5	Homogeneous Na Deposition Enabling Highâ€Energy Naâ€Metal Batteries. Advanced Functional Materials, 2022, 32, 2110280.	7.8	38
6	Vanadiumâ€based metalâ€organic frameworks and their derivatives for electrochemical energy conversion and storage. SmartMat, 2022, 3, 384-416.	6.4	51
7	Artificial Heterogeneous Interphase Layer with Boosted Ion Affinity and Diffusion for Na/Kâ€Metal Batteries. Advanced Materials, 2022, 34, e2109439.	11.1	73
8	From vanadium slag to multi-cation-intercalated V₂O₅Â·nH₂O: low-cost direct synthesis and high-performance aqueous battery application. Journal of Materials Chemistry A, 2022, 10, 5479-5487.	5.2	19
9	Engineering of Crosslinked Network and Functional Interlayer to Boost Cathode Performance of Tannin for Potassium Metal Batteries. Advanced Functional Materials, 2022, 32, .	7.8	11
10	A Highâ€Efficiency Mo₂C Electrocatalyst Promoting the Polysulfide Redox Kinetics for Naâ€“S Batteries. Advanced Materials, 2022, 34, e2200479.	11.1	72
11	Ultrafast Lithiumâ€Ion Batteries with Longâ€Term Cycling Performance Based on Titanium Carbide/3D Interconnected Porous Carbon. ChemNanoMat, 2022, 8, .	1.5	6
12	Structure Engineering of Vanadium Tetrasulfides for Highâ€Capacity and Highâ€Rate Sodium Storage. Small, 2022, 18, e2107058.	5.2	17
13	Regulating the Electrolyte Solvation Structure Enables Ultralong Lifespan Vanadiumâ€Based Cathodes with Excellent Lowâ€Temperature Performance. Advanced Functional Materials, 2022, 32, .	7.8	56
14	An Openâ€Ended Ni₃S₂â€“Co₉S₈ Heterostructures Nanocage Anode with Enhanced Reaction Kinetics for Superior Potassiumâ€Ion Batteries. Advanced Materials, 2022, 34, e2201420.	11.1	68
15	Chemically Binding Vanadium Sulfide in Carbon Carriers to Boost Reaction Kinetics for Potassium Storage. ACS Applied Materials & Interfaces, 2022, 14, 22389-22397.	4.0	9
16	A sodiophilic VN interlayer stabilizing a Na metal anode. Nanoscale Horizons, 2022, 7, 899-907.	4.1	9
17	Rapid and reversible Na deposition onto Al nanosheet arrays. Journal of Energy Chemistry, 2022, , .	7.1	6
18	Recent advances of non-lithium metal anode materials for solid-state lithium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 16761-16778.	5.2	23

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19	Cuâ€“V bimetallic selenide with synergistic effect for high-rate and long-life sodium storage. Journal of Materials Research, 2022, 37, 3308-3317.	1.2	2
20	Vanadium Tetrasulfide for Nextâ€Generation Rechargeable Batteries: Advances and Challenges. Chemical Record, 2022, 22, .	2.9	7
21	Mesoporous carbon nanosheet-assembled flowers towards superior potassium storage. Chinese Chemical Letters, 2021, 32, 1161-1164.	4.8	35
22	Gallium-based anodes for alkali metal ion batteries. Journal of Energy Chemistry, 2021, 55, 557-571.	7.1	27
23	Carbonâ€based materials for allâ€solidâ€state zincâ€“air batteries. , 2021, 3, 50-65.		54
24	Vanadate-based electrodes for rechargeable batteries. Materials Chemistry Frontiers, 2021, 5, 1585-1609.	3.2	12
25	A Lowâ€Temperature Sodiumâ€Ion Full Battery: Superb Kinetics and Cycling Stability. Advanced Functional Materials, 2021, 31, 2009458.	7.8	77
26	Superior potassium and zinc storage in K-doped VO₂(B) spheres. Materials Chemistry Frontiers, 2021, 5, 3132-3138.	3.2	14
27	NASICON Electrodes: A Lowâ€Temperature Sodiumâ€Ion Full Battery: Superb Kinetics and Cycling Stability (Adv. Funct. Mater. 11/2021). Advanced Functional Materials, 2021, 31, 2170070.	7.8	1
28	Mechanical analysis of flexible integrated energy storage devices under bending by the finite element method. Science China Materials, 2021, 64, 2182-2192.	3.5	8
29	Fast and Reversible Na Intercalation in Nsutiteâ€Type VO 2 Hierarchitectures. Advanced Materials Interfaces, 2021, 8, 2100191.	1.9	2
30	Ultrafast Potassium Storage in F-Induced Ultra-High Edge-Defective Carbon Nanosheets. ACS Nano, 2021, 15, 10217-10227.	7.3	79
31	VS4/carbon nanotube hybrid: A high-rate anode for sodium-ion battery. Journal of Power Sources, 2021, 501, 230021.	4.0	27
32	Advances in metal phosphides for sodiumâ€ion batteries. SusMat, 2021, 1, 359-392.	7.8	109
33	A review of advanced separators for rechargeable batteries. Journal of Power Sources, 2021, 509, 230372.	4.0	57
34	Synergetic enhancement of sodium storage in gallium-based heterostructures. Nano Energy, 2021, 89, 106395.	8.2	15
35	Red Phosphorousâ€Derived Protective Layers with High Ionic Conductivity and Mechanical Strength on Dendriteâ€Free Sodium and Potassium Metal Anodes. Advanced Energy Materials, 2021, 11, 2003381.	10.2	102
36	A copper tetrathiovanadate anode for ultra-stable potassium-ion storage. Materials Chemistry Frontiers, 2021, 6, 63-70.	3.2	7

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37	An Efficient Strategy toward Multichambered Carbon Nanoboxes with Multiple Spatial Confinement for Advanced Sodiumâ€“Sulfur Batteries. ACS Nano, 2021, 15, 20607-20618.	7.3	38
38	3D porous V2O5 architectures for high-rate lithium storage. Journal of Energy Chemistry, 2020, 40, 15-21.	7.1	38
39	Metal Chalcogenides: Paving the Way for Highâ€Performance Sodium/Potassiumâ€Ion Batteries. Small Methods, 2020, 4, 1900563.	4.6	140
40	Superior wide-temperature lithium storage in a porous cobalt vanadate. Nano Research, 2020, 13, 1867-1874.	5.8	23
41	Freeâ€Standing Hydrated Sodium Vanadate Papers for Highâ€Stability Zincâ€Ion Batteries. Batteries and Supercaps, 2020, 3, 254-260.	2.4	26
42	Twoâ€Dimensional Germanium Sulfide Nanosheets as an Ultraâ€Stable and High Capacity Anode for Lithium Ion Batteries. Chemistry - A European Journal, 2020, 26, 6554-6560.	1.7	13
43	Metal Chalcogenides: Metal Chalcogenides: Paving the Way for Highâ€Performance Sodium/Potassiumâ€Ion Batteries (Small Methods 1/2020). Small Methods, 2020, 4, 2070002.	4.6	1
44	Topotactic Transformation Synthesis of 2D Ultrathin GeS₂ Nanosheets toward High-Rate and High-Energy-Density Sodium-Ion Half/Full Batteries. ACS Nano, 2020, 14, 531-540.	7.3	71
45	Rational design of vanadium chalcogenides for sodium-ion batteries. Journal of Power Sources, 2020, 478, 228769.	4.0	21
46	Pathways towards high energy aqueous rechargeable batteries. Coordination Chemistry Reviews, 2020, 424, 213521.	9.5	50
47	Architecting a Stable High-Energy Aqueous Al-Ion Battery. Journal of the American Chemical Society, 2020, 142, 15295-15304.	6.6	188
48	Vanadium-Based Materials: Next Generation Electrodes Powering the Battery Revolution?. Accounts of Chemical Research, 2020, 53, 1660-1671.	7.6	89
49	VOPO4â‹…2H2O: Large-Scale Synthesis and Zinc-Ion Storage Application. Frontiers in Energy Research, 2020, 8, .	1.2	18
50	VOPO4â‹…2H2O Nanosheet Cathode for Enhanced Sodium Storage. Frontiers in Energy Research, 2020, 8, .	1.2	8
51	Advances in K-Q (Qâ€¯=â€¯S, Se and Se S) batteries. Materials Today, 2020, 39, 9-22.	8.3	21
52	The Synergetic Effect of Lithium Bisoxalatodifluorophosphate and Fluoroethylene Carbonate on Dendrite Suppression for Fast Charging Lithium Metal Batteries. Small, 2020, 16, e2001989.	5.2	41
53	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. Nano-Micro Letters, 2020, 12, 67.	14.4	85
54	Development and challenge of advanced nonaqueous sodium ion batteries. EnergyChem, 2020, 2, 100031.	10.1	37

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55	A Longâ€Cycling Aqueous Zincâ€Ion Pouch Cell: NASICONâ€Type Material and Surface Modification. Chemistry - an Asian Journal, 2020, 15, 1430-1435.	1.7	21
56	Multiscale optimization of Li-ion diffusion in solid lithium metal batteries via ion conductive metalâ€“organic frameworks. Nanoscale, 2020, 12, 6976-6982.	2.8	28
57	Hybrid Cathodes Composed of K3V2(PO4)3 and Carbon Materials with Boosted Charge Transfer for K-Ion Batteries. Surfaces, 2020, 3, 1-10.	1.0	9
58	A Highâ€Temperature Naâ€Ion Battery: Boosting the Rate Capability and Cycle Life by Structure Engineering. Small, 2020, 16, e1906669.	5.2	37
59	Enhanced low-temperature sodium storage kinetics in a NaTi2(PO4)3@C nanocomposite. Journal of Power Sources, 2020, 477, 228735.	4.0	21
60	Embracing high performance potassium-ion batteries with phosphorus-based electrodes: a review. Nanoscale, 2019, 11, 15402-15417.	2.8	59
61	Pristine graphene for advanced electrochemical energy applications. Journal of Power Sources, 2019, 437, 226899.	4.0	31
62	Phosphorusâ€Dopingâ€Induced Surface Vacancies of 3D Na₂Ti₃O₇ Nanowire Arrays Enabling Highâ€Rate and Longâ€Life Sodium Storage. Chemistry - A European Journal, 2019, 25, 14881-14889.	1.7	19
63	Zinc ions pillared vanadate cathodes by chemical pre-intercalation towards long cycling life and low-temperature zinc ion batteries. Journal of Power Sources, 2019, 441, 227192.	4.0	112
64	Ultrafast flame growth of carbon nanotubes for high-rate sodium storage. Journal of Power Sources, 2019, 439, 227072.	4.0	25
65	Advanced cathodes for potassium-ion battery. Current Opinion in Electrochemistry, 2019, 18, 24-30.	2.5	40
66	Na₃V₂(PO₄)₃: an advanced cathode for sodium-ion batteries. Nanoscale, 2019, 11, 2556-2576.	2.8	227
67	Oxyvanite V₃O₅: A new intercalationâ€type anode for lithiumâ€ion battery. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 251-259.	8.5	117
68	Electrode Materials for Rechargeable Zinc-Ion and Zinc-Air Batteries: Current Status and Future Perspectives. Electrochemical Energy Reviews, 2019, 2, 395-427.	13.1	122
69	Hierarchically porous nanosheets-constructed 3D carbon network for ultrahigh-capacity supercapacitor and battery anode. Nanotechnology, 2019, 30, 214002.	1.3	12
70	Persistent zinc-ion storage in mass-produced V2O5 architectures. Nano Energy, 2019, 60, 171-178.	8.2	149
71	Peering into Alloy Anodes for Sodiumâ€Ion Batteries: Current Trends, Challenges, and Opportunities. Advanced Functional Materials, 2019, 29, 1808745.	7.8	209
72	Ni_{1.5}CoSe₅ nanocubes embedded in 3D dual N-doped carbon network as advanced anode material in sodium-ion full cells with superior low-temperature and high-power properties. Journal of Materials Chemistry A, 2018, 6, 22966-22975.	5.2	83

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73	Nanostructured Li₃V₂(PO₄)₃ Cathodes. Small, 2018, 14, e1800567.	5.2	85
74	Lithium-Ion Batteries: Nanostructured Li3 V2 (PO4)3 Cathodes (Small 21/2018). Small, 2018, 14, 1870095.	5.2	3
75	Double-Layer N,S-Codoped Carbon Protection of MnS Nanoparticles Enabling Ultralong-Life and High-Rate Lithium Ion Storage. ACS Applied Energy Materials, 2018, 1, 4867-4873.	2.5	22
76	Componentâ€Customizable Porous Rareâ€Earthâ€Based Colloidal Spheres towards Highly Effective Catalysts and Bioimaging Applications. Chemistry - A European Journal, 2017, 23, 16242-16248.	1.7	6
77	Integrated Charge Transfer in Li3V2(PO4)3/C for High-Power Li-Ion Batteries. International Journal of Electrochemical Science, 2017, , 9925-9932.	0.5	5
78	Wetâ€Chemical Processing of Phosphorus Composite Nanosheets for Highâ€Rate and Highâ€Capacity Lithiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1502409.	10.2	211
79	Recent advances in nanostructured Nb-based oxides for electrochemical energy storage. Nanoscale, 2016, 8, 8443-8465.	2.8	172
80	Ultrafine Nb₂O₅ Nanocrystal Coating on Reduced Graphene Oxide as Anode Material for High Performance Sodium Ion Battery. ACS Applied Materials & Interfaces, 2016, 8, 22213-22219.	4.0	108
81	Conductive Inks Based on a Lithium Titanate Nanotube Gel for Highâ€Rate Lithiumâ€Ion Batteries with Customized Configuration. Advanced Materials, 2016, 28, 1567-1576.	11.1	178
82	Novel Conjugated Ladder-Structured Oligomer Anode with High Lithium Storage and Long Cycling Capability. ACS Applied Materials & Interfaces, 2016, 8, 16932-16938.	4.0	64
83	Biochemistry-derived porous carbon-encapsulated metal oxide nanocrystals for enhanced sodium storage. Nano Energy, 2016, 21, 71-79.	8.2	49
84	Bismuth sulfide: A high-capacity anode for sodium-ion batteries. Journal of Power Sources, 2016, 309, 135-140.	4.0	122
85	Ambient dissolutionâ€“recrystallization towards large-scale preparation of V2O5 nanobelts for high-energy battery applications. Nano Energy, 2016, 22, 583-593.	8.2	112
86	Energy Storage: Oneâ€Pot Synthesis of Tunable Crystalline Ni₃S₄@Amorphous MoS₂ Core/Shell Nanospheres for Highâ€Performance Supercapacitors (Small 30/2015). Small, 2015, 11, 3720-3720.	5.2	3
87	Reduced Graphene Oxideâ€Wrapped MoO₃ Composites Prepared by Using Metalâ€Organic Frameworks as Precursor for Allâ€Solidâ€State Flexible Supercapacitors. Advanced Materials, 2015, 27, 4695-4701.	11.1	388
88	Vanadium Pentoxideâ€Based Cathode Materials for Lithiumâ€Ion Batteries: Morphology Control, Carbon Hybridization, and Cation Doping. Particle and Particle Systems Characterization, 2015, 32, 276-294.	1.2	69
89	Nanostructured Conjugated Ladder Polymers for Stable and Fast Lithium Storage Anodes with Highâ€Capacity. Advanced Energy Materials, 2015, 5, 1402189.	10.2	253
90	MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. Journal of Materials Chemistry A, 2015, 3, 8483-8488.	5.2	178

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91	Vanadium-based nanostructure materials for secondary lithium battery applications. Nanoscale, 2015, 7, 14595-14607.	2.8	93
92	Few-layered Ni(OH)2 nanosheets for high-performance supercapacitors. Journal of Power Sources, 2015, 295, 323-328.	4.0	180
93	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. ACS Nano, 2015, 9, 4628-4635.	7.3	102
94	Oneâ€Pot Synthesis of Tunable Crystalline Ni₃S₄@Amorphous MoS₂ Core/Shell Nanospheres for Highâ€Performance Supercapacitors. Small, 2015, 11, 3694-3702.	5.2	243
95	Pushing Up Lithium Storage through Nanostructured Polyazaacene Analogues as Anode. Angewandte Chemie - International Edition, 2015, 54, 7354-7358.	7.2	234
96	Inâ€Situ Formation of Hollow Hybrids Composed of Cobalt Sulfides Embedded within Porous Carbon Polyhedra/Carbon Nanotubes for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Materials, 2015, 27, 3038-3044.	11.1	620
97	An Advanced Sodiumâ€Ion Battery Composed of Carbon Coated Na₃V₂(PO₄)₃ in a Porous Graphene Network. Advanced Materials, 2015, 27, 6670-6676.	11.1	448
98	Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. ACS Nano, 2015, 9, 11371-11381.	7.3	257
99	Liquidâ€Phase Epitaxial Growth of Twoâ€Dimensional Semiconductor Heteroâ€nanostructures. Angewandte Chemie - International Edition, 2015, 54, 1841-1845.	7.2	88
100	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. Journal of Power Sources, 2015, 274, 755-761.	4.0	114
101	Microemulsionâ€Assisted Synthesis of Nanosized Liï£¿Mnï£¿O Spinel Cathodes for Highâ€Rate Lithiumâ€Ion Batteries. ChemPlusChem, 2014, 79, 1794-1798.	1.3	1
102	Growth of Si nanowires in porous carbon with enhanced cycling stability for Li-ion storage. Journal of Power Sources, 2014, 250, 160-165.	4.0	20
103	Aqueous-Based Chemical Route toward Ambient Preparation of Multicomponent Coreâ€“Shell Nanotubes. ACS Nano, 2014, 8, 4004-4014.	7.3	37
104	Li3V2(PO4)3 cathode materials for lithium-ion batteries: A review. Journal of Power Sources, 2014, 258, 19-38.	4.0	284
105	Solvothermal synthesis of pyrite FeS₂nanocubes and their superior high rate lithium storage properties. RSC Advances, 2014, 4, 48770-48776.	1.7	51
106	Integrated Charge Transfer in Colloidal Cuâ€“MnO Heterostructures for High-Performance Lithium Ion Batteries. Journal of Physical Chemistry C, 2014, 118, 17452-17460.	1.5	12
107	Platinum and Palladium Nanotubes Based on Genetically Engineered Elastinâ€“Mimetic Fusion Proteinâ€Fiber Templates: Synthesis and Application in Lithiumâ€O₂ Batteries. Chemistry - an Asian Journal, 2014, 9, 2555-2559.	1.7	8
108	Synthesis of Twoâ€Dimensional Transitionâ€Metal Phosphates with Highly Ordered Mesoporous Structures for Lithiumâ€Ion Battery Applications. Angewandte Chemie - International Edition, 2014, 53, 9352-9355.	7.2	128

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109	Nanostructured metal sulfides for energy storage. Nanoscale, 2014, 6, 9889-9924.	2.8	888
110	Metal Oxideâ€Coated Threeâ€Dimensional Graphene Prepared by the Use of Metalâ€“Organic Frameworks as Precursors. Angewandte Chemie - International Edition, 2014, 53, 1404-1409.	7.2	287
111	Hierarchically porous three-dimensional electrodes of CoMoO₄and ZnCo₂O₄and their high anode performance for lithium ion batteries. Nanoscale, 2014, 6, 10556.	2.8	77
112	Zeolitic Imidazolate Framework 67â€Derived High Symmetric Porous Co₃O₄ Hollow Dodecahedra with Highly Enhanced Lithium Storage Capability. Small, 2014, 10, 1932-1938.	5.2	442
113	Functionalized single-walled carbon nanotubes with enhanced electrocatalytic activity for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Br</mml:mtext></mml:mrow><mml:mrow><mml:mo>-</mml redox reactions in van. Carbon, 2013, 64, 464-471.	5.4	45
114	Synthesis of Cobalt Phosphides and Their Application as Anodes for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 1093-1099.	4.0	178
115	Amorphous Iron Oxyhydroxide Nanosheets: Synthesis, Li Storage, and Conversion Reaction Kinetics. Journal of Physical Chemistry C, 2013, 117, 17462-17469.	1.5	27
116	High-Performance Supercapacitor Electrodes Based on Graphene Achieved by Thermal Treatment with the Aid of Nitric Acid. ACS Applied Materials & Interfaces, 2013, 5, 9656-9662.	4.0	87
117	Fe3O4 nanoparticle chains with N-doped carbon coating: magnetotactic bacteria assisted synthesis and high-rate lithium storage. RSC Advances, 2013, 3, 14960.	1.7	21
118	Rapid fabrication of a novel Snâ€“Ge alloy: structureâ€“property relationship and its enhanced lithium storage properties. Journal of Materials Chemistry A, 2013, 1, 14577.	5.2	47
119	Template-free synthesis of urchin-like Co3O4 hollow spheres with good lithium storage properties. Journal of Power Sources, 2013, 222, 97-102.	4.0	128
120	Vanadium pentoxide cathode materials for high-performance lithium-ion batteries enabled by a hierarchical nanoflower structure via an electrochemical process. Journal of Materials Chemistry A, 2013, 1, 82-88.	5.2	138
121	A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS2 nanoplates for high-performance lithium-ion batteries. Nanoscale, 2013, 5, 1456.	2.8	177
122	Ultrathin V₂O₅nanosheet cathodes: realizing ultrafast reversible lithium storage. Nanoscale, 2013, 5, 556-560.	2.8	236
123	Facile Preparation of Ordered Porous Grapheneâ€“Metal Oxide@C Binderâ€Free Electrodes with High Li Storage Performance. Small, 2013, 9, 3390-3397.	5.2	62
124	Controlled Synthesis of Manganese Oxyhydroxide Nanotubes: Implications for Highâ€Efficiency Supercapacitors. ChemPlusChem, 2013, 78, 554-560.	1.3	10
125	Preparation of MoS₂â€Coated Threeâ€Dimensional Graphene Networks for Highâ€Performance Anode Material in Lithiumâ€Ion Batteries. Small, 2013, 9, 3433-3438.	5.2	542
126	Oriented Molecular Attachments Through Solâ€“Gel Chemistry for Synthesis of Ultrathin Hydrated Vanadium Pentoxide Nanosheets and Their Applications. Small, 2013, 9, 716-721.	5.2	67

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127	Synthesis of Singleâ€Crystalline LiMn₂O₄ and LiMn_{1.5}Ni_{0.5}O₄ Nanocrystals and Their Lithium Storage Properties. ChemPlusChem, 2013, 78, 218-221.	1.3	14
128	Olivine-Type Nanosheets for Lithium Ion Battery Cathodes. ACS Nano, 2013, 7, 5637-5646.	7.3	210
129	Cu doped V2O5 flowers as cathode material for high-performance lithium ion batteries. Nanoscale, 2013, 5, 4937.	2.8	161
130	Design of Nanostructured Hybrid Materials Based on Carbon and Metal Oxides for Li Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 26685-26693.	1.5	77
131	Oxidation-Etching Preparation of MnO₂ Tubular Nanostructures for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2012, 4, 2769-2774.	4.0	139
132	Direct growth of FeVO4 nanosheet arrays on stainless steel foil as high-performance binder-free Li ion battery anode. RSC Advances, 2012, 2, 3630.	1.7	91
133	One-pot synthesis of carbon-coated VO₂(B) nanobelts for high-rate lithium storage. RSC Advances, 2012, 2, 1174-1180.	1.7	81
134	Li3V2(PO4)3 nanocrystals embedded in a nanoporous carbon matrix supported on reduced graphene oxide sheets: Binder-free and high rate cathode material for lithium-ion batteries. Journal of Power Sources, 2012, 214, 171-177.	4.0	112
135	Controlled Soft-Template Synthesis of Ultrathin C@FeS Nanosheets with High-Li-Storage Performance. ACS Nano, 2012, 6, 4713-4721.	7.3	293
136	Synthesis of hexagonal-symmetry Î±-iron oxyhydroxide crystals using reduced graphene oxide as a surfactant and their Li storage properties. CrystEngComm, 2012, 14, 147-153.	1.3	49
137	Graphene oxide nanosheets/polymer binders as superior electrocatalytic materials for vanadium bromide redox flow batteries. Electrochimica Acta, 2012, 85, 175-181.	2.6	38
138	A facile approach toward transition metal oxide hierarchical structures and their lithium storage properties. Nanoscale, 2012, 4, 3718.	2.8	58
139	Controlled Synthesis of Carbon-Coated Cobalt Sulfide Nanostructures in Oil Phase with Enhanced Li Storage Performances. ACS Applied Materials & Interfaces, 2012, 4, 2999-3006.	4.0	137
140	Palladium nanoparticles supported on manganese oxideâ€“CNT composites for solvent-free aerobic oxidation of alcohols: Tuning the properties of Pd active sites using MnOx. Applied Catalysis B: Environmental, 2012, 119-120, 166-174.	10.8	55
141	Cooperative enhancement of capacities in nanostructured SnSb/carbon nanotube network nanocomposite as anode for lithium ion batteries. Journal of Power Sources, 2012, 201, 288-293.	4.0	38
142	Germanium nanowires-based carbon composite as anodes for lithium-ion batteries. Journal of Power Sources, 2012, 206, 253-258.	4.0	105
143	Facile preparation of hydrated vanadium pentoxide nanobelts based bulky paper as flexible binder-free cathodes for high-performance lithium ion batteries. RSC Advances, 2011, 1, 117.	1.7	82
144	Reduced graphene oxide supported highly porous V2O5 spheres as a high-power cathode material for lithium ion batteries. Nanoscale, 2011, 3, 4752.	2.8	155

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145	Li3V2(PO4)3/C composite as an intercalation-type anode material for lithium-ion batteries. Journal of Power Sources, 2011, 196, 2279-2282.	4.0	79
146	A comparative study on the low-temperature performance of LiFePO4/C and Li3V2(PO4)3/C cathodes for lithium-ion batteries. Journal of Power Sources, 2011, 196, 2109-2114.	4.0	209
147	V2O3 modified LiFePO4/C composite with improved electrochemical performance. Journal of Power Sources, 2011, 196, 5623-5630.	4.0	91
148	Determination of the chemical diffusion coefficient of Li+ in intercalation-type Li3V2(PO4)3 anode material. Solid State Ionics, 2011, 187, 58-63.	1.3	151
149	Analysis of the chemical diffusion coefficient of lithium ions in Li3V2(PO4)3 cathode material. Electrochimica Acta, 2010, 55, 2384-2390.	2.6	574
150	The Li3V2(PO4)3/C composites with high-rate capability prepared by a maltose-based solâ€“gel route. Electrochimica Acta, 2010, 55, 6761-6767.	2.6	92
151	Synthesis and characterization of carbon-coated Li3V2(PO4)3 cathode materials with different carbon sources. Electrochimica Acta, 2009, 54, 3374-3380.	2.6	195