

# Jin-Ping Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176  
papers

18,318  
citations

65  
h-index

134  
g-index

186  
ext. papers

20,166  
ext. citations

8.7  
avg, IF

7.16  
L-index

#	Paper	IF	Citations
176	Iron anode-based aqueous electrochemical energy storage devices: Recent advances and future perspectives <b>2022</b> , 1, 116-139		3
175	Robust cathode-ether electrolyte interphase on interfacial redox assembled fluorophosphate enabling high-rate and ultrastable sodium ion full cells. <i>Nano Energy</i> , <b>2022</b> , 94, 106918	17.1	7
174	Synergistic tuning of electrochemical surface area and surface Co <sup>3+</sup> by oxygen plasma enhances the capacities of Co <sub>3</sub> O <sub>4</sub> lithium-oxygen battery cathodes. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 3491-3491	8.1	3
173	Weak Ionization Induced Interfacial Deposition and Transformation towards Fast-Charging NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Nanowire Bundles for Advanced Aqueous Sodium-Ion Capacitors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101027	15.6	10
172	Designing Polymer-in-Salt Electrolyte and Fully Infiltrated 3D Electrode for Integrated Solid-State Lithium Batteries. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13041-13050	3.6	6
171	Designing Polymer-in-Salt Electrolyte and Fully Infiltrated 3D Electrode for Integrated Solid-State Lithium Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12931-12940	16.4	48
170	Surface-assembled highly flexible Na <sub>3</sub> (VOPO <sub>4</sub> ) <sub>2</sub> F nanocube cathode for high-rate binder-free Na-ion batteries. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 826-829	8.1	8
169	Binder-free electrodes for advanced potassium-ion batteries: A review. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 1299-1308	8.1	3
168	Electrolyte Engineering Toward High-Voltage Aqueous Energy Storage Devices. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 302-306	13	19
167	Synergistic zinc doping and defect engineering toward MoS nanosheet arrays for highly efficient electrocatalytic hydrogen evolution. <i>Dalton Transactions</i> , <b>2021</b> , 50, 5770-5775	4.3	1
166	Electrolyte Concentration Regulation Boosting Zinc Storage Stability of High-Capacity KVO Cathode for Bendable Quasi-Solid-State Zinc Ion Batteries. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 34	19.5	14
165	Surface and Interface Engineering of Nanoarrays toward Advanced Electrodes and Electrochemical Energy Storage Devices. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004959	24	44
164	Rational Designs for Lithium-Sulfur Batteries with Low Electrolyte/Sulfur Ratio. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010499	15.6	23
163	Encapsulating Sulfides into Tridymite/Carbon Reactors Enables Stable Sodium Ion Conversion/Alloying Anode with High Initial Coulombic Efficiency Over 89%. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009598	15.6	9
162	Polymer-in-Salt Solid Electrolytes for Lithium-Ion Batteries <b>2021</b> , 201-216		
161	Array-Structured Double-Ion Cooperative Adsorption Sites as Multifunctional Sulfur Hosts for Lithium-Sulfur Batteries with Low Electrolyte/Sulfur Ratio. <i>ACS Nano</i> , <b>2021</b> , 15, 16322-16334	16.7	2
160	Engineering dual defective graphenes to synergistically improve electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , <b>2021</b> , 566, 150712	6.7	1

159	Carbon-coated TiNbO nanosheet arrays as self-supported high mass-loading anodes for flexible Li-ion batteries. <i>Chemical Communications</i> , <b>2021</b> , 57, 1822-1825	5.8	3
158	A novel bifunctional oxygen electrode architecture enabled by heterostructures self-scaffolding for lithium-oxygen batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 51, 216-221	12	4
157	Oxygen vacancies boosting ultra-stability of mesoporous ZnO-CoO@N-doped carbon microspheres for asymmetric supercapacitors. <i>Science China Materials</i> , <b>2020</b> , 63, 2013-2027	7.1	15
156	Noninterference Revealing of "Layered to Layered" Zinc Storage Mechanism of $\text{MnO}_2$ toward Neutral Zn-Mn Batteries with Superior Performance. <i>Advanced Science</i> , <b>2020</b> , 7, 1902795	13.6	84
155	Novel Hybrid Supercapacitors Based on Nanoarray Electrodes. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2020</b> , 36, 1904049-0	3.8	8
154	Post-annealing tailored 3D cross-linked TiNb <sub>2</sub> O <sub>7</sub> nanorod electrode: towards superior lithium storage for flexible lithium-ion capacitors. <i>Science China Materials</i> , <b>2020</b> , 63, 492-504	7.1	14
153	Combinational Design of Electronic Structure and Nanoarray Architecture Achieves a Low-Overpotential Oxygen Electrode for Aprotic Lithium-Oxygen Batteries. <i>Small Methods</i> , <b>2020</b> , 4, 1900619	12.8	7
152	Hybrid architecture design enhances the areal capacity and cycling life of low-overpotential nanoarray oxygen electrode for lithium-oxygen batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 46, 248-255 <sup>12</sup>	12	7
151	The stability of P2-layered sodium transition metal oxides in ambient atmospheres. <i>Nature Communications</i> , <b>2020</b> , 11, 3544	17.4	88
150	Polymer-in-salt solid electrolytes for lithium-ion batteries. <i>Functional Materials Letters</i> , <b>2019</b> , 12, 1930006.2	6.2	15
149	Electron regulation enabled selective lithium deposition for stable anodes of lithium-metal batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2184-2191	13	26
148	Electrodepositing a 3D porous rGO electrode for efficient hydrogel electrolyte integration towards 1.6 V flexible symmetric supercapacitors. <i>Chemical Communications</i> , <b>2019</b> , 55, 8282-8285	5.8	7
147	Efficient etching of oxygen-incorporated molybdenum disulfide nanosheet arrays for excellent electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , <b>2019</b> , 491, 245-255	6.7	10
146	A binder-free electrode architecture design for lithium-sulfur batteries: a review. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2104-2122	5.1	31
145	Scalable Wire-Type Asymmetric Pseudocapacitor Achieving High Volumetric Energy/Power Densities and Ultralong Cycling Stability of 100 000 Times. <i>Advanced Science</i> , <b>2019</b> , 6, 1802067	13.6	42
144	Definitions of Pseudocapacitive Materials: A Brief Review. <i>Energy and Environmental Materials</i> , <b>2019</b> , 2, 30-37	13	538
143	Ruddlesden-Popper type La <sub>2</sub> NiO <sub>4</sub> + $\delta$ oxide coated by Ag nanoparticles as an outstanding anion intercalation cathode for hybrid supercapacitors. <i>Applied Surface Science</i> , <b>2019</b> , 484, 551-559	6.7	21
142	Flexible quasi-solid-state dual-ion asymmetric supercapacitor based on Ni(OH) <sub>2</sub> and Nb <sub>2</sub> O <sub>5</sub> nanosheet arrays. <i>Green Energy and Environment</i> , <b>2019</b> , 4, 382-390	5.7	19

141	A homogenous mixed coating enabled significant stability and capacity enhancement of iron oxide anodes for aqueous nickel-iron batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 10308-10311	5.8	11
140	A directly grown pristine Cu-CAT metal-organic framework as an anode material for high-energy sodium-ion capacitors. <i>Chemical Communications</i> , <b>2019</b> , 55, 11207-11210	5.8	28
139	Surface carboxyl groups enhance the capacities of carbonaceous oxygen electrodes for aprotic lithium-oxygen batteries: A direct observation on binder-free electrodes. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 2328-2332	8.1	5
138	Sulfur-Induced Interface Engineering of Hybrid NiCo <sub>2</sub> O <sub>4</sub> @NiMo <sub>2</sub> S <sub>4</sub> Structure for Overall Water Splitting and Flexible Hybrid Energy Storage. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1901308	4.6	94
137	A novel synthesis towards a vanadium pentoxide porous nanodisk film as a cathode material for advanced Li-ion hybrid capacitors. <i>Chemical Communications</i> , <b>2019</b> , 56, 70-73	5.8	9
136	Directly grown nanostructured electrodes for high-power and high-stability alkaline nickel/bismuth batteries. <i>Science China Materials</i> , <b>2019</b> , 62, 487-496	7.1	21
135	Ball-flower-like carbon microspheres via a three-dimensional replication strategy as a high-capacity cathode in lithium-oxygen batteries. <i>Science China Materials</i> , <b>2019</b> , 62, 633-644	7.1	6
134	Facile fabrication of Pt/Ni alloy nanoparticles supported on reduced graphene oxide as excellent electrocatalysts for hydrogen evolution reaction in alkaline environment. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	20
133	Synergistic Coupling of Ether Electrolyte and 3D Electrode Enables Titanates with Extraordinary Coulombic Efficiency and Rate Performance for Sodium-Ion Capacitors. <i>Small Methods</i> , <b>2019</b> , 3, 1800371	12.8	33
132	Enhanced performance of solid-state LiO <sub>2</sub> battery using a novel integrated architecture of gel polymer electrolyte and nanoarray cathode. <i>Rare Metals</i> , <b>2018</b> , 37, 527-535	5.5	18
131	Rational Construction of Hollow Core-Branch CoSe Nanoarrays for High-Performance Asymmetric Supercapacitor and Efficient Oxygen Evolution. <i>Small</i> , <b>2018</b> , 14, 1700979	11	130
130	MOF-derived Zn/Mn mixed oxides@carbon hollow disks with robust hierarchical structure for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2974-2983	13	50
129	Bismuth oxide nanoflake@carbon film: A free-standing battery-type electrode for aqueous sodium ion hybrid supercapacitors. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 629-632	8.1	16
128	Supercapacitors. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 551-552	8.1	3
127	A non-polarity flexible asymmetric supercapacitor with nickel nanoparticle@ carbon nanotube three-dimensional network electrodes. <i>Energy Storage Materials</i> , <b>2018</b> , 11, 75-82	19.4	62
126	Perovskite LaNiO <sub>3</sub> -oxide as an anion-intercalated pseudocapacitor electrode. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 381-388	5.7	66
125	Carbon-Glue-Enabled Highly Stable and High-Rate Fe <sub>3</sub> O <sub>4</sub> Nanorod Anode for Flexible Quasi-Solid-State Nickel-Copper//Iron Alkaline Battery. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1801043	4.6	17
124	In-Plane Assembled Orthorhombic Nb <sub>2</sub> O <sub>5</sub> Nanorod Films with High-Rate Li <sup>+</sup> Intercalation for High-Performance Flexible Li-Ion Capacitors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704330	15.6	171

123	One-pot growth of Co(OH) nanowire bundle arrays on in situ functionalized carbon cloth for robust flexible supercapacitor electrodes. <i>Dalton Transactions</i> , <b>2018</b> , 47, 15416-15423	4.3	14
122	A high-tap-density nanosphere-assembled microcluster to simultaneously enable high gravimetric, areal and volumetric capacities: a case study of TiO <sub>2</sub> anode. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 11916-11928	13	9
121	Conformal Multifunctional Titania Shell on Iron Oxide Nanorod Conversion Electrode Enables High Stability Exceeding 30 000 Cycles in Aqueous Electrolyte. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800497	15.6	51
120	Putting Nanoarmors on Yolk-Shell Si@C Nanoparticles: A Reliable Engineering Way To Build Better Si-Based Anodes for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24157-24163	9.5	33
119	Enhancing the performance of nanostructured ZnO as an anode material for lithium-ion batteries by polydopamine-derived carbon coating and confined crystallization. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 764, 545-554	5.7	21
118	Battery-Supercapacitor Hybrid Devices: Recent Progress and Future Prospects. <i>Advanced Science</i> , <b>2017</b> , 4, 1600539	13.6	912
117	Nanoparticle-assembled LiMn <sub>2</sub> O <sub>4</sub> hollow microspheres as high-performance lithium-ion battery cathode. <i>Materials Research Bulletin</i> , <b>2017</b> , 96, 437-442	5.1	13
116	Facile Formation of a Solid Electrolyte Interface as a Smart Blocking Layer for High-Stability Sulfur Cathode. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700273	24	76
115	The effects of structural properties on the lithium storage behavior of mesoporous TiO <sub>2</sub> . <i>Nanotechnology</i> , <b>2017</b> , 28, 265401	3.4	3
114	General synthesis of graphene-supported bicomponent metal monoxides as alternative high-performance Li-ion anodes to binary spinel oxides. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1687-1697	13	26
113	Singlet Fission: Progress and Prospects in Solar Cells. <i>Advanced Materials</i> , <b>2017</b> , 29, 1601652	24	116
112	Vanadium trioxide@carbon nanosheet array-based ultrathin flexible symmetric hydrogel supercapacitors with 2 V voltage and high volumetric energy density. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22216-22223	13	28
111	A Novel Phase-Transformation Activation Process toward Ni-Mn-O Nanoprism Arrays for 2.4 V Ultrahigh-Voltage Aqueous Supercapacitors. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703463	24	202
110	Recent developments on aqueous sodium-ion batteries. <i>Materials Technology</i> , <b>2016</b> , 31, 501-509	2.1	16
109	A Flexible Quasi-Solid-State Nickel-Zinc Battery with High Energy and Power Densities Based on 3D Electrode Design. <i>Advanced Materials</i> , <b>2016</b> , 28, 8732-8739	24	367
108	Novel Dual-Ion Hybrid Supercapacitor Based on a NiCoO Nanowire Cathode and MoO-C Nanofilm Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30232-30238	9.5	77
107	Confined Fe <sub>2</sub> O <sub>3</sub> Nanoparticles on Graphite Foam as High-Rate and Stable Lithium-Ion Battery Anode. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 487-492	3.1	29
106	Direct growth of Fe <sub>3</sub> O <sub>4</sub> -MoO <sub>2</sub> hybrid nanofilm anode with enhanced electrochemical performance in neutral aqueous electrolyte. <i>Progress in Natural Science: Materials International</i> , <b>2016</b> , 26, 258-263	3.6	13

105	Molecular cloning and expression analysis of an 1-aminocyclopropane-1-carboxylate synthase gene from <i>Oncidium Gower Ramsey</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 469, 203-9	3.4	2
104	Integrated copper-nickel oxide mesoporous nanowire arrays for high energy density aqueous asymmetric supercapacitors. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 150-155	10.8	83
103	High-Capacity and Self-Stabilized Manganese Carbonate Microspheres as Anode Material for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 25369-78	9.5	36
102	Bismuth oxide: a versatile high-capacity electrode material for rechargeable aqueous metal-ion batteries. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2881-2891	35.4	178
101	Fabrication and Shell Optimization of Synergistic TiO <sub>2</sub> -MoO <sub>3</sub> Core-Shell Nanowire Array Anode for High Energy and Power Density Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3524-3533	15.6	223
100	A novel Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -based high-performance lithium-ion electrode at elevated temperature. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4938-4944	13	59
99	Integrating large specific surface area and high conductivity in hydrogenated NiCo <sub>2</sub> O <sub>4</sub> double-shell hollow spheres to improve supercapacitors. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e165-e165	10.3	156
98	Design of SnO <sub>2</sub> /C hybrid triple-layer nanospheres as Li-ion battery anodes with high stability and rate capability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2748-2755	13	37
97	Carbon-Stabilized High-Capacity Ferroferric Oxide Nanorod Array for Flexible Solid-State Alkaline Battery-Supercapacitor Hybrid Device with High Environmental Suitability. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 5384-5394	15.6	396
96	Direct Growth of Bismuth Film as Anode for Aqueous Rechargeable Batteries in LiOH, NaOH and KOH Electrolytes. <i>Nanomaterials</i> , <b>2015</b> , 5, 1756-1765	5.4	27
95	Directly grown nanostructured electrodes for high volumetric energy density binder-free hybrid supercapacitors: a case study of CNTs//Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 7780	4.9	95
94	Mechanistic investigation of the charge storage process of pseudocapacitive Fe <sub>3</sub> O <sub>4</sub> nanorod film. <i>Electrochimica Acta</i> , <b>2014</b> , 120, 52-56	6.7	58
93	Carbon nanotube network film directly grown on carbon cloth for high-performance solid-state flexible supercapacitors. <i>Nanotechnology</i> , <b>2014</b> , 25, 035402	3.4	43
92	ZnO nanorod-templated well-aligned ZrO <sub>2</sub> nanotube arrays for fibroblast adhesion and proliferation. <i>Nanotechnology</i> , <b>2014</b> , 25, 215102	3.4	9
91	Topotactic conversion-derived Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /rutile TiO <sub>2</sub> hybrid nanowire array for high-performance lithium ion full cells. <i>RSC Advances</i> , <b>2014</b> , 4, 12950	3.7	26
90	High-voltage and high-rate symmetric supercapacitor based on MnO <sub>2</sub> -polypyrrole hybrid nanofilm. <i>Nanotechnology</i> , <b>2014</b> , 25, 305401	3.4	36
89	Directly Grown K <sub>0.33</sub> WO <sub>3</sub> Nanosheet Film Electrode for Fast Direct Electron Transfer of Protein. <i>ChemElectroChem</i> , <b>2014</b> , 1, 463-470	4.3	3
88	Evolution of disposable bamboo chopsticks into uniform carbon fibers: a smart strategy to fabricate sustainable anodes for Li-ion batteries. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 2670-2679	35.4	219

87	Diffusion-controlled evolution of core-shell nanowire arrays into integrated hybrid nanotube arrays for Li-ion batteries. <i>Nanoscale</i> , <b>2013</b> , 5, 8105-13	7.7	50
86	A carbon modified MnO <sub>2</sub> nanosheet array as a stable high-capacitance supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9809	13	131
85	Flexible solid-state symmetric supercapacitors based on MnO <sub>2</sub> nanofilms with high rate capability and long cyclability. <i>AIP Advances</i> , <b>2013</b> , 3, 082129	1.5	22
84	Template synthesis of hollow fusiform RuO <sub>2</sub> ·xH <sub>2</sub> O nanostructure and its supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 469-472	13	114
83	SnO <sub>2</sub> @Si core-shell nanowire arrays on carbon cloth as a flexible anode for Li ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13433	13	69
82	ZnO nanowire array-templated LbL self-assembled polyelectrolyte nanotube arrays and application for charged drug delivery. <i>Nanotechnology</i> , <b>2013</b> , 24, 045605	3.4	9
81	Construction of high-capacitance 3D CoO@polypyrrole nanowire array electrode for aqueous asymmetric supercapacitor. <i>Nano Letters</i> , <b>2013</b> , 13, 2078-85	11.5	1122
80	Synthesis of ZnO@TiO <sub>2</sub> core-shell long nanowire arrays and their application on dye-sensitized solar cells. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 190, 303-308	3.3	37
79	Template synthesis of SnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> nanotube array for 3D lithium ion battery anode with large areal capacity. <i>Nanoscale</i> , <b>2012</b> , 4, 2760-5	7.7	136
78	Recent advances in metal oxide-based electrode architecture design for electrochemical energy storage. <i>Advanced Materials</i> , <b>2012</b> , 24, 5166-80	24	2029
77	Mixed Ni/Cu-oxide nanowire array on conductive substrate and its application as enzyme-free glucose sensor. <i>Analytical Methods</i> , <b>2012</b> , 4, 4003	3.2	39
76	Three-dimensional tubular arrays of MnO <sub>2</sub> /NiO nanoflakes with high areal pseudocapacitance. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2419-2426		382
75	Quantum-dot-sensitized TiO <sub>2</sub> inverse opals for photoelectrochemical hydrogen generation. <i>Small</i> , <b>2012</b> , 8, 37-42	11	196
74	Inverse Opals: Quantum-Dot-Sensitized TiO <sub>2</sub> Inverse Opals for Photoelectrochemical Hydrogen Generation (Small 1/2012). <i>Small</i> , <b>2012</b> , 8, 36-36	11	4
73	Composition-Graded Zn <sub>x</sub> Cd <sub>1-x</sub> [email protected] Core-Shell Nanowire Array Electrodes for Photoelectrochemical Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 3802-3807	3.8	72
72	A novel evolution strategy to fabricate a 3D hierarchical interconnected core-shell Ni/MnO <sub>2</sub> hybrid for Li-ion batteries. <i>Chemical Communications</i> , <b>2012</b> , 48, 7471-3	5.8	36
71	Synthesis of Fe <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> core-shell nanorod film and its application as a thin-film supercapacitor electrode. <i>Chemical Communications</i> , <b>2012</b> , 48, 5010-2	5.8	163
70	CNT/Ni hybrid nanostructured arrays: synthesis and application as high-performance electrode materials for pseudocapacitors. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 5000	35.4	116

69	CNT-network modified Ni nanostructured arrays for high performance non-enzymatic glucose sensors. <i>RSC Advances</i> , <b>2011</b> , 1, 1020	3.7	72
68	Hybrid structure of cobalt monoxide nanowire @ nickel hydroxidenitrate nanoflake aligned on nickel foam for high-rate supercapacitor. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 4496	35.4	365
67	A general strategy toward graphene@metal oxide core-shell nanostructures for high-performance lithium storage. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 4954	35.4	241
66	Fabrication of Co <sub>3</sub> O <sub>4</sub> -reduced graphene oxide scrolls for high-performance supercapacitor electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 14462-5	3.6	192
65	Ultrathin nickel hydroxidenitrate nanoflakes branched on nanowire arrays for high-rate pseudocapacitive energy storage. <i>Chemical Communications</i> , <b>2011</b> , 47, 3436-8	5.8	156
64	UV-resistant superhydrophobic BiOCl nanoflake film by a room-temperature hydrolysis process. <i>Dalton Transactions</i> , <b>2011</b> , 40, 6632-4	4.3	43
63	Building one-dimensional oxide nanostructure arrays on conductive metal substrates for lithium-ion battery anodes. <i>Nanoscale</i> , <b>2011</b> , 3, 45-58	7.7	306
62	Large-scale uniform Fe(OH) <sub>2</sub> nanowire arrays grown on graphite as pseudocapacitor electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 99-103	9.5	142
61	Preparation of nickel oxide and carbon nanosheet array and its application in glucose sensing. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2738-2743	3.3	43
60	Epitaxial Growth of Branched Fe <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> Nano-Heterostructures with Improved Lithium-Ion Battery Performance. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 2439-2445	15.6	408
59	Co <sub>3</sub> O <sub>4</sub> Nanowire@MnO <sub>2</sub> ultrathin nanosheet core/shell arrays: a new class of high-performance pseudocapacitive materials. <i>Advanced Materials</i> , <b>2011</b> , 23, 2076-81	24	1176
58	Energy Storage: Co <sub>3</sub> O <sub>4</sub> Nanowire@MnO <sub>2</sub> Ultrathin Nanosheet Core/Shell Arrays: A New Class of High-Performance Pseudocapacitive Materials (Adv. Mater. 18/2011). <i>Advanced Materials</i> , <b>2011</b> , 23, 2075-2075 <sup>23</sup>	24	2075 <sup>23</sup>
57	Tailored NiCu alloy hierarchical porous nanowire as a potential efficient catalyst for DMFCs. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 1406	5.5	49
56	CoFe layered double hydroxide nanowall array grown from an alloy substrate and its calcined product as a composite anode for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 15969		61
55	One-step synthesis of NH <sub>2</sub> -graphene from in situ graphene-oxide reduction and its improved electrochemical properties. <i>Carbon</i> , <b>2011</b> , 49, 3250-3257	10.4	322
54	Direct synthesis of porous NiO nanowall arrays on conductive substrates for supercapacitor application. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 578-583	3.3	94
53	C@ZnO nanorod array-based hydrazine electrochemical sensor with improved sensitivity and stability. <i>Dalton Transactions</i> , <b>2010</b> , 39, 8693-7	4.3	109
52	Direct Synthesis of CoO Porous Nanowire Arrays on Ti Substrate and Their Application as Lithium-Ion Battery Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 929-932	3.8	162



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50	Large-Scale Porous Hematite Nanorod Arrays: Direct Growth on Titanium Foil and Reversible Lithium Storage. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21158-21164	3.8	94
49	Carbon-modified Bi <sub>2</sub> WO <sub>6</sub> nanostructures with improved photocatalytic activity under visible light. <i>Dalton Transactions</i> , <b>2010</b> , 39, 3420-5	4.3	97
48	Density- and adhesion-controlled ZnO nanorod arrays on the ITO flexible substrates and their electrochromic performance. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 507, 261-266	5.7	31
47	Iron Oxide-Based Nanotube Arrays Derived from Sacrificial Template-Accelerated Hydrolysis: Large-Area Design and Reversible Lithium Storage. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 212-217	9.6	298
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45	Carbon-Coated SnO <sub>2</sub> Nanorod Array for Lithium-Ion Battery Anode Material. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 649-653	5	47
44	Tin oxide nanorod array-based electrochemical hydrogen peroxide biosensor. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 1177-81	5	37
43	Copper nanowall array grown on bulk Fe <sub>3</sub> CoNi alloy substrate at room temperature as lithium-ion battery current collector. <i>Thin Solid Films</i> , <b>2010</b> , 518, 6876-6882	2.2	5
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41	A General Solution Synthesis Route to ZnO-Based Nanorod Arrays on Ceramic/Silicon/Quartz Glass/Metal Substrates. <i>Science of Advanced Materials</i> , <b>2010</b> , 2, 396-401	2.3	23
40	Self-assembly of Bi <sub>2</sub> WO <sub>6</sub> square nanoplates into hierarchical structures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 1530-4	1.3	5
39	Carbon-decorated ZnO nanowire array: A novel platform for direct electrochemistry of enzymes and biosensing applications. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 202-205	5.1	170
38	Carbon/ZnO Nanorod Array Electrode with Significantly Improved Lithium Storage Capability. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 5336-5339	3.8	189
37	Direct growth of SnO <sub>2</sub> nanorod array electrodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1859		263
36	High surface area ZnO-carbon composite tubular arrays based on the Kirkendall effect and in situ Zn evaporation. <i>Chemical Communications</i> , <b>2009</b> , 4548-50	5.8	17
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32	Single-crystalline ZnO nanowires on zinc substrate by a simple hydrothermal synthesis method. <i>Materials Letters</i> , <b>2008</b> , 62, 2507-2511	3-3	19
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24	Hydrothermal Synthesis of Bi <sub>2</sub> WO <sub>6</sub> Uniform Hierarchical Microspheres. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 1350-1355	3-5	324
23	Formation of ZnO three-side teethed nanostructures. <i>Materials Letters</i> , <b>2007</b> , 61, 1756-1759	3-3	9
22	Fabrication and characterization of TiO <sub>2</sub> /short MWNTs with enhanced photocatalytic activity. <i>Materials Letters</i> , <b>2007</b> , 61, 2467-2472	3-3	46
21	Growth and comparison of different morphologic ZnO nanorod arrays by a simple aqueous solution route. <i>Materials Letters</i> , <b>2007</b> , 61, 4362-4365	3-3	27
20	Synthesis of hierarchical barium tungstate corns and their shape evolution process. <i>Materials Letters</i> , <b>2007</b> , 61, 5250-5254	3-3	10
19	Synthesis and optical properties of heterostructured ZnO:S/ZnO nanosaws. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 7662-7668	3	11
18	Synthesis and optical properties of partially S-doped ZnO symmetric three-sided feather-like nanostructures. <i>Smart Materials and Structures</i> , <b>2007</b> , 16, 1736-1741	3-4	12
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11	Preparation and photoluminescence of ZnO complex structures with controlled morphology. <i>Materials Letters</i> , <b>2006</b> , 60, 1354-1359	3-3	39
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