Xianluo Hu

List of Publications by Year in Descending Order

206 papers	20,657 citations	71 h-index	141 g-index
211 ext. papers	22,466 ext. citations	9.9 avg, IF	7.13 L-index

#	Paper	IF	Citations
206	Thermal-triggered fire-extinguishing separators by phase change materials for high-safety lithium-ion batteries. *Energy Storage Materials*, **2022**, 47, 445-445	19.4	5
205	Ionogel-Based Membranes for Safe Lithium/Sodium Batteries.. *Advanced Materials*, **2022**, e2200945	24	3
204	Bi-functional Janus all-nanomat separators for acid scavenging and manganese ions trapping in LiMn2O4 lithium-ion batteries. *Materials Today Physics*, **2022**, 24, 100676	8	
203	Monolithic Task-Specific Ionogel Electrolyte Membrane Enables High-Performance Solid-State Lithium-Metal Batteries in Wide Temperature Range. *Advanced Functional Materials*, **2022**, 32, 2110653	15.6	7
202	Electrospun poly(ionic liquid) nanofiber separators with high lithium-ion transference number for safe ionic-liquid-based lithium batteries in wide temperature range. *Materials Today Physics*, **2022**, 100716	8	
201	Fabricating a Flow-Through Hybrid Capacitive Deionization Cell for Selective Recovery of Lithium Ions. *ACS Applied Energy Materials*, **2021**, 4, 13036-13043	6.1	0
200	Architectural Engineering Achieves High-Performance Alloying Anodes for Lithium and Sodium Ion Batteries. *Small*, **2021**, 17, e2005248	11	12
199	Thermoregulating Separators Based on Phase-Change Materials for Safe Lithium-Ion Batteries. *Advanced Materials*, **2021**, 33, e2008088	24	35
198	Precisely Tunable T-NbO Nanotubes via Atomic Layer Deposition for Fast-Charging Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 16445-16453	9.5	7
197	Insight into effects of niobium on electrospun Li2TiSiO5 fibers as anode materials in lithium-ion batteries. *Materials Research Bulletin*, **2021**, 136, 111145	5.1	0
196	Zinc Metal Energy Storage Devices under Extreme Conditions of Low Temperatures. *Batteries and Supercaps*, **2021**, 4, 389-406	5.6	7
195	Safer Lithium-Ion Batteries from the Separator Aspect: Development and Future Perspectives. *Energy and Environmental Materials*, **2021**, 4, 336-362	13	24
194	Collaborative compromise of two-dimensional materials in sodium ion capacitors: mechanisms and designing strategies. *Journal of Materials Chemistry A*, **2021**, 9, 8129-8159	13	2
193	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	7.1	11
192	Synergy of Highly Reversible □Li3V2O5 Anodes and Fluorine-Containing Additive Electrolytes Promises Low-Temperature-Tolerant Li-Ion Batteries **2021**, 3, 1394-1401		1
191	Solar-assisted lithium metal recovery from spent lithium iron phosphate batteries. *Chemical Engineering Journal Advances*, **2021**, 8, 100163	3.6	1
190	Photothermal supercapacitors at □40□C based on bifunctional TiN electrodes. *Chemical Engineering Journal*, **2021**, 423, 130162	14.7	2

189	Boosting lithium batteries under harsh operating conditions by a resilient ionogel with liquid-like ionic conductivity. *Journal of Energy Chemistry*, **2021**, 62, 408-414	12	3
188	Highly efficient H-bonding charge-transfer complex for microsupercapacitors under extreme conditions of low temperatures. *Journal of Energy Chemistry*, **2020**, 51, 182-189	12	6
187	A Trojan Horse Camouflage Strategy for High-Performance Cellulose Paper and Separators. *Advanced Functional Materials*, **2020**, 30, 2002169	15.6	20
186	Lithium-ion insertion kinetics of Na-doped Li2TiSiO5 as anode materials for lithium-ion batteries. *Journal of Materials Science and Technology*, **2020**, 57, 18-25	9.1	6
185	Lattice softening enables highly reversible sodium storage in anti-pulverization Bi Sb alloy/carbon nanofibers. *Energy Storage Materials*, **2020**, 27, 270-278	19.4	34
184	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	19.4	49
183	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	19.4	21
182	In-situ grown Li-Ti-O layer derived by atomic layer deposition to improve the Li storage performance of Li2TiSiO5 anode materials. *Electrochimica Acta*, **2020**, 344, 136149	6.7	6
181	Electrochemically Controlled Reversible Lithium Capture and Release Enabled by LiMn2O4 Nanorods. *ChemElectroChem*, **2020**, 7, 105-111	4.3	10
180	Top-Down Synthesis of Silicon/Carbon Composite Anode Materials for Lithium-Ion Batteries: Mechanical Milling and Etching. *ChemSusChem*, **2020**, 13, 1923-1946	8.3	25
179	Stabilizing Li-rich layered cathode materials by nanolayer-confined crystal growth for Li-ion batteries. *Electrochimica Acta*, **2020**, 333, 135466	6.7	13
178	Thermotolerant separators for safe lithium-ion batteries under extreme conditions. *Journal of Materials Chemistry A*, **2020**, 8, 20294-20317	13	30
177	Holey Graphene for Electrochemical Energy Storage. *Cell Reports Physical Science*, **2020**, 1, 100215	6.1	28
176	Transparent Electrodes for Energy Storage Devices. *Batteries and Supercaps*, **2020**, 3, 1275-1286	5.6	4
175	Functional Inks for Printable Energy Storage Applications based on 2 D Materials. *ChemSusChem*, **2020**, 13, 1330-1353	8.3	17
174	A high-energy sodium-ion capacitor enabled by a nitrogen/sulfur co-doped hollow carbon nanofiber anode and an activated carbon cathode. *Nanoscale Advances*, **2019**, 1, 746-756	5.1	18
173	Ultrahigh-Capacity and Fire-Resistant LiFePO4-Based Composite Cathodes for Advanced Lithium-Ion Batteries. *Advanced Energy Materials*, **2019**, 9, 1802930	21.8	67
172	Mesopore-Induced Ultrafast Na -Storage in T-Nb O /Carbon Nanofiber Films toward Flexible High-Power Na-Ion Capacitors. *Small*, **2019**, 15, e1804539	11	95

171	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	6.7	30
170	Ultrafast Na+-storage in TiO2-coated MoS2@N-doped carbon for high-energy sodium-ion hybrid capacitors. *Energy Storage Materials*, **2019**, 23, 95-104	19.4	47
169	Highly Tough, Li-Metal Compatible Organic–Inorganic Double-Network Solvate Ionogel. *Advanced Energy Materials*, **2019**, 9, 1900257	21.8	42
168	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	3.5	18
167	Morphosynthesis of 3D Macroporous Garnet Frameworks and Perfusion of Polymer-Stabilized Lithium Salts for Flexible Solid-State Hybrid Electrolytes. *Advanced Materials Interfaces*, **2019**, 6, 1900200	4.6	27
166	Yolk-shell Si/SiOx@Void@C composites as anode materials for lithium-ion batteries. *Functional Materials Letters*, **2019**, 12, 1850094	1.2	17
165	Thermally Durable Lithium-Ion Capacitors with High Energy Density from All Hydroxyapatite Nanowire-Enabled Fire-Resistant Electrodes and Separators. *Advanced Energy Materials*, **2019**, 9, 1902497	21.8	21
164	Mo-catalysis-assisted expeditious synthesis of N-doped erythrocyte-like hollow porous carbons for sodium storage. *Carbon*, **2019**, 143, 240-246	10.4	6
163	Conformal Conducting Polymer Shells on V2O5 Nanosheet Arrays as a High-Rate and Stable Zinc-Ion Battery Cathode. *Advanced Materials Interfaces*, **2019**, 6, 1801506	4.6	118
162	Porous carbon-coated ball-milled silicon as high-performance anodes for lithium-ion batteries. *Journal of Materials Science*, **2019**, 54, 4798-4810	4.3	18
161	Scalable Synthesis of Fe/N-Doped Porous Carbon Nanotube Frameworks for Aqueous Zn-Air Batteries. *Chemistry - A European Journal*, **2019**, 25, 635-641	4.8	8
160	Conformal spinel/layered heterostructures of Co3O4 shells grown on single-crystal Li-rich nanoplates for high-performance lithium-ion batteries. *Applied Surface Science*, **2018**, 447, 829-836	6.7	15
159	Paragenesis of Mo2C nanocrystals in mesoporous carbon nanofibers for electrocatalytic hydrogen evolution. *Electrochimica Acta*, **2018**, 274, 23-30	6.7	18
158	Recent Advances in Porous Carbon Materials for Electrochemical Energy Storage. *Chemistry - an Asian Journal*, **2018**, 13, 1518-1529	4.5	73
157	Nanoengineering S-Doped TiO2 Embedded Carbon Nanosheets for Pseudocapacitance-Enhanced Li-Ion Capacitors. *ACS Applied Energy Materials*, **2018**, 1, 1708-1715	6.1	21
156	Emergent Pseudocapacitance of 2D Nanomaterials. *Advanced Energy Materials*, **2018**, 8, 1702930	21.8	172
155	Tandem MoP nanocrystals with rich grain boundaries for efficient electrocatalytic hydrogen evolution. *Chemical Communications*, **2018**, 54, 2502-2505	5.8	25
154	Flexible Quasi-Solid-State Sodium-Ion Capacitors Developed Using 2D Metal–Organic-Framework Array as Reactor. *Advanced Energy Materials*, **2018**, 8, 1702769	21.8	163

153	Pseudocapacitance: Emergent Pseudocapacitance of 2D Nanomaterials (Adv. Energy Mater. 13/2018). *Advanced Energy Materials*, **2018**, 8, 1870058	21.8	7
152	Nanoscale surface modification of Li-rich layered oxides for high-capacity cathodes in Li-ion batteries. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	11
151	A low-cost non-conjugated dicarboxylate coupled with reduced graphene oxide for stable sodium-organic batteries. *Journal of Power Sources*, **2018**, 398, 99-105	8.9	17
150	Fabrication of Core□Sheath [email□protected]x Nanoarrays for Efficient Electrocatalytic Hydrogen Evolution. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 8847-8855	8.3	16
149	In situ growth of copper rhodizonate complexes on reduced graphene oxide for high-performance organic lithium-ion batteries. *Chemical Communications*, **2018**, 54, 11415-11418	5.8	10
148	Self-Assembling Hollow Carbon Nanobeads into Double-Shell Microspheres as a Hierarchical Sulfur Host for Sustainable Room-Temperature Sodium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 20422-20428	9.5	50
147	SiO2-Enhanced Structural Stability and Strong Adhesion with a New Binder of Konjac Glucomannan Enables Stable Cycling of Silicon Anodes for Lithium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1800434	21.8	83
146	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	13	56
145	Microwave-Assisted Rapid Synthesis of Self-Assembled T-Nb O Nanowires for High-Energy Hybrid Supercapacitors. *Chemistry - A European Journal*, **2017**, 23, 4203-4209	4.8	40
144	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	6.7	62
143	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	13	24
142	Phase control of TiO2 nanobelts by microwave irradiation as anode materials with tunable Li-diffusion kinetics. *Materials Research Bulletin*, **2017**, 96, 365-371	5.1	13
141	Constructing Hierarchical Tectorum-like □Fe2O3/PPy Nanoarrays on Carbon Cloth for Solid-State Asymmetric Supercapacitors. *Angewandte Chemie*, **2017**, 129, 1125-1130	3.6	71
140	Constructing Hierarchical Tectorum-like □Fe O /PPy Nanoarrays on Carbon Cloth for Solid-State Asymmetric Supercapacitors. *Angewandte Chemie - International Edition*, **2017**, 56, 1105-1110	16.4	247
139	Urchin-Like NiCo(CO)(OH)□0.11HO for Ultrahigh-Rate Electrochemical Supercapacitors: Structural Evolution from Solid to Hollow. *ACS Applied Materials & Interfaces*, **2017**, 9, 40655-40670	9.5	61
138	Flexible, High-Wettability and Fire-Resistant Separators Based on Hydroxyapatite Nanowires for Advanced Lithium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1703548	24	192
137	Constructing Three-Dimensional Honeycombed Graphene/Silicon Skeletons for High-Performance Li-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 31879-31886	9.5	39
136	Mass Production and Pore Size Control of Holey Carbon Microcages. *Angewandte Chemie*, **2017**, 129, 13978-13982	3.6	8

135	Mass Production and Pore Size Control of Holey Carbon Microcages. *Angewandte Chemie - International Edition*, **2017**, 56, 13790-13794	16.4	34
134	Rational Design of Three-Dimensional Hierarchical Nanomaterials for Asymmetric Supercapacitors. *ChemElectroChem*, **2017**, 4, 2428-2441	4.3	26
133	In Operando Mechanism Analysis on Nanocrystalline Silicon Anode Material for Reversible and Ultrafast Sodium Storage. *Advanced Materials*, **2017**, 29, 1604708	24	75
132	A sulfurization-based oligomeric sodium salt as a high-performance organic anode for sodium ion batteries. *Chemical Communications*, **2016**, 52, 11207-10	5.8	27
131	Direct planting of ultrafine MoO2+□nanoparticles in carbon nanofibers by electrospinning: self-supported mats as binder-free and long-life anodes for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2016**, 18, 19832-7	3.6	17
130	A Green and Facile Way to Prepare Granadilla-Like Silicon-Based Anode Materials for Li-Ion Batteries. *Advanced Functional Materials*, **2016**, 26, 440-446	15.6	161
129	A Si/C nanocomposite anode by ball milling for highly reversible sodium storage. *Electrochemistry Communications*, **2016**, 70, 8-12	5.1	57
128	Nanostructured Ti-based anode materials for Na-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 12001-12013	13	109
127	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	13	40
126	Assembly of NiO/Ni(OH)2/PEDOT Nanocomposites on Contra Wires for Fiber-Shaped Flexible Asymmetric Supercapacitors. *ACS Applied Materials & Interfaces*, **2016**, 8, 1774-9	9.5	123
125	Si-containing precursors for Si-based anode materials of Li-ion batteries: A review. *Energy Storage Materials*, **2016**, 4, 92-102	19.4	65
124	Lithium-Ion Batteries: A Green and Facile Way to Prepare Granadilla-Like Silicon-Based Anode Materials for Li-Ion Batteries (Adv. Funct. Mater. 3/2016). *Advanced Functional Materials*, **2016**, 26, 468-468	15.6	1
123	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	13	43
122	Rational synthesis of carbon-coated hollow Ge nanocrystals with enhanced lithium-storage properties. *Nanoscale*, **2016**, 8, 12215-20	7.7	19
121	Symmetric Electrodes for Electrochemical Energy-Storage Devices. *Advanced Science*, **2016**, 3, 1600115	13.6	49
120	Flexible fiber-shaped supercapacitors based on hierarchically nanostructured composite electrodes. *Nano Research*, **2015**, 8, 1148-1158	10	165
119	Self-wrapped Sb/C nanocomposite as anode material for High-performance sodium-ion batteries. *Nano Energy*, **2015**, 16, 479-487	17.1	124
118	Na(+) intercalation pseudocapacitance in graphene-coupled titanium oxide enabling ultra-fast sodium storage and long-term cycling. *Nature Communications*, **2015**, 6, 6929	17.4	834

117	Flexible membranes of MoS2/C nanofibers by electrospinning as binder-free anodes for high-performance sodium-ion batteries. *Scientific Reports*, **2015**, 5, 9254	4.9	235
116	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	13	46
115	Self-assembled 3D hierarchical sheaf-like Nb3O7(OH) nanostructures with enhanced photocatalytic activity. *Nanoscale*, **2015**, 7, 1963-9	7.7	20
114	Flexible Asymmetric Micro-Supercapacitors Based on Bi2O3 and MnO2 Nanoflowers: Larger Areal Mass Promises Higher Energy Density. *Advanced Energy Materials*, **2015**, 5, 1401882	21.8	408
113	VO2/TiO2 Nanosponges as Binder-Free Electrodes for High-Performance Supercapacitors. *Scientific Reports*, **2015**, 5, 16012	4.9	56
112	Flexible and Binder-Free Electrodes of Sb/rGO and Na3V2(PO4)3/rGO Nanocomposites for Sodium-Ion Batteries. *Small*, **2015**, 11, 3822-9	11	164
111	A Bamboo-Inspired Nanostructure Design for Flexible, Foldable, and Twistable Energy Storage Devices. *Nano Letters*, **2015**, 15, 3899-906	11.5	257
110	Bismuth oxyiodide nanosheets: a novel high-energy anode material for lithium-ion batteries. *Chemical Communications*, **2015**, 51, 2798-801	5.8	41
109	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	13	50
108	Nanostructured Mo-based electrode materials for electrochemical energy storage. *Chemical Society Reviews*, **2015**, 44, 2376-404	58.5	498
107	Metal-organic framework derived ZnO/ZnFe2O4/C nanocages as stable cathode material for reversible lithium-oxygen batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 4947-54	9.5	92
106	Sodium storage in Na-rich Na x FeFe(CN) 6 nanocubes. *Nano Energy*, **2015**, 12, 386-393	17.1	183
105	Encapsulation of MnO nanocrystals in electrospun carbon nanofibers as high-performance anode materials for lithium-ion batteries. *Scientific Reports*, **2014**, 4, 4229	4.9	121
104	High-performance aqueous sodium-ion batteries with K0.27MnO2 cathode and their sodium storage mechanism. *Nano Energy*, **2014**, 5, 97-104	17.1	115
103	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	13	99
102	Facile synthesis of sandwiched Zn2GeO4-graphene oxide nanocomposite as a stable and high-capacity anode for lithium-ion batteries. *Nanoscale*, **2014**, 6, 924-30	7.7	84
101	Biomaterial-assisted synthesis of AgCl@Ag concave cubes with efficient visible-light-driven photocatalytic activity. *CrystEngComm*, **2014**, 16, 649-653	3.3	24
100	MOF-derived porous ZnO/ZnFe2O4/C octahedra with hollow interiors for high-rate lithium-ion batteries. *Advanced Materials*, **2014**, 26, 6622-8	24	596

99	Fast microwave-assisted synthesis of Nb-doped Li4Ti5O12 for high-rate lithium-ion batteries. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	19
98	Highly porous Li 4 Ti 5 O 12 /C nanofibers for ultrafast electrochemical energy storage. *Nano Energy* , **2014**, 10, 163-171	17.1	150
97	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	10.4	71
96	Microwave-assisted synthesis of self-assembled BiO1.84H0.08 hierarchical nanostructures as a new photocatalyst. *Applied Surface Science*, **2014**, 319, 244-249	6.7	13
95	TiO2-B nanosheets/anatase nanocrystals co-anchored on nanoporous graphene: in situ reduction-hydrolysis synthesis and their superior rate performance as an anode material. *Chemistry - A European Journal*, **2014**, 20, 1383-8	4.8	53
94	Electrospun Conformal Li4Ti5O12/C Fibers for High-Rate Lithium-Ion Batteries. *ChemElectroChem*, **2014**, 1, 611-616	4.3	35
93	Facile fabrication of CuO nanosheets on Cu substrate as anode materials for electrochemical energy storage. *Journal of Alloys and Compounds*, **2014**, 586, 208-215	5.7	72
92	Facile synthesis of porous InNbO4 nanofibers by electrospinning and their enhanced visible-light-driven photocatalytic properties. *Journal of Alloys and Compounds*, **2014**, 592, 301-305	5.7	18
91	Microwave-Induced in situ synthesis of Zn2GeO4/N-doped graphene nanocomposites and their lithium-storage properties. *Chemistry - A European Journal*, **2013**, 19, 6027-33	4.8	79
90	Reconstruction of Conformal Nanoscale MnO on Graphene as a High-Capacity and Long-Life Anode Material for Lithium Ion Batteries. *Advanced Functional Materials*, **2013**, 23, 2436-2444	15.6	703
89	Bi4Ti3O12 nanofibers-BiOI nanosheets p-n junction: facile synthesis and enhanced visible-light photocatalytic activity. *Nanoscale*, **2013**, 5, 9764-72	7.7	155
88	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	13	103
87	Controlled synthesis of mesoporous MnO/C networks by microwave irradiation and their enhanced lithium-storage properties. *ACS Applied Materials & Interfaces*, **2013**, 5, 1997-2003	9.5	152
86	Electrospun porous LiNb3O8 nanofibers with enhanced lithium-storage properties. *Journal of Materials Chemistry A*, **2013**, 1, 15053	13	34
85	Evaluation of Ca3Co2O6 as cathode material for high-performance solid-oxide fuel cell. *Scientific Reports*, **2013**, 3, 1125	4.9	19
84	Synthesis of porous Bi4Ti3O12 nanofibers by electrospinning and their enhanced visible-light-driven photocatalytic properties. *Nanoscale*, **2013**, 5, 2028-35	7.7	124
83	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	13	23
82	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	6.6	28

81	Self-assembly of hybrid Fe2Mo3O8 reduced graphene oxide nanosheets with enhanced lithium storage properties. *Journal of Materials Chemistry A*, **2013**, 1, 4468	13	37
80	A SnO2@carbon nanocluster anode material with superior cyclability and rate capability for lithium-ion batteries. *Nanoscale*, **2013**, 5, 3298-305	7.7	120
79	Superior lithium storage performance in nanoscaled MnO promoted by N-doped carbon webs. *Nano Energy*, **2013**, 2, 412-418	17.1	136
78	Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors. *Energy and Environmental Science*, **2013**, 6, 2497	35.4	935
77	Microwave-Assisted Solution Synthesis of Nanomaterials **2013**, 107-143		1
76	Hollow 0.3Li2MnO3 0.7LiNi(0.5)Mn(0.5)O2 microspheres as a high-performance cathode material for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 2954-60	3.6	67
75	Synthesis of amorphous FeOOH/reduced graphene oxide composite by infrared irradiation and its superior lithium storage performance. *ACS Applied Materials & Interfaces*, **2013**, 5, 10145-50	9.5	45
74	Functionalized N-doped interconnected carbon nanofibers as an anode material for sodium-ion storage with excellent performance. *Carbon*, **2013**, 55, 328-334	10.4	537
73	Electrospun sillenite Bi12MO20 (M = Ti, Ge, Si) nanofibers: general synthesis, band structure, and photocatalytic activity. *Physical Chemistry Chemical Physics*, **2013**, 15, 20698-705	3.6	92
72	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	2.3	28
71	Li4Ti5O12 nanocrystallites for high-rate lithium-ion batteries synthesized by a rapid microwave-assisted solid-state process. *Electrochimica Acta*, **2012**, 63, 118-123	6.7	49
70	WO3/TiO2 microstructures for enhanced photocatalytic oxidation. *Separation and Purification Technology*, **2012**, 91, 67-72	8.3	22
69	Nitrogen-doped porous carbon nanofiber webs as anodes for lithium ion batteries with a superhigh capacity and rate capability. *Advanced Materials*, **2012**, 24, 2047-50	24	1394
68	Microwave-induced solid-state synthesis of TiO2(B) nanobelts with enhanced lithium-storage properties. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	28
67	Novel nanofibrous composite of chitosan CaCO3 fabricated by electrolytic biomineralization and its cell biocompatibility. *RSC Advances*, **2012**, 2, 514-519	3.7	7
66	Self-assembled mesoporous CoO nanodisks as a long-life anode material for lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 13826		108
65	Electrospun porous ZnCo2O4 nanotubes as a high-performance anode material for lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 8916		306
64	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		56

63	Coral-like MnS composites with N-doped carbon as anode materials for high-performance lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 24026		115
62	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		143
61	High-performance Li3V2(PO4)3/C cathode materials prepared via a sol gel route with double carbon sources. *Journal of Alloys and Compounds*, **2012**, 513, 414-419	5.7	38
60	Ultrathin CoO/Graphene Hybrid Nanosheets: A Highly Stable Anode Material for Lithium-Ion Batteries. *Journal of Physical Chemistry C*, **2012**, 116, 20794-20799	3.8	142
59	Adsorption of heavy metal ions by hierarchically structured magnetite-carbonaceous spheres. *Talanta*, **2012**, 101, 45-52	6.2	48
58	Ultrafine MoO2 nanoparticles 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		163
57	Morphology-controllable solvothermal synthesis of nanoscale LiFePO4 in a binary solvent. *Science Bulletin*, **2012**, 57, 4170-4175		13
56	Thermoelectric Solid-Oxide Fuel Cells with Extra Power Conversion from Waste Heat. *Chemistry of Materials*, **2012**, 24, 1401-1403	9.6	20
55	Layer-by-layer assembled MoO graphene thin film as a high-capacity and binder-free anode for lithium-ion batteries. *Nanoscale*, **2012**, 4, 4707-11	7.7	121
54	Facile synthesis of mesoporous 0.4Li2MnO3 0.6LiNi2/3Mn1/3O2 foams with superior performance for lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 14964		40
53	Morphosynthesis of a hierarchical MoO2 nanoarchitecture as a binder-free anode for lithium-ion batteries. *Energy and Environmental Science*, **2011**, 4, 2870	35.4	225
52	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, 6181-7	10.3	218
51	Self-assembled hierarchical MoO2/graphene nanoarchitectures and their application as a high-performance anode material for lithium-ion batteries. *ACS Nano*, **2011**, 5, 7100-7	16.7	548
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