

# Shujiang Ding

## List of Publications by Citations

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277  
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#	Paper	IF	Citations
261	Bowl-like SnO <sub>2</sub> @carbon hollow particles as an advanced anode material for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12803-7	16.4	426
260	Facile synthesis of hierarchical MoS <sub>2</sub> microspheres composed of few-layered nanosheets and their lithium storage properties. <i>Nanoscale</i> , <b>2012</b> , 4, 95-8	7.7	394
259	SnO <sub>2</sub> nanosheets grown on graphene sheets with enhanced lithium storage properties. <i>Chemical Communications</i> , <b>2011</b> , 47, 7155-7	5.8	367
258	Formation of SnO <sub>2</sub> hollow nanospheres inside mesoporous silica nanoreactors. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 21-3	16.4	364
257	Glucose-assisted growth of MoS <sub>2</sub> nanosheets on CNT backbone for improved lithium storage properties. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13142-5	4.8	311
256	Hierarchical nickel sulfide hollow spheres for high performance supercapacitors. <i>RSC Advances</i> , <b>2011</b> , 1, 397	3.7	298
255	Graphene-supported anatase TiO <sub>2</sub> nanosheets for fast lithium storage. <i>Chemical Communications</i> , <b>2011</b> , 47, 5780-2	5.8	289
254	Controlled synthesis of hierarchical NiO nanosheet hollow spheres with enhanced supercapacitive performance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6602		255
253	One-Dimensional Hierarchical Structures Composed of Novel Metal Oxide Nanosheets on a Carbon Nanotube Backbone and Their Lithium-Storage Properties. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 4120-4125	15.6	250
252	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanosheets grown on Ni nanofoam as high-performance electrodes for supercapacitors. <i>Small</i> , <b>2015</b> , 11, 804-8	11	211
251	Enhancing Catalytic Activity of Titanium Oxide in Lithium-Sulfur Batteries by Band Engineering. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900953	21.8	210
250	Carbon@titanium nitride dual shell nanospheres as multi-functional hosts for lithium sulfur batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 228-235	19.4	200
249	Construction of hybrid bowl-like structures by anchoring NiO nanosheets on flat carbon hollow particles with enhanced lithium storage properties. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1707-1711	35.4	194
248	Hierarchically structured one-dimensional TiO <sub>2</sub> for protein immobilization, direct electrochemistry, and mediator-free glucose sensing. <i>ACS Nano</i> , <b>2011</b> , 5, 7617-26	16.7	190
247	TiO <sub>2</sub> hollow spheres with large amount of exposed (001) facets for fast reversible lithium storage. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1677-1680		167
246	A Nanosheets-on-Channel Architecture Constructed from MoS <sub>2</sub> and CMK-3 for High-Capacity and Long-Cycle-Life Lithium Storage. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400902	21.8	166
245	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> [email protected] Nanotubes with Ultrahigh Capacitance and Long Cycle Stability As Electrochemical Pseudocapacitor Materials. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4354-4360	9.6	164

244	SnO <sub>2</sub> nanosheet hollow spheres with improved lithium storage capabilities. <i>Nanoscale</i> , <b>2011</b> , 3, 3586-8	7.7	163
243	One-dimensional CdS/ZnO core/shell nanofibers via single-spinneret electrospinning: tunable morphology and efficient photocatalytic hydrogen production. <i>Nanoscale</i> , <b>2013</b> , 5, 12432-9	7.7	153
242	Fabrication of MoS <sub>2</sub> nanosheet@TiO <sub>2</sub> nanotube hybrid nanostructures for lithium storage. <i>Nanoscale</i> , <b>2014</b> , 6, 5245-50	7.7	145
241	Ultrathin NiO nanosheets anchored on a highly ordered nanostructured carbon as an enhanced anode material for lithium ion batteries. <i>Nano Energy</i> , <b>2015</b> , 16, 152-162	17.1	141
240	Formation of g-CN@Ni(OH) <sub>2</sub> Honeycomb Nanostructure and Asymmetric Supercapacitor with High Energy and Power Density. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17890-17896	9.5	138
239	Growth of Ultrathin ZnCoO Nanosheets on Reduced Graphene Oxide with Enhanced Lithium Storage Properties. <i>Advanced Science</i> , <b>2015</b> , 2, 1400014	13.6	138
238	Enhanced Sulfur Transformation by Multifunctional FeS/FeS <sub>2</sub> /S Composites for High-Volumetric Capacity Cathodes in Lithium-Sulfur Batteries. <i>Advanced Science</i> , <b>2019</b> , 6, 1800815	13.6	133
237	3D Printing of Carbon Nanotubes-Based Microsupercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4597-4604	9.5	130
236	Bamboo-like amorphous carbon nanotubes clad in ultrathin nickel oxide nanosheets for lithium-ion battery electrodes with long cycle life. <i>Carbon</i> , <b>2015</b> , 84, 491-499	10.4	130
235	An electrochemically formed three-dimensional structure of polypyrrole/graphene nanoplatelets for high-performance supercapacitors. <i>RSC Advances</i> , <b>2011</b> , 1, 1271	3.7	128
234	Highly stretchable and transparent ionic conducting elastomers. <i>Nature Communications</i> , <b>2018</b> , 9, 2630	17.4	123
233	Preparation and electrochemical characteristics of porous hollow spheres of NiO nanosheets as electrodes of supercapacitors. <i>Journal of Power Sources</i> , <b>2014</b> , 256, 440-448	8.9	119
232	A facile strategy for the synthesis of hierarchical TiO <sub>2</sub> /CdS hollow sphere heterostructures with excellent visible light activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7674-7679	13	117
231	Construction of ultrafine ZnSe nanoparticles on/in amorphous carbon hollow nanospheres with high-power-density sodium storage. <i>Nano Energy</i> , <b>2019</b> , 59, 762-772	17.1	111
230	Sea urchin-like NiCoO <sub>2</sub> @C nanocomposites for Li-ion batteries and supercapacitors. <i>Nano Energy</i> , <b>2016</b> , 27, 457-465	17.1	103
229	g-C <sub>3</sub> N <sub>4</sub> nanosheets enhanced solid polymer electrolytes with excellent electrochemical performance, mechanical properties, and thermal stability. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11069-11076	13	101
228	High-field antiferroelectric behaviour and minimized energy loss in poly(vinylidene-co-trifluoroethylene)-graft-poly(ethyl methacrylate) for energy storage application. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23468		101
227	Suppressing the Shuttle Effect and Dendrite Growth in Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 9819-9831	16.7	97

226	Enhanced visible-light activity of F-N co-doped TiO <sub>2</sub> nanocrystals via nonmetal impurity, Ti <sup>3+</sup> ions and oxygen vacancies. <i>Applied Surface Science</i> , <b>2013</b> , 287, 135-142	6.7	96
225	Anchoring Tailored Low-Index Faceted BiOBr Nanoplates onto TiO Nanorods to Enhance the Stability and Visible-Light-Driven Catalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16091-16102	9.5	95
224	Assessment of the flow regime alterations in the middle reach of the Yangtze River associated with dam construction: potential ecological implications. <i>Hydrological Processes</i> , <b>2016</b> , 30, 3949-3966	3.3	93
223	Low-temperature synthesis of heterogeneous crystalline TiO <sub>2</sub> @halloysite nanotubes and their visible light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8045	13	90
222	Template synthesis of composite hollow spheres using sulfonated polystyrene hollow spheres. <i>Polymer</i> , <b>2006</b> , 47, 8360-8366	3.9	90
221	Hierarchical NiCoO <sub>2</sub> nanosheets supported on amorphous carbon nanotubes for high-capacity lithium-ion batteries with a long cycle life. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13069-13074	13	89
220	Preparation of carbon-coated NiCo <sub>2</sub> O <sub>4</sub> @SnO <sub>2</sub> hetero-nanostructures and their reversible lithium storage properties. <i>Small</i> , <b>2015</b> , 11, 432-6	11	88
219	Mesoporous Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> nanoparticles grown on reduced graphene oxide as a high-rate and long-life anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6264-6270	13	86
218	Fabrication of one-dimensional heterostructured TiO <sub>2</sub> @SnO <sub>2</sub> with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 116-122	13	84
217	In situ assembly of well-dispersed Ni nanoparticles on silica nanotubes and excellent catalytic activity in 4-nitrophenol reduction. <i>Nanoscale</i> , <b>2014</b> , 6, 11181-8	7.7	84
216	3D NiO hollow sphere/reduced graphene oxide composite for high-performance glucose biosensor. <i>Scientific Reports</i> , <b>2017</b> , 7, 5220	4.9	84
215	Enhancing heat capacity of colloidal suspension using nanoscale encapsulated phase-change materials for heat transfer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 1685-91	9.5	83
214	Combination of uniform SnO <sub>2</sub> nanocrystals with nitrogen doped graphene for high-performance lithium-ion batteries anode. <i>Chemical Engineering Journal</i> , <b>2016</b> , 283, 1435-1442	14.7	80
213	Highly Efficient Nanocatalysts Supported on Hollow Polymer Nanospheres: Synthesis, Characterization, and Applications. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 774-780	3.8	79
212	An Overview and Future Perspectives of Rechargeable Zinc Batteries. <i>Small</i> , <b>2020</b> , 16, e2000730	11	78
211	Single-spinneret electrospinning fabrication of CoMn <sub>2</sub> O <sub>4</sub> hollow nanofibers with excellent performance in lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 462-469	6.7	76
210	Few-layer MoS <sub>2</sub> anchored at nitrogen-doped carbon ribbons for sodium-ion battery anodes with high rate performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 17963-17972	13	76
209	Tuning phase transition and ferroelectric properties of poly(vinylidene fluoride-co-trifluoroethylene) via grafting with desired poly(methacrylic ester)s as side chains. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1111-1121	7.1	75

208	A facile one-step synthesis of three-dimensionally ordered macroporous N-doped TiO <sub>2</sub> with ethanediamine as the nitrogen source. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15611-15619	13	73
207	Flexible and High-Loading LithiumSulfur Batteries Enabled by Integrated Three-In-One Fibrous Membranes. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902001	21.8	71
206	Simultaneously Realizing Rapid Electron Transfer and Mass Transport in Jellyfish-Like MottSchottky Nanoreactors for Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910482	15.6	71
205	A cloud model-based approach for water quality assessment. <i>Environmental Research</i> , <b>2016</b> , 148, 24-35	7.9	70
204	A NiCo <sub>2</sub> O <sub>4</sub> nanosheet-mesoporous carbon composite electrode for enhanced reversible lithium storage. <i>Carbon</i> , <b>2016</b> , 99, 633-641	10.4	69
203	Significantly improving dielectric and energy storage properties via uniaxially stretching crosslinked P(VDF-co-TrFE) films. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10353	13	68
202	The facile synthesis of hierarchical NiCoO <sub>2</sub> nanotubes comprised ultrathin nanosheets for supercapacitors. <i>Journal of Power Sources</i> , <b>2014</b> , 267, 641-647	8.9	67
201	Facile synthesis of three-dimensional structured carbon fiber-NiCo <sub>2</sub> O <sub>4</sub> -Ni(OH) <sub>2</sub> high-performance electrode for pseudocapacitors. <i>Scientific Reports</i> , <b>2015</b> , 5, 9277	4.9	66
200	MoS <sub>2</sub> nanosheets grown on amorphous carbon nanotubes for enhanced sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4375-4379	13	66
199	Facile Surface Properties Engineering of High-Quality Graphene: Toward Advanced Ni-MOF Heterostructures for High-Performance Supercapacitor Electrode. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2169-2177	6.1	65
198	Galvanic-replacement mediated synthesis of copperBickel nitrides as electrocatalyst for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24850-24858	13	64
197	A composite solid polymer electrolyte incorporating MnO <sub>2</sub> nanosheets with reinforced mechanical properties and electrochemical stability for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2021-2032	13	64
196	Orthogonal synthesis, structural characteristics, and enhanced visible-light photocatalysis of mesoporous Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> heterostructured microspheres. <i>Applied Surface Science</i> , <b>2014</b> , 311, 314-323	6.7	63
195	The preparation of uniform SnO <sub>2</sub> nanotubes with a mesoporous shell for lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2995	13	62
194	Ordered mesoporous carbon supported Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> composites for lithium-ion batteries with long-term and high-rate performance. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7005-7013	13	61
193	SBA-15 derived carbon-supported SnO <sub>2</sub> nanowire arrays with improved lithium storage capabilities. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13860		61
192	Synthesis of micro-sized SnO <sub>2</sub> @carbon hollow spheres with enhanced lithium storage properties. <i>Nanoscale</i> , <b>2012</b> , 4, 3651-4	7.7	60
191	One-pot synthesis of carbon coated Fe <sub>3</sub> O <sub>4</sub> nanosheets with superior lithium storage capability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4716-4721	13	58

190	CNTs@SnO <sub>2</sub> @carbon coaxial nanocables with high mass fraction of SnO <sub>2</sub> for improved lithium storage. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 2278-81	4.5	57
189	Local spin-state tuning of cobalt/iron selenide nanoframes for the boosted oxygen evolution. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 365-373	35.4	57
188	Preparation of scale-like nickel cobaltite nanosheets assembled on nitrogen-doped reduced graphene oxide for high-performance supercapacitors. <i>Carbon</i> , <b>2014</b> , 80, 222-228	10.4	55
187	MnO <sub>2</sub> Nanosheets Grown on Nitrogen-Doped Hollow Carbon Shells as a High-Performance Electrode for Asymmetric Supercapacitors. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 7119-26	4.8	54
186	Hydroxyl-riched halloysite clay nanotubes serving as substrate of NiO nanosheets for high-performance supercapacitor. <i>Journal of Power Sources</i> , <b>2015</b> , 285, 210-216	8.9	53
185	The preparation of mesoporous SnO <sub>2</sub> nanotubes by carbon nanofibers template and their lithium storage properties. <i>Electrochimica Acta</i> , <b>2013</b> , 98, 263-267	6.7	52
184	Poly(ionic liquid)-polyethylene oxide semi-interpenetrating polymer network solid electrolyte for safe lithium metal batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121925	14.7	51
183	Synthesis of nanocomposites with carbon/SnO <sub>2</sub> dual-shells on TiO <sub>2</sub> nanotubes and their application in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16057-16063	13	51
182	Highly Stretchable Organogel Ionic Conductors with Extreme-Temperature Tolerance. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3257-3264	9.6	50
181	3D flower-like defected MoS <sub>2</sub> magnetron-sputtered on candle soot for enhanced hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 263, 117750	21.8	49
180	A universal synthetic route to carbon nanotube/transition metal oxide nano-composites for lithium ion batteries and electrochemical capacitors. <i>Scientific Reports</i> , <b>2016</b> , 6, 37752	4.9	47
179	MOF derived CoO-NCNTs two-dimensional networks for durable lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4126-4133	13	46
178	Combined DFT and XPS investigation of iodine anions adsorption on the sulfur terminated (001) chalcopyrite surface. <i>Applied Surface Science</i> , <b>2016</b> , 390, 412-421	6.7	46
177	Bowl-like SnO <sub>2</sub> @Carbon Hollow Particles as an Advanced Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13017-13021	3.6	46
176	One-step synthesis of free-standing Ni(OH) <sub>2</sub> nanosheets on reduced graphene oxide for high-performance supercapacitors. <i>Nanotechnology</i> , <b>2014</b> , 25, 435403	3.4	45
175	A new polysulfide blocker - poly(acrylic acid) modified separator for improved performance of lithium-sulfur battery. <i>Journal of Membrane Science</i> , <b>2018</b> , 563, 277-283	9.6	45
174	Facile construction of ultrathin standing Ni(OH) <sub>2</sub> nanosheets on halloysite nanotubes and their enhanced electrochemical capacitance. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11299-11304	13	44
173	Partial sulfuration-induced defect and interface tailoring on bismuth oxide for promoting electrocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2472-2480	13	44



172	A multidimension cloud model-based approach for water quality assessment. <i>Environmental Research</i> , <b>2016</b> , 149, 113-121	7.9	43
171	Investigating the impacts of cascade hydropower development on the natural flow regime in the Yangtze River, China. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 1187-1194	10.2	42
170	NiO nanosheets anchored on honeycomb porous carbon derived from wheat husk for symmetric supercapacitor with high performance. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 1722-1729	5.7	42
169	Free-standing ultrathin CoMn <sub>2</sub> O <sub>4</sub> nanosheets anchored on reduced graphene oxide for high-performance supercapacitors. <i>Dalton Transactions</i> , <b>2015</b> , 44, 18737-42	4.3	41
168	Phenolic Resin and Derived Carbon Hollow Spheres. <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 1633-1639	2.6	41
167	Construction of sandwich-type hybrid structures by anchoring mesoporous ZnMn <sub>2</sub> O <sub>4</sub> nanofoams on reduced graphene oxide with highly enhanced capability. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10419-10424	13	41
166	CTAB-assisted growth of self-supported ZnGeO nanosheet network on a conductive foam as a binder-free electrode for long-life lithium-ion batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 921-929	7.7	41
165	Quick one-pot synthesis of amorphous carbon-coated cobalt ferrite twin elliptical frustums for enhanced lithium storage capability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8062-8069	13	40
164	Low temperature synthesis of polyaniline-crystalline TiO <sub>2</sub> -halloysite composite nanotubes with enhanced visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 458, 1-13	9.3	40
163	A framework to assess the cumulative impacts of dams on hydrological regime: A case study of the Yangtze River. <i>Hydrological Processes</i> , <b>2017</b> , 31, 3045-3055	3.3	38
162	Rational Design of NiCoO <sub>2</sub> @SnO <sub>2</sub> Heterostructure Attached on Amorphous Carbon Nanotubes with Improved Lithium Storage Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6004-10	9.5	38
161	Dielectric gels with ultra-high dielectric constant, low elastic modulus, and excellent transparency. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 821-826	10.3	38
160	Hierarchically structured Pt/CNT@TiO <sub>2</sub> nanocatalysts with ultrahigh stability for low-temperature fuel cells. <i>RSC Advances</i> , <b>2012</b> , 2, 792-796	3.7	36
159	Ethylene glycol-mediated rapid synthesis of carbon-coated ZnFeO nanoflakes with long-term and high-rate performance for lithium-ion batteries. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3521-3529	4.3	35
158	Porous Fe <sub>2</sub> O <sub>3</sub> spheres coated with N-doped carbon from polydopamine as Li-ion battery anode materials. <i>Nanotechnology</i> , <b>2016</b> , 27, 215403	3.4	35
157	Construction of High-Quality SnO@MoS Nanohybrids for Promising Photoelectrocatalytic Applications. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3386-3393	5.1	34
156	Monodisperse Ag@AgBr nanocrystals anchored on one-dimensional TiO <sub>2</sub> nanotubes with efficient plasmon-assisted photocatalytic performance. <i>RSC Advances</i> , <b>2016</b> , 6, 68653-68662	3.7	34
155	Electroless fabrication and supercapacitor performance of CNT@NiO-nanosheet composite nanotubes. <i>Nanotechnology</i> , <b>2016</b> , 27, 075605	3.4	33

154	Band alignment in Zn <sub>2</sub> SnO <sub>4</sub> /SnO <sub>2</sub> heterostructure enabling efficient CO <sub>2</sub> electrochemical reduction. <i>Nano Energy</i> , <b>2019</b> , 64, 103954	17.1	33
153	The structure dependent electrochemical performance of porous Co <sub>3</sub> O <sub>4</sub> nanoplates as anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 251, 351-356	8.9	32
152	Ultrafine Co-doped ZnO nanoparticles on reduced graphene oxide as an efficient electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 224, 561-570	6.7	31
151	Facile synthesis of interwoven ZnMn <sub>2</sub> O <sub>4</sub> nanofibers by electrospinning and their performance in Li-ion batteries. <i>Materials Letters</i> , <b>2014</b> , 128, 336-339	3.3	31
150	Blowing Iron Chalcogenides into Two-Dimensional Flaky Hybrids with Superior Cyclability and Rate Capability for Potassium-Ion Batteries. <i>ACS Nano</i> , <b>2021</b> , 15, 2506-2519	16.7	31
149	Comprehensive investigation of the reciprocity of structure and enhanced photocatalytic performance in finned-tube structured TiO <sub>2</sub> /BiOBr heterojunctions. <i>RSC Advances</i> , <b>2015</b> , 5, 102228-102237	2.7	30
148	Red blood cell-like hollow carbon sphere anchored ultrathin Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanosheets as long cycling and high rate-performance anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13164-13170	13	30
147	Hierarchical hybrid ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles/reduced graphene oxide composite with long-term and high-rate performance for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 737, 58-66	5.7	30
146	Phase boundary-enhanced Ni <sub>3</sub> N <sub>2</sub> /Co <sub>3</sub> N@CNT composite materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1779-1784	13	29
145	A CoMoO <sub>4</sub> /Co <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> heterostructure with valence-rich molybdenum for a high-performance hydrogen evolution reaction in alkaline solution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16761-16769	13	29
144	Au nanoparticle-decorated NiCo <sub>2</sub> O <sub>4</sub> nanoflower with enhanced electrocatalytic activity toward methanol oxidation. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 732, 460-469	5.7	29
143	Nitrogen-Doped Graphene Quantum Dots Anchored on Thermally Reduced Graphene Oxide as an Electrocatalyst for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , <b>2016</b> , 3, 864-870	4.3	29
142	The preparation of hierarchical tubular structures comprised of NiO nanosheets with enhanced supercapacitive performance. <i>RSC Advances</i> , <b>2014</b> , 4, 3181-3187	3.7	28
141	Carbon-supported SnO <sub>2</sub> nanowire arrays with enhanced lithium storage properties. <i>Electrochimica Acta</i> , <b>2015</b> , 158, 321-326	6.7	28
140	Water temperature forecasting based on modified artificial neural network methods: Two cases of the Yangtze River. <i>Science of the Total Environment</i> , <b>2020</b> , 737, 139729	10.2	27
139	Phase boundary engineering of metal-organic-framework-derived carbonaceous nickel selenides for sodium-ion batteries. <i>Nano Research</i> , <b>2020</b> , 13, 2289-2298	10	27
138	Ultrathin NiFe-layered double hydroxide decorated NiCo <sub>2</sub> O <sub>4</sub> arrays with enhanced performance for supercapacitors. <i>Applied Surface Science</i> , <b>2019</b> , 465, 929-936	6.7	27
137	Iron Selenide Microcapsules as Universal Conversion-Typed Anodes for Alkali Metal-Ion Batteries. <i>Small</i> , <b>2021</b> , 17, e2005745	11	27



136	Microwave-assisted fast synthesis of hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanoflower-like supported Ni(OH) <sub>2</sub> nanoparticles with an enhanced electrocatalytic activity towards methanol oxidation. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 172-182	6.8	27
135	Amorphous Iron(III)-Borate Nanolattices as Multifunctional Electrodes for Self-Driven Overall Water Splitting and Rechargeable Zinc-Air Battery. <i>Small</i> , <b>2018</b> , 14, e1802829	11	27
134	Hexagonal boron nitride induces anion trapping in a polyethylene oxide based solid polymer electrolyte for lithium dendrite inhibition. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9579-9589	13	26
133	Variable Fuzzy Set Theory to Assess Water Quality of the Meiliang Bay in Taihu Lake Basin. <i>Water Resources Management</i> , <b>2014</b> , 28, 867-880	3.7	26
132	Hierarchical hybrid sandwiched structure of ultrathin graphene nanosheets enwrapped MnO nanooctahedra with excellent lithium storage capability. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 749, 424-432	5.7	25
131	Hydrophobic Ionic Liquid Gel-Based Triboelectric Nanogenerator: Next Generation of Ultrastable, Flexible, and Transparent Power Sources for Sustainable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15012-15022	9.5	24
130	Rational modulation of N, P co-doped carbon nanotubes encapsulating Co <sub>3</sub> Fe <sub>7</sub> alloy as bifunctional oxygen electrocatalysts for Zinc-Air batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 441, 227177	8.9	24
129	Encapsulated nano-heat-sinks for thermal management of heterogeneous chemical reactions. <i>Nanoscale</i> , <b>2010</b> , 2, 2790-7	7.7	24
128	Understanding the Dual-Phase Synergy Mechanism in MnO-MnO Catalyst for Efficient Li-CO Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33846-33854	9.5	23
127	Facile synthesis of ultrathin and perpendicular NiMn <sub>2</sub> O <sub>4</sub> nanosheets on reduced graphene oxide as advanced electrodes for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1714-1720	6.8	23
126	Low-temperature facile template synthesis of crystalline inorganic composite hollow spheres. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 828-36	4.5	23
125	Highly Stretchable and Transparent Ionic Conductor with Novel Hydrophobicity and Extreme-Temperature Tolerance. <i>Research</i> , <b>2020</b> , 2020, 2505619	7.8	23
124	Stable Luminous Nanocomposites of Confined Mn-Doped Lead Halide Perovskite Nanocrystals in Mesoporous Silica Nanospheres as Orange Fluorophores. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3950-3958	5.1	22
123	Characterization of local electrocatalytic activity of nanosheet-structured ZnCo <sub>2</sub> O <sub>4</sub> /carbon nanotubes composite for oxygen reduction reaction with scanning electrochemical microscopy. <i>Electrochimica Acta</i> , <b>2015</b> , 178, 767-777	6.7	22
122	Firmly combination of CoMnOx nanocrystals supported on N-doped CNT for lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2016</b> , 306, 336-343	14.7	22
121	Deep Phase Transition of MoS <sub>2</sub> for Excellent Hydrogen Evolution Reaction by a Facile C-Doping Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 877-885	9.5	22
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119	Aerosol assisted synthesis of silica/phenolic resin composite mesoporous hollow spheres. <i>Colloid and Polymer Science</i> , <b>2008</b> , 286, 1361-1368	2.4	21

118	High loading cotton cellulose-based aerogel self-standing electrode for Li-S batteries. <i>Science Bulletin</i> , <b>2020</b> , 65, 803-811	10.6	20
117	Hierarchical micro/mesoporous nitrogen-doped carbons derived from hypercrosslinked polymers for highly efficient oxygen reduction reaction. <i>Carbon</i> , <b>2018</b> , 138, 348-356	10.4	20
116	A kriging and entropy-based approach to raingauge network design. <i>Environmental Research</i> , <b>2018</b> , 161, 61-75	7.9	20
115	Tunable growth of perpendicular cobalt ferrite nanosheets on reduced graphene oxide for energy storage. <i>Nanotechnology</i> , <b>2017</b> , 28, 055401	3.4	19
114	Mid- and long-term runoff predictions by an improved phase-space reconstruction model. <i>Environmental Research</i> , <b>2016</b> , 148, 560-573	7.9	19
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111	Transition-Metal Oxides Anchored on Nitrogen-Enriched Carbon Ribbons for High-Performance Pseudocapacitors. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 16104-16112	4.8	18
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109	Functional polymers in electrolyte optimization and interphase design for lithium metal anodes. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13388-13401	13	18
108	A new method for wind speed forecasting based on copula theory. <i>Environmental Research</i> , <b>2018</b> , 160, 365-371	7.9	18
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105	Large scale synthesis of Janus nanotubes and derivative nanosheets by selective etching. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 420, 1-8	9.3	17
104	Synthesis of composite eccentric double-shelled hollow spheres. <i>Polymer</i> , <b>2009</b> , 50, 3943-3949	3.9	17
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101	Mesoporous TiO nanosheets anchored on graphene for ultra long life Na-ion batteries. <i>Nanotechnology</i> , <b>2018</b> , 29, 225401	3.4	15

100	Surface dual-oxidation induced metallic copper doping into NiFe electrodes for electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22889-22897	13	15
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89	Porous carbon and carbon composite hollow spheres. <i>Colloid and Polymer Science</i> , <b>2008</b> , 286, 1093-1096	2.4	12
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11	Singlet Oxygen-Promoted One-Pot Synthesis of Highly Ordered Mesoporous Silica Materials via the Radical Route. <i>Green Chemistry</i> ,	10	1

10	Layered NiPS <sub>3</sub> nanoparticles anchored on two-dimensional nitrogen-doped biochar nanosheets for ultra-high rate sodium-ion storage. <i>Composites Communications</i> , <b>2021</b> , 29, 100988	6.7	o
9	Thermally stable Ni@SiO <sub>2</sub> core-shell nanoparticles for high-temperature solar selective absorber. <i>Solar Energy</i> , <b>2021</b> , 228, 413-417	6.8	o
8	A CoSe <sub>2</sub> -based 3D conductive network for high-performance potassium storage: enhancing charge transportation by encapsulation and restriction strategy. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 5351-5360	7.8	o
7	A Sn doped, strained CuAg film for electrochemical CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 7082-7089	13	o
6	Synthesis of Hollow and Hierarchical NiO Nanosheets Nanotubes and their Application as Supercapacitor Electrodes. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 467, 215-220	0.3	
5	Synthesis of Sandwich-Like Carbon@SnO <sub>2</sub> @Carbon Composite Hollow Microspheres with High Rate Capability and Stability for Lithium-Ion Batteries. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 467, 172-178	1.3	
4	SYNTHESIS OF SUB-MICROMETER CARBON SUPPORTED Fe <sub>3</sub> O <sub>4</sub> HOLLOW SPHERES WITH ENHANCED LITHIUM STORAGE PROPERTIES. <i>Journal of Molecular and Engineering Materials</i> , <b>2013</b> , 01, 1340018	1.3	
3	Highly sensitive electrochemical non-enzymatic glucose biosensor based on squamous NiCo <sub>2</sub> O <sub>4</sub> nanosheets decorated nitrogen-doped reduced graphene oxide. <i>Materials Technology</i> , 1-9	2.1	
2	Current-Density Regulating Lithium Metal Directional Deposition for Long Cycle-Life Li Metal Batteries. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19455-19462	3.6	
1	Rechargeable Zinc-Air Batteries: Amorphous Iron(III)-Borate Nanolattices as Multifunctional Electrodes for Self-Driven Overall Water Splitting and Rechargeable Zinc-Air Battery (Small 48/2018). <i>Small</i> , <b>2018</b> , 14, 1870233	11	