Xianluo Hu

List of Publications by Year
in descending order

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		8159	7333
208	24,277	76	152
papers	citations	h-index	g-index

211	211	211	23948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrogenâ€Doped Porous Carbon Nanofiber Webs as Anodes for Lithium Ion Batteries with a Superhigh Capacity and Rate Capability. Advanced Materials, 2012, 24, 2047-2050.	11.1	1,541
2	Development and challenges of LiFePO₄cathode material for lithium-ion batteries. Energy and Environmental Science, 2011, 4, 269-284.	15.6	1,058
3	Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors. Energy and Environmental Science, 2013, 6, 2497.	15.6	1,053
4	Na+ intercalation pseudocapacitance in graphene-coupled titanium oxide enabling ultra-fast sodium storage and long-term cycling. Nature Communications, 2015, 6, 6929.	5.8	969
5	Reconstruction of Conformal Nanoscale MnO on Graphene as a Highâ€Capacity and Longâ€Life Anode Material for Lithium Ion Batteries. Advanced Functional Materials, 2013, 23, 2436-2444.	7.8	770
6	MOFâ€Derived Porous ZnO/ZnFe₂O₄/C Octahedra with Hollow Interiors for Highâ€Rate Lithiumâ€Ion Batteries. Advanced Materials, 2014, 26, 6622-6628.	11.1	703
7	Self-Assembled Hierarchical MoO₂/Graphene Nanoarchitectures and Their Application as a High-Performance Anode Material for Lithium-Ion Batteries. ACS Nano, 2011, 5, 7100-7107.	7.3	611
8	Î±â€Fe₂O₃ Nanorings Prepared by a Microwaveâ€Assisted Hydrothermal Process and Their Sensing Properties. Advanced Materials, 2007, 19, 2324-2329.	11.1	602
9	Nanostructured Mo-based electrode materials for electrochemical energy storage. Chemical Society Reviews, 2015, 44, 2376-2404.	18.7	599
10	Functionalized N-doped interconnected carbon nanofibers as an anode material for sodium-ion storage with excellent performance. Carbon, 2013, 55, 328-334.	5.4	589
11	Microwave-Assisted Synthesis of Single-Crystalline Tellurium Nanorods and Nanowires in Ionic Liquids. Angewandte Chemie - International Edition, 2004, 43, 1410-1414.	7.2	508
12	Flexible Asymmetric Microâ€Supercapacitors Based on Bi₂O₃ and MnO₂ Nanoflowers: Larger Areal Mass Promises Higher Energy Density. Advanced Energy Materials, 2015, 5, 1401882.	10.2	479
13	Design, Fabrication, and Modification of Nanostructured Semiconductor Materials for Environmental and Energy Applications. Langmuir, 2010, 26, 3031-3039.	1.6	464
14	Electrospun porous ZnCo2O4 nanotubes as a high-performance anode material for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 8916.	6.7	328
15	Constructing Hierarchical Tectorumâ€like Î±â€Fe₂O₃/PPy Nanoarrays on Carbon Cloth for Solidâ€State Asymmetric Supercapacitors. Angewandte Chemie - International Edition, 2017, 56, 1105-1110.	7.2	317
16	Î²-Nickel Hydroxide Nanosheets and Their Thermal Decomposition to Nickel Oxide Nanosheets. Journal of Physical Chemistry B, 2004, 108, 3488-3491.	1.2	305
17	A Bamboo-Inspired Nanostructure Design for Flexible, Foldable, and Twistable Energy Storage Devices. Nano Letters, 2015, 15, 3899-3906.	4.5	296
18	Flexible, Highâ€Wettability and Fireâ€Resistant Separators Based on Hydroxyapatite Nanowires for Advanced Lithiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1703548.	11.1	272

#	Article	IF	Citations
19	Sonochemical and microwave-assisted synthesis of linked single-crystalline ZnO rods. Materials Chemistry and Physics, 2004, 88, 421-426.	2.0	259
20	Flexible Membranes of MoS2/C Nanofibers by Electrospinning as Binder-Free Anodes for High-Performance Sodium-Ion Batteries. Scientific Reports, 2015, 5, 9254.	1.6	255
21	Sodium storage in Na-rich Na x FeFe(CN) 6 nanocubes. Nano Energy, 2015, 12, 386-393.	8.2	253
22	Continuous Aspectâ€Ratio Tuning and Fine Shape Control of Monodisperse Î±â€Fe₂O₃ Nanocrystals by a Programmed Microwaveâ€“Hydrothermal Method. Advanced Functional Materials, 2008, 18, 880-887.	7.8	246
23	Morphosynthesis of a hierarchical MoO2 nanoarchitecture as a binder-free anode for lithium-ion batteries. Energy and Environmental Science, 2011, 4, 2870.	15.6	245
24	Efficient Removal of Heavy Metal Ions from Aqueous Systems with the Assembly of Anisotropic Layered Double Hydroxide Nanocrystals@Carbon Nanosphere. Environmental Science & Technology, 2011, 45, 6181-6187.	4.6	243
25	Continuous Size Tuning of Monodisperse ZnO Colloidal Nanocrystal Clusters by a Microwaveâ€Polyol Process and Their Application for Humidity Sensing. Advanced Materials, 2008, 20, 4845-4850.	11.1	242
26	Emergent Pseudocapacitance of 2D Nanomaterials. Advanced Energy Materials, 2018, 8, 1702930.	10.2	226
27	Stripping Voltammetric Detection of Mercury(II) Based on a Bimetallic Auâ^'Pt Inorganicâ^'Organic Hybrid Nanocomposite Modified Glassy Carbon Electrode. Analytical Chemistry, 2010, 82, 567-573.	3.2	213
28	Enhanced Cyclability for Sulfur Cathode Achieved by a Water-Soluble Binder. Journal of Physical Chemistry C, 2011, 115, 15703-15709.	1.5	201
29	Flexible Quasiâ€Solidâ€State Sodiumâ€Ion Capacitors Developed Using 2D Metalâ€“Organicâ€Framework Array as Reactor. Advanced Energy Materials, 2018, 8, 1702769.	10.2	195
30	Flexible fiber-shaped supercapacitors based on hierarchically nanostructured composite electrodes. Nano Research, 2015, 8, 1148-1158.	5.8	188
31	A Green and Facile Way to Prepare Granadillaâ€Like Siliconâ€Based Anode Materials for Liâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 440-446.	7.8	187
32	Flexible and Binderâ€Free Electrodes of Sb/rGO and Na₃V₂(PO₄)₃/rGO Nanocomposites for Sodiumâ€Ion Batteries. Small, 2015, 11, 3822-3829.	5.2	184
33	Ultrafine MoO₂nanoparticles embedded in a carbon matrix as a high-capacity and long-life anode for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 425-431.	6.7	175
34	Bi4Ti3O12 nanofibersâ€“BiOI nanosheets pâ€“n junction: facile synthesis and enhanced visible-light photocatalytic activity. Nanoscale, 2013, 5, 9764.	2.8	174
35	Conformal Conducting Polymer Shells on V₂O₅ Nanosheet Arrays as a Highâ€Rate and Stable Zincâ€Ion Battery Cathode. Advanced Materials Interfaces, 2019, 6, 1801506.	1.9	170
36	Highly porous Li 4 Ti 5 O 12 /C nanofibers for ultrafast electrochemical energy storage. Nano Energy, 2014, 10, 163-171.	8.2	165

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37	Controlled Synthesis of Mesoporous MnO/C Networks by Microwave Irradiation and Their Enhanced Lithium-Storage Properties. ACS Applied Materials & Interfaces, 2013, 5, 1997-2003.	4.0	162
38	Assembly of NiO/Ni(OH)₂/PEDOT Nanocomposites on Contra Wires for Fiber-Shaped Flexible Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 1774-1779.	4.0	157
39	Ultrathin CoO/Graphene Hybrid Nanosheets: A Highly Stable Anode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 20794-20799.	1.5	154
40	Porous carbon-modified MnO disks prepared by a microwave-polyol process and their superior lithium-ion storage properties. Journal of Materials Chemistry, 2012, 22, 19190.	6.7	150
41	Superior lithium storage performance in nanoscaled MnO promoted by N-doped carbon webs. Nano Energy, 2013, 2, 412-418.	8.2	145
42	Synthesis of porous Bi4Ti3O12 nanofibers by electrospinning and their enhanced visible-light-driven photocatalytic properties. Nanoscale, 2013, 5, 2028.	2.8	143
43	Self-wrapped Sb/C nanocomposite as anode material for High-performance sodium-ion batteries. Nano Energy, 2015, 16, 479-487.	8.2	141
44	Fast Production of Self-Assembled Hierarchical Î±-Fe₂O₃ Nanoarchitectures. Journal of Physical Chemistry C, 2007, 111, 11180-11185.	1.5	140
45	Photochromism of WO3 Colloids Combined with TiO2 Nanoparticles. Journal of Physical Chemistry B, 2002, 106, 12670-12676.	1.2	138
46	High-performance aqueous sodium-ion batteries with K0.27MnO2 cathode and their sodium storage mechanism. Nano Energy, 2014, 5, 97-104.	8.2	138
47	SiO₂â€Enhanced Structural Stability and Strong Adhesion with a New Binder of Konjac Glucomannan Enables Stable Cycling of Silicon Anodes for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1800434.	10.2	135
48	Coral-like Î±-MnS composites with N-doped carbon as anode materials for high-performance lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 24026.	6.7	134
49	Encapsulation of MnO Nanocrystals in Electrospun Carbon Nanofibers as High-Performance Anode Materials for Lithium-Ion Batteries. Scientific Reports, 2014, 4, 4229.	1.6	131
50	Nanostructured Ti-based anode materials for Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 12001-12013.	5.2	129
51	Layer-by-layer assembled MoO2â€“graphene thin film as a high-capacity and binder-free anode for lithium-ion batteries. Nanoscale, 2012, 4, 4707.	2.8	127
52	A SnO2@carbon nanocluster anode material with superior cyclability and rate capability for lithium-ion batteries. Nanoscale, 2013, 5, 3298.	2.8	125
53	Rapid Mass Production of Hierarchically Porous ZnIn2S4Submicrospheres via a Microwave-Solvothermal Process. Crystal Growth and Design, 2007, 7, 2444-2448.	1.4	122
54	Self-assembled mesoporous CoO nanodisks as a long-life anode material for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 13826.	6.7	119

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55	An ordered cubic Im3m mesoporous Crâ€“TiO2visible light photocatalyst. Chemical Communications, 2006, , 2717-2719.	2.2	117
56	Synthesis of hierarchical MoS₂ and its electrochemical performance as an anode material for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 3498-3504.	5.2	117
57	Effect of Vanadium Incorporation on Electrochemical Performance of LiFePO₄ for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2011, 115, 13520-13527.	1.5	114
58	Ultrahighâ€Capacity and Fireâ€Resistant LiFePO₄â€Based Composite Cathodes for Advanced Lithiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1802930.	10.2	114
59	Electrospinning of carbon-coated MoO2 nanofibers with enhanced lithium-storage properties. Physical Chemistry Chemical Physics, 2011, 13, 16735.	1.3	113
60	Conformal N-doped carbon on nanoporous TiO2 spheres as a high-performance anode material for lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 10375.	5.2	113
61	Mesoporeâ€Induced Ultrafast Na⁺â€Storage in Tâ€Nb₂O₅/Carbon Nanofiber Films toward Flexible Highâ€Power Naâ€Ion Capacitors. Small, 2019, 15, e1804539.	5.2	109
62	Recent Advances in Porous Carbon Materials for Electrochemical Energy Storage. Chemistry - an Asian Journal, 2018, 13, 1518-1529.	1.7	108
63	Electrospun sillenite Bi12MO20 (M = Ti, Ge, Si) nanofibers: general synthesis, band structure, and photocatalytic activity. Physical Chemistry Chemical Physics, 2013, 15, 20698.	1.3	106
64	Thermoregulating Separators Based on Phaseâ€Change Materials for Safe Lithiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2008088.	11.1	106
65	Safer Lithiumâ€Ion Batteries from the Separator Aspect: Development and Future Perspectives. Energy and Environmental Materials, 2021, 4, 336-362.	7.3	104
66	Metalâ€“Organic Framework Derived ZnO/ZnFe₂O₄/C Nanocages as Stable Cathode Material for Reversible Lithiumâ€“Oxygen Batteries. ACS Applied Materials & Interfaces, 2015, 7, 4947-4954.	4.0	103
67	Morphology Control of PbWO4 Nano- and Microcrystals via a Simple, Seedless, and High-Yield Wet Chemical Route. Langmuir, 2004, 20, 1521-1523.	1.6	98
68	In Operando Mechanism Analysis on Nanocrystalline Silicon Anode Material for Reversible and Ultrafast Sodium Storage. Advanced Materials, 2017, 29, 1604708.	11.1	95
69	High-Yield Synthesis of Nickel and Nickel Phosphide Nanowires via Microwave-Assisted Processes. Chemistry of Materials, 2008, 20, 6743-6749.	3.2	93
70	Facile synthesis of sandwiched Zn₂GeO₄â€“graphene oxide nanocomposite as a stable and high-capacity anode for lithium-ion batteries. Nanoscale, 2014, 6, 924-930.	2.8	90
71	Urchin-Like Ni_{1/3}Co_{2/3}(CO₃)_{1/2}(OH)Â·0.11H₂O for Ultrahigh-Rate Electrochemical Supercapacitors: Structural Evolution from Solid to Hollow. ACS Applied Materials & Interfaces, 2017, 9, 40655-40670.	4.0	84
72	Microwaveâ€Induced Inâ€…Situ Synthesis of Zn₂GeO₄/Nâ€Doped Graphene Nanocomposites and Their Lithiumâ€Storage Properties. Chemistry - A European Journal, 2013, 19, 6027-6033.	1.7	83

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73	Highly Tough, Liâ€Metal Compatible Organicâ€“Inorganic Doubleâ€Network Solvate Ionogel. Advanced Energy Materials, 2019, 9, 1900257.	10.2	82
74	Coupling of bowl-like VS2 nanosheet arrays and carbon nanofiber enables ultrafast Na+-Storage and robust flexibility for sodium-ion hybrid capacitors. Energy Storage Materials, 2020, 28, 91-100.	9.5	82
75	Constructing Hierarchical Tectorumâ€like Îâ€Fe₂O₃/PPy Nanoarrays on Carbon Cloth for Solidâ€State Asymmetric Supercapacitors. Angewandte Chemie, 2017, 129, 1125-1130.	1.6	81
76	Controllable growth of TiO2-B nanosheet arrays on carbon nanotubes as a high-rate anode material for lithium-ion batteries. Carbon, 2014, 69, 302-310.	5.4	79
77	Si-containing precursors for Si-based anode materials of Li-ion batteries: A review. Energy Storage Materials, 2016, 4, 92-102.	9.5	79
78	Insight into the improvement of rate capability and cyclability in LiFePO4/polyaniline composite cathode. Electrochimica Acta, 2011, 56, 2689-2695.	2.6	77
79	Generalized Low-Temperature Synthesis of Nanocrystalline Rare-Earth Orthoferrites LnFeO₃ (Ln = La, Pr, Nd, Sm, Eu, Gd). Crystal Growth and Design, 2008, 8, 2061-2065.	1.4	74
80	Facile fabrication of CuO nanosheets on Cu substrate as anode materials for electrochemical energy storage. Journal of Alloys and Compounds, 2014, 586, 208-215.	2.8	74
81	Enhanced electrochemical performance of LiNi 0.8 Co 0.15 Al 0.05 O 2 by nanoscale surface modification with Co 3 O 4. Electrochimica Acta, 2017, 231, 294-299.	2.6	74
82	Thermotolerant separators for safe lithium-ion batteries under extreme conditions. Journal of Materials Chemistry A, 2020, 8, 20294-20317.	5.2	71
83	Hollow 0.3Li2MnO3Â·0.7LiNi0.5Mn0.5O2 microspheres as a high-performance cathode material for lithiumâ€“ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 2954.	1.3	70
84	Mo₂C-induced solid-phase synthesis of ultrathin MoS₂ nanosheet arrays on bagasse-derived porous carbon frameworks for high-energy hybrid sodium-ion capacitors. Journal of Materials Chemistry A, 2018, 6, 14742-14751.	5.2	69
85	Synthesis and Characterization of Core-Shell Selenium/Carbon Colloids and Hollow Carbon Capsules. Chemistry - A European Journal, 2006, 12, 548-552.	1.7	66
86	A Si/C nanocomposite anode by ball milling for highly reversible sodium storage. Electrochemistry Communications, 2016, 70, 8-12.	2.3	66
87	Self-Assembling Hollow Carbon Nanobeads into Double-Shell Microspheres as a Hierarchical Sulfur Host for Sustainable Room-Temperature Sodiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 20422-20428.	4.0	65
88	Symmetric Electrodes for Electrochemical Energyâ€Storage Devices. Advanced Science, 2016, 3, 1600115.	5.6	64
89	Lattice softening enables highly reversible sodium storage in anti-pulverization Biâ€“Sb alloy/carbon nanofibers. Energy Storage Materials, 2020, 27, 270-278.	9.5	64
90	VO2/TiO2 Nanosponges as Binder-Free Electrodes for High-Performance Supercapacitors. Scientific Reports, 2015, 5, 16012.	1.6	63

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91	Facile fabrication of porous Cr-doped SrTiO₃ nanotubes by electrospinning and their enhanced visible-light-driven photocatalytic properties. Journal of Materials Chemistry A, 2015, 3, 3935-3943.	5.2	62
92	Surface modification of electrospun TiO2 nanofibers via layer-by-layer self-assembly for high-performance lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 4910.	6.7	60
93	Li4Ti5O12 nanocrystallites for high-rate lithium-ion batteries synthesized by a rapid microwave-assisted solid-state process. Electrochimica Acta, 2012, 63, 118-123.	2.6	60
94	Ultrafast Na+-storage in TiO2-coated MoS2@N-doped carbon for high-energy sodium-ion hybrid capacitors. Energy Storage Materials, 2019, 23, 95-104.	9.5	59
95	Holey Graphene for Electrochemical Energy Storage. Cell Reports Physical Science, 2020, 1, 100215.	2.8	58
96	Adsorption of heavy metal ions by hierarchically structured magnetite-carbonaceous spheres. Talanta, 2012, 101, 45-52.	2.9	57
97	Controlled Hydrothermal Synthesis and Growth Mechanism of Various Nanostructured Films of Copper and Silver Tellurides. Chemistry - A European Journal, 2006, 12, 4185-4190.	1.7	55
98	Microwave-polyol Preparation of Single-crystalline Gold Nanorods and Nanowires. Chemistry Letters, 2003, 32, 1140-1141.	0.7	53
99	TiO₂â€“B Nanosheets/Anatase Nanocrystals Coâ€Anchored on Nanoporous Graphene: In Situ Reductionâ€“Hydrolysis Synthesis and Their Superior Rate Performance as an Anode Material. Chemistry - A European Journal, 2014, 20, 1383-1388.	1.7	53
100	Microwaveâ€Assisted Rapid Synthesis of Selfâ€Assembled Tâ€Nb₂O₅ Nanowires for Highâ€Energy Hybrid Supercapacitors. Chemistry - A European Journal, 2017, 23, 4203-4209.	1.7	53
101	Synthesis of Amorphous FeOOH/Reduced Graphene Oxide Composite by Infrared Irradiation and Its Superior Lithium Storage Performance. ACS Applied Materials & Interfaces, 2013, 5, 10145-10150.	4.0	52
102	Topâ€Down Synthesis of Silicon/Carbon Composite Anode Materials for Lithiumâ€Ion Batteries: Mechanical Milling and Etching. ChemSusChem, 2020, 13, 1923-1946.	3.6	52
103	Fabricating strongly coupled V2O5@PEDOT nanobelts/graphene hybrid films with high areal capacitance and facile transferability for transparent solid-state supercapacitors. Energy Storage Materials, 2020, 27, 150-158.	9.5	52
104	Microwave-assisted synthesis and in-situ self-assembly of coaxial Ag/C nanocables. Chemical Communications, 2005, , 2704.	2.2	50
105	Hierarchical self-assembly of Mn2Mo3O8â€“graphene nanostructures and their enhanced lithium-storage properties. Journal of Materials Chemistry, 2011, 21, 17229.	6.7	50
106	Bismuth oxyiodide nanosheets: a novel high-energy anode material for lithium-ion batteries. Chemical Communications, 2015, 51, 2798-2801.	2.2	50
107	Constructing Three-Dimensional Honeycombed Graphene/Silicon Skeletons for High-Performance Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 31879-31886.	4.0	50
108	Architectural design and phase engineering of N/B-codoped TiO₂(B)/anatase nanotube assemblies for high-rate and long-life lithium storage. Journal of Materials Chemistry A, 2015, 3, 22591-22598.	5.2	49

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109	Binding TiO₂-B nanosheets with N-doped carbon enables highly durable anodes for lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 8172-8179.	5.2	47
110	Improved Electrochemical Performance in Li3V2(PO4)3 Promoted by Niobium-Incorporation. Journal of the Electrochemical Society, 2011, 158, A924.	1.3	46
111	Preparation of powders of selenium nanorods and nanowires by microwave-polyol method. Materials Letters, 2004, 58, 1234-1236.	1.3	45
112	One-step synthesis of a silicon/hematite@carbon hybrid nanosheet/silicon sandwich-like composite as an anode material for Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 4056-4061.	5.2	45
113	By what means should nanoscaled materials be constructed: molecule, medium, or human?. Nanoscale, 2010, 2, 198-214.	2.8	44
114	SnO2-based composite coaxial nanocables with multi-walled carbon nanotube and polypyrrole as anode materials for lithium-ion batteries. Electrochemistry Communications, 2011, 13, 1431-1434.	2.3	44
115	Electrospun Conformal Li₄Ti₅O₁₂/C Fibers for Highâ€Rate Lithiumâ€Ion Batteries. ChemElectroChem, 2014, 1, 611-616.	1.7	43
116	Morphosynthesis of 3D Macroporous Garnet Frameworks and Perfusion of Polymerâ€Stabilized Lithium Salts for Flexible Solidâ€State Hybrid Electrolytes. Advanced Materials Interfaces, 2019, 6, 1900200.	1.9	43
117	Facile synthesis of mesoporous 0.4Li2MnO3Â·0.6LiNi2/3Mn1/3O2 foams with superior performance for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 14964.	6.7	42
118	Facile synthesis of Si@void@C nanocomposites from low-cost microsized Si as anode materials for lithium-ion batteries. Applied Surface Science, 2019, 479, 287-295.	3.1	42
119	A â€œTrojan Horseâ€•Camouflage Strategy for Highâ€Performance Cellulose Paper and Separators. Advanced Functional Materials, 2020, 30, 2002169.	7.8	42
120	Architectural Engineering Achieves Highâ€Performance Alloying Anodes for Lithium and Sodium Ion Batteries. Small, 2021, 17, e2005248.	5.2	42
121	Poly(vinylpyrrolidone): a new reductant for preparation of tellurium nanorods, nanowires, and tubes from TeO2. Nanotechnology, 2006, 17, 645-650.	1.3	41
122	Thermal-triggered fire-extinguishing separators by phase change materials for high-safety lithium-ion batteries. Energy Storage Materials, 2022, 47, 445-452.	9.5	41
123	Ionogelâ€Based Membranes for Safe Lithium/Sodium Batteries. Advanced Materials, 2022, 34, e2200945.	11.1	41
124	High-performance Li3V2(PO4)3/C cathode materials prepared via a solâ€“gel route with double carbon sources. Journal of Alloys and Compounds, 2012, 513, 414-419.	2.8	40
125	Self-assembly of hybrid Fe2Mo3O8â€“reduced graphene oxide nanosheets with enhanced lithium storage properties. Journal of Materials Chemistry A, 2013, 1, 4468.	5.2	40
126	Electrospun porous LiNb3O8 nanofibers with enhanced lithium-storage properties. Journal of Materials Chemistry A, 2013, 1, 15053.	5.2	39

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127	Mass Production and Pore Size Control of Holey Carbon Microcages. Angewandte Chemie - International Edition, 2017, 56, 13790-13794.	7.2	39
128	Monolithic Taskâ€Specific Ionogel Electrolyte Membrane Enables Highâ€Performance Solidâ€State Lithiumâ€Metal Batteries in Wide Temperature Range. Advanced Functional Materials, 2022, 32, .	7.8	38
129	Fabricating low-temperature-tolerant and durable Zn-ion capacitors via modulation of co-solvent molecular interaction and cation solvation. Science China Materials, 2021, 64, 1609-1620.	3.5	37
130	Microwave-Assisted Synthesis of a Superparamagnetic Surface-Functionalized Porous Fe3O4/C Nanocomposite. Chemistry - an Asian Journal, 2006, 1, 605-610.	1.7	36
131	Nanoengineering S-Doped TiO₂ Embedded Carbon Nanosheets for Pseudocapacitance-Enhanced Li-Ion Capacitors. ACS Applied Energy Materials, 2018, 1, 1708-1715.	2.5	34
132	Thermally Durable Lithiumâ€Ion Capacitors with High Energy Density from All Hydroxyapatite Nanowireâ€Enabled Fireâ€Resistant Electrodes and Separators. Advanced Energy Materials, 2019, 9, 1902497.	10.2	34
133	Solâ€“gel nanocasting synthesis of patterned hierarchical LaFeO3 fibers with enhanced catalytic CO oxidation activity. Nanoscale, 2011, 3, 974.	2.8	33
134	Unitized Configuration Design of Thermally Stable Composite Polymer Electrolyte for Lithium Batteries Capable of Working Over a Wide Range of Temperatures. Advanced Engineering Materials, 2019, 21, 1900055.	1.6	33
135	Microwave-assisted polythiol reduction method: a new solidâ€“liquid route to fast preparation of silver nanowires. Materials Letters, 2004, 58, 1517-1519.	1.3	31
136	Chitosan Nanostructures with Controllable Morphology Produced by a Nonaqueous Electrochemical Approach. Advanced Materials, 2008, 20, 2111-2115.	11.1	31
137	Self-Assembled Chitosan Nanotemplates for Biomineralization of Controlled Calcite Nanoarchitectures. ACS Applied Materials & Interfaces, 2009, 1, 26-29.	4.0	31
138	Controlled synthesis of monodispersed hematite microcubes and their properties. CrystEngComm, 2011, 13, 7114.	1.3	31
139	Rational Design of Threeâ€Dimensional Hierarchical Nanomaterials for Asymmetric Supercapacitors. ChemElectroChem, 2017, 4, 2428-2441.	1.7	31
140	Bifunctional sensor of pentachlorophenol and copper ions based on nanostructured hybrid films of humic acid and exfoliated layered double hydroxide via a facile layer-by-layer assembly. Analytica Chimica Acta, 2013, 785, 34-42.	2.6	30
141	A facile way to fabricate double-shell pomegranate-like porous carbon microspheres for high-performance Li-ion batteries. Journal of Materials Chemistry A, 2017, 5, 12073-12079.	5.2	30
142	Tandem MoP nanocrystals with rich grain boundaries for efficient electrocatalytic hydrogen evolution. Chemical Communications, 2018, 54, 2502-2505.	2.2	30
143	Microwave-induced solid-state synthesis of TiO2(B) nanobelts with enhanced lithium-storage properties. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	29
144	A sulfurization-based oligomeric sodium salt as a high-performance organic anode for sodium ion batteries. Chemical Communications, 2016, 52, 11207-11210.	2.2	29

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145	Paragenesis of Mo2C nanocrystals in mesoporous carbon nanofibers for electrocatalytic hydrogen evolution. Electrochimica Acta, 2018, 274, 23-30.	2.6	29
146	Surface modification of MoOxSy on porous TiO2 nanospheres as an anode material with highly reversible and ultra-fast lithium storage properties. Journal of Materials Chemistry A, 2013, 1, 15128.	5.2	28
147	Ionic-Liquid-Assisted Synthesis of Self-Assembled TiO2-B Nanosheets under Microwave Irradiation and Their Enhanced Lithium Storage Properties. European Journal of Inorganic Chemistry, 2013, 2013, 5320-5328.	1.0	28
148	Porous carbon-coated ball-milled silicon as high-performance anodes for lithium-ion batteries. Journal of Materials Science, 2019, 54, 4798-4810.	1.7	28
149	Biomaterial-assisted synthesis of AgCl@Ag concave cubes with efficient visible-light-driven photocatalytic activity. CrystEngComm, 2014, 16, 649-653.	1.3	27
150	Precisely Tunable T-Nb₂O₅ Nanotubes via Atomic Layer Deposition for Fast-Charging Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 16445-16453.	4.0	27
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