

# Yong Lei

## List of Publications by Citations

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254  
papers

14,458  
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64  
h-index

112  
g-index

277  
ext. papers

16,589  
ext. citations

10.3  
avg, IF

6.97  
L-index

#	Paper	IF	Citations
254	Controllable disorder engineering in oxygen-incorporated MoS <sub>2</sub> ultrathin nanosheets for efficient hydrogen evolution. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17881-8	16.4	1750
253	Highly nitrogen doped carbon nanofibers with superior rate capability and cyclability for potassium ion batteries. <i>Nature Communications</i> , <b>2018</b> , 9, 1720	17.4	612
252	Preparation and photoluminescence of highly ordered TiO <sub>2</sub> nanowire arrays. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 1125-1127	3.4	544
251	Catalytic Growth of Semiconducting In <sub>2</sub> O <sub>3</sub> Nanofibers. <i>Advanced Materials</i> , <b>2001</b> , 13, 1330	24	387
250	Potassium Prussian Blue Nanoparticles: A Low-Cost Cathode Material for Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604307	15.6	310
249	Extended $\pi$ -conjugated system for fast-charge and -discharge sodium-ion batteries. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3124-30	16.4	275
248	Photoelectrodes based upon Mo:BiVO <sub>4</sub> inverse opals for photoelectrochemical water splitting. <i>ACS Nano</i> , <b>2014</b> , 8, 7088-98	16.7	252
247	Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2954-2962	35.4	246
246	Highly ordered nanostructures with tunable size, shape and properties: A new way to surface nano-patterning using ultra-thin alumina masks. <i>Progress in Materials Science</i> , <b>2007</b> , 52, 465-539	42.2	217
245	Spatial distribution of neutral oxygen vacancies on ZnO nanowire surfaces: An investigation combining confocal microscopy and first principles calculations. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 034901	2.5	211
244	Fabrication, characterization and Raman study of TiO <sub>2</sub> nanowire arrays prepared by anodic oxidative hydrolysis of TiCl <sub>3</sub> . <i>Chemical Physics Letters</i> , <b>2001</b> , 338, 231-236	2.5	182
243	Surface patterning using templates: concept, properties and device applications. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 1247-58	58.5	172
242	A convenient route to polyacrylonitrile/silver nanoparticle composite by simultaneous polymerization-reduction approach. <i>Polymer</i> , <b>2001</b> , 42, 8315-8318	3.9	163
241	First-principles investigation of the size-dependent structural stability and electronic properties of O-vacancies at the ZnO polar and non-polar surfaces. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 014304	2.5	158
240	Organic materials for rechargeable sodium-ion batteries. <i>Materials Today</i> , <b>2018</b> , 21, 60-78	21.8	152
239	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8768-71	16.4	150
238	Controllable growth and field-effect property of monolayer to multilayer microstripes of an organic semiconductor. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8807-9	16.4	146

237	Nanoarchitected Array Electrodes for Rechargeable Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502514	21.8	140
236	Fabrication and Structural Characterization of Large-Scale Uniform SnO <sub>2</sub> Nanowire Array Embedded in Anodic Alumina Membrane. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 3859-3861	9.6	135
235	Puzzles and confusions in supercapacitor and battery: Theory and solutions. <i>Journal of Power Sources</i> , <b>2018</b> , 401, 213-223	8.9	133
234	Multiple nanostructures based on anodized aluminium oxide templates. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 244-250	28.7	132
233	Fe(III) modified BiOCl ultrathin nanosheet towards high-efficient visible-light photocatalyst. <i>Nano Energy</i> , <b>2016</b> , 30, 109-117	17.1	130
232	Morphology-Controlled Growth of Large-Area Two-Dimensional Ordered Pore Arrays. <i>Advanced Functional Materials</i> , <b>2004</b> , 14, 283-288	15.6	125
231	Highly Ordered Three-Dimensional Ni-TiO <sub>2</sub> Nanoarrays as Sodium Ion Battery Anodes. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4274-4280	9.6	124
230	Recent Advances in Designing and Fabricating Self-Supported Nanoelectrodes for Supercapacitors. <i>Advanced Science</i> , <b>2017</b> , 4, 1700188	13.6	122
229	Efficacious engineering on charge extraction for realizing highly efficient perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 2570-2578	35.4	122
228	High performance supercapacitor for efficient energy storage under extreme environmental temperatures. <i>Nano Energy</i> , <b>2014</b> , 8, 231-237	17.1	118
227	Manipulation of Disodium Rhodizonate: Factors for Fast-Charge and Fast-Discharge Sodium-Ion Batteries with Long-Term Cyclability. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1777-1786	15.6	117
226	Surface Nanometer-Scale Patterning in Realizing Large-Scale Ordered Arrays of Metallic Nanoshells with Well-Defined Structures and Controllable Properties. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2527-2533	15.6	115
225	Hexagonal prism-like hierarchical Co <sub>9</sub> S <sub>8</sub> @Ni(OH) <sub>2</sub> core-shell nanotubes on carbon fibers for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22782-22789	13	111
224	MOF-derived hierarchical nanosheet arrays constructed by interconnected NiCo-alloy@NiCo-sulfide core-shell nanoparticles for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 666-676	14.7	111
223	Highly Reproducible and Sensitive SERS Substrates with Ag Inter-Nanoparticle Gaps of 5 nm Fabricated by Ultrathin Aluminum Mask Technique. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13322-13328	9.5	108
222	Self-templated transformation of MOFs into layered double hydroxide nanoarrays with selectively formed Co <sub>9</sub> S <sub>8</sub> for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 716-726	14.7	107
221	Highly ordered arrays of metal/semiconductor core-shell nanoparticles with tunable nanostructures and photoluminescence. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1487-92	16.4	107
220	Template-Confined Dewetting Process to Surface Nanopatterns: Fabrication, Structural Tunability, and Structure-Related Properties. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 2446-2455	15.6	106

219	Constructing a AZO/TiO <sub>2</sub> Core/Shell Nanocone Array with Uniformly Dispersed Au NPs for Enhancing Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501496	21.8	106
218	Shape and Size Control of Regularly Arrayed Nanodots Fabricated Using Ultrathin Alumina Masks. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 580-585	9.6	99
217	p-Type CuBi <sub>2</sub> O <sub>4</sub> : an easily accessible photocathodic material for high-efficiency water splitting. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8995-9001	13	95
216	Advances on three-dimensional electrodes for micro-supercapacitors: A mini-review. <i>Information Materials</i> , <b>2019</b> , 1, 74-84	23.1	91
215	Self-supported metallic nanopore arrays with highly oriented nanoporous structures as ideally nanostructured electrodes for supercapacitor applications. <i>Advanced Materials</i> , <b>2014</b> , 26, 7654-9	24	89
214	Fabrication and characterization of highly ordered Au nanowire arrays. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 1732-1734		89
213	A complete three-dimensionally nanostructured asymmetric supercapacitor with high operating voltage window based on PPy and MnO <sub>2</sub> . <i>Nano Energy</i> , <b>2014</b> , 10, 63-70	17.1	88
212	Manipulation of charge transfer and transport in plasmonic-ferroelectric hybrids for photoelectrochemical applications. <i>Nature Communications</i> , <b>2016</b> , 7, 10348	17.4	86
211	In Situ Synthesis and Phase Change Properties of Na <sub>2</sub> SO <sub>4</sub> ·10H <sub>2</sub> O@SiO <sub>2</sub> Solid Nanobowls toward Smart Heat Storage. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 20061-20066	3.8	86
210	Amorphous TiO <sub>2</sub> inverse opal anode for high-rate sodium ion batteries. <i>Nano Energy</i> , <b>2017</b> , 31, 514-524	17.1	85
209	Self-Stacked Reduced Graphene Oxide Nanosheets Coated with Cobalt-Nickel Hydroxide by One-Step Electrochemical Deposition toward Flexible Electrochromic Supercapacitors. <i>Small</i> , <b>2015</b> , 11, 4666-72	11	82
208	Hierarchical surface rough ordered Au particle arrays and their surface enhanced Raman scattering. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 181918	3.4	82
207	Template-directed construction of nanostructure arrays for highly-efficient energy storage and conversion. <i>Nano Energy</i> , <b>2015</b> , 13, 790-813	17.1	81
206	Designing Heterogeneous 1D Nanostructure Arrays Based on AAO Templates for Energy Applications. <i>Small</i> , <b>2015</b> , 11, 3408-28	11	81
205	Switchable charge-transfer in the photoelectrochemical energy-conversion process of ferroelectric BiFeO <sub>3</sub> photoelectrodes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11027-31	16.4	80
204	In Situ Formation of Co <sub>9</sub> S <sub>8</sub> Quantum Dots in MOF-Derived Ternary Metal Layered Double Hydroxide Nanoarrays for High-Performance Hybrid Supercapacitors. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903193	21.8	74
203	A metal-organic framework-derived bifunctional catalyst for hybrid sodium-air batteries. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 241, 407-414	21.8	73
202	Enhancing potassium-ion battery performance by defect and interlayer engineering. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 202-207	10.8	73

201	Spatiotemporal Photopatterning on Polycarbonate Surface through Visible Light Responsive Polymer Bound DASA Compounds. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 1273-1277	6.6	72
200	Highly Controllable Surface Plasmon Resonance Property by Heights of Ordered Nanoparticle Arrays Fabricated via a Nonlithographic Route. <i>ACS Nano</i> , <b>2015</b> , 9, 4583-90	16.7	71
199	Oxygen vacancies: Effective strategy to boost sodium storage of amorphous electrode materials. <i>Nano Energy</i> , <b>2017</b> , 38, 304-312	17.1	70
198	One-step synthesis of architectural Ni <sub>3</sub> S <sub>2</sub> nanosheet-on-nanorods array for use as high-performance electrodes for supercapacitors. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e300-e300	10.3	69
197	Sub-100-nm nanoparticle arrays with perfect ordering and tunable and uniform dimensions fabricated by combining nanoimprinting with ultrathin alumina membrane technique. <i>ACS Nano</i> , <b>2014</b> , 8, 3862-8	16.7	68
196	Visible-light-enhanced gating effect at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Nature Communications</i> , <b>2014</b> , 5, 5554	17.4	68
195	Template assisted fabrication of free-standing MnO <sub>2</sub> nanotube and nanowire arrays and their application in supercapacitors. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 053904	3.4	68
194	Hierarchical structured Ni nanoring and hollow sphere arrays by morphology inheritance based on ordered through-pore template and electrodeposition. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 15729-33	3.4	68
193	Cost-effective atomic layer deposition synthesis of Pt nanotube arrays: application for high performance supercapacitor. <i>Small</i> , <b>2014</b> , 10, 3162-8	11	65
192	Large-Scale Fabrication of Three-Dimensional Surface Patterns Using Template-Defined Electrochemical Deposition. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 720-730	15.6	65
191	Fabrication, characterization, and photoluminescence properties of highly ordered TiO <sub>2</sub> nanowire arrays. <i>Journal of Materials Research</i> , <b>2001</b> , 16, 1138-1144	2.5	65
190	Ultrathin alumina membranes for surface nanopatterning in fabricating quantum-sized nanodots. <i>Small</i> , <b>2010</b> , 6, 695-9	11	63
189	Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3580-3588	15.6	62
188	Magnetocaloric effects in a freestanding and flexible graphene-based superlattice synthesized with a spatially confined reaction. <i>Nature Communications</i> , <b>2014</b> , 5, 3960	17.4	62
187	Building of anti-restack 3D BiOCl hierarchy by ultrathin nanosheets towards enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 176-177, 331-337	21.8	61
186	An ab-initio study of the structural, electronic and magnetic properties of half-metallic ferromagnetism in Cr-doped BeSe and BeTe. <i>Solid State Sciences</i> , <b>2012</b> , 14, 1525-1535	3.4	61
185	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 9182-9187	24	59
184	Highly ordered CdS nanoparticle arrays on silicon substrates and photoluminescence properties. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 103106	3.4	59

183	Recent progress on surface pattern fabrications based on monolayer colloidal crystal templates and related applications. <i>Nanoscale</i> , <b>2011</b> , 3, 2768-82	7.7	58
182	Realizing ordered arrays of nanostructures: A versatile platform for converting and storing energy efficiently. <i>Nano Energy</i> , <b>2016</b> , 19, 328-362	17.1	56
181	In Situ Encapsulation of Iron Complex Nanoparticles into Biomass-Derived Heteroatom-Enriched Carbon Nanotubes for High-Performance Supercapacitors. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803221	21.8	56
180	Origins of Boosted Charge Storage on Heteroatom-Doped Carbons. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7928-7933	16.4	54
179	A sonochemical approach to the confined synthesis of palladium nanoparticles in mesoporous silica. <i>Materials Letters</i> , <b>2001</b> , 50, 53-56	3.3	54
178	Anchor effect in poly(styrene maleic anhydride)/TiO <sub>2</sub> nanocomposites. <i>Journal of Materials Science Letters</i> , <b>1999</b> , 18, 2009-2012		54
177	Fabrication of large-scale zinc oxide ordered pore arrays with controllable morphology. <i>Chemical Communications</i> , <b>2004</b> , 1604-5	5.8	53
176	Self-supported carbon coated TiN nanotube arrays: innovative carbon coating leads to an improved cycling ability for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3465-3470	13	52
175	Evaluating the Role of Nanostructured Current Collectors in Energy Storage Capability of Supercapacitor Electrodes with Thick Electroactive Materials Layers. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705107	15.6	50
174	Self-Supported BiMoO Nanowall for Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23647-23653	9.5	49
173	Hollow ternary PtPdCu nanoparticles: a superior and durable cathodic electrocatalyst. <i>Chemical Science</i> , <b>2015</b> , 6, 3038-3043	9.4	49
172	Recent Research Progress of Anode Materials for Potassium-ion Batteries. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 105-120	13	49
171	1-Dimensional AgVO <sub>3</sub> nanowires hybrid with 2-dimensional graphene nanosheets to create 3-dimensional composite aerogels and their improved electrochemical properties. <i>Nanoscale</i> , <b>2014</b> , 6, 3536-9	7.7	49
170	Degenerating Plasmonic Modes to Enhance the Performance of Surface Plasmon Resonance for Application in Solar Energy Conversion. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501654	21.8	49
169	MnO <sub>2</sub> -coated Ni nanorods: Enhanced high rate behavior in pseudo-capacitive supercapacitor. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 7454-7459	6.7	49
168	Heterogeneous nanostructure array for electrochemical energy conversion and storage. <i>Nano Today</i> , <b>2018</b> , 20, 33-57	17.9	48
167	Well-Defined Nanostructures for Electrochemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2001537	21.8	47
166	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600468	21.8	46

165	Size control and charge storage mechanism of germanium nanocrystals in a metal-insulator-semiconductor structure. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3639-3641	3.4	45
164	3D Nanostructures for the Next Generation of High-Performance Nanodevices for Electrochemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001460	21.8	44
163	Unexpected intercalation-dominated potassium storage in WS <sub>2</sub> as a potassium-ion battery anode. <i>Nano Research</i> , <b>2019</b> , 12, 2997-3002	10	44
162	A highly efficient visible-light driven photocatalyst: two dimensional square-like bismuth oxyiodine nanosheets. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9549-56	4.3	44
161	Observation of defect state in highly ordered titanium dioxide nanotube arrays. <i>Nanotechnology</i> , <b>2014</b> , 25, 275603	3.4	42
160	Insights into the Crystallinity of Layer-Structured Transition Metal Dichalcogenides on Potassium Ion Battery Performance: A Case Study of Molybdenum Disulfide. <i>Small</i> , <b>2019</b> , 15, e1900497	11	41
159	Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600448	21.8	40
158	Electrochemically Created Highly Surface Roughened Ag Nanoplate Arrays for SERS Biosensing Applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 8350-8356	7.1	40
157	Assorted analytical and spectroscopic techniques for the optimization of the defect-related properties in size-controlled ZnO nanowires. <i>Nanoscale</i> , <b>2011</b> , 3, 4830-9	7.7	40
156	Ammonium Vanadium Bronze as a Potassium-Ion Battery Cathode with High Rate Capability and Cyclability. <i>Small Methods</i> , <b>2019</b> , 3, 1800349	12.8	40
155	Three-Dimensional Plasmonic Nanostructure Design for Boosting Photoelectrochemical Activity. <i>ACS Nano</i> , <b>2017</b> , 11, 7382-7389	16.7	39
154	Ultra-low mass loading of platinum nanoparticles on bacterial cellulose derived carbon nanofibers for efficient hydrogen evolution. <i>Catalysis Today</i> , <b>2016</b> , 262, 141-145	5.3	38
153	Facile synthesis of hierarchical fern leaf-like Sb and its application as an additive-free anode for fast reversible Na-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1749-1755	13	38
152	Highly efficient solar cells based on Cl incorporated tri-cation perovskite materials. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13725-13734	13	37
151	A transparent CdS@TiO <sub>2</sub> nanotextile photoanode with boosted photoelectrocatalytic efficiency and stability. <i>Nanoscale</i> , <b>2017</b> , 9, 15650-15657	7.7	37
150	Graphene-Sensitized Perovskite Oxide Monolayer Nanosheets for Efficient Photocatalytic Reaction. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1806284	15.6	37
149	Facile Transferring of Wafer-Scale Ultrathin Alumina Membranes onto Substrates for Nanostructure Patterning. <i>ACS Nano</i> , <b>2015</b> , 9, 8584-91	16.7	35
148	Template-Guided Programmable Janus Heteronanostructure Arrays for Efficient Plasmonic Photocatalysis. <i>Nano Letters</i> , <b>2018</b> , 18, 4914-4921	11.5	34

147	Large-Scale Ordered Carbon Nanotube Arrays Initiated from Highly Ordered Catalyst Arrays on Silicon Substrates. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2757-2761	9.6	34
146	CuMnO <sub>2</sub> -reduced graphene oxide nanocomposite as a free-standing electrode for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121966	14.7	33
145	Bismuth oxychloride nanoflake assemblies as a new anode for potassium ion batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 6507-6510	5.8	33
144	Oxygen-functionalized soft carbon nanofibers as high-performance cathode of K-ion hybrid capacitor. <i>Nano Energy</i> , <b>2020</b> , 72, 104661	17.1	33
143	Nanoelectrode design from microminiaturized honeycomb monolith with ultrathin and stiff nanoscaffold for high-energy micro-supercapacitors. <i>Nature Communications</i> , <b>2020</b> , 11, 299	17.4	33
142	Construction of point-line-plane (0-1-2 dimensional) Fe <sub>2</sub> O <sub>3</sub> -SnO <sub>2</sub> /graphene hybrids as the anodes with excellent lithium storage capability. <i>Nano Research</i> , <b>2017</b> , 10, 121-133	10	33
141	A mini review: Functional nanostructuring with perfectly-ordered anodic aluminum oxide template for energy conversion and storage. <i>Frontiers of Chemical Science and Engineering</i> , <b>2018</b> , 12, 481-493	4.5	32
140	Fabrication and characterization of well-aligned, high density ZnO nanowire arrays and their realizations in Schottky device applications using a two-step approach. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7090		32
139	Synthesis of germanium nanodots on silicon using an anodic alumina membrane mask. <i>Journal of Crystal Growth</i> , <b>2004</b> , 268, 560-563	1.6	32
138	Hierarchical Sb-Ni nanoarrays as robust binder-free anodes for high-performance sodium-ion half and full cells. <i>Nano Research</i> , <b>2017</b> , 10, 3189-3201	10	31
137	All-Solid-State Cable-Type Supercapacitors with Ultrahigh Rate Capability. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1, 1600012	6.8	31
136	Anode materials for potassium-ion batteries: Current status and prospects <b>2020</b> , 2, 350-369		30
135	A General Strategy for Fabricating Unique Carbide Nanostructures with Excitation Wavelength-Dependent Light Emissions. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7279-7284	3.8	30
134	Insights into the Influence of Work Functions of Cathodes on Efficiencies of Perovskite Solar Cells. <i>Small</i> , <b>2017</b> , 13, 1700007	11	29
133	Fully understanding the positive roles of plasmonic nanoparticles in ameliorating the efficiency of organic solar cells. <i>Nanoscale</i> , <b>2015</b> , 7, 15251-7	7.7	29
132	Review on Recent Advances of Cathode Materials for Potassium-ion Batteries. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 56-66	13	28
131	Carrier Mobility-Dominated Gas Sensing: A Room-Temperature Gas-Sensing Mode for SnO Nanorod Array Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 13895-13902	9.5	28
130	Nano-engineering of three-dimensional core/shell nanotube arrays for high performance supercapacitors. <i>Journal of Power Sources</i> , <b>2014</b> , 256, 37-42	8.9	28



129	Switchable Charge-Transfer in the Photoelectrochemical Energy-Conversion Process of Ferroelectric BiFeO <sub>3</sub> Photoelectrodes. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11207-11211	3.6	28
128	Review on Nanoarchitected Current Collectors for Pseudocapacitors. <i>Small Methods</i> , <b>2019</b> , 3, 1800341	12.8	28
127	Facile surface treatment on Cu <sub>2</sub> O photocathodes for enhancing the photoelectrochemical response. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 198, 398-403	21.8	27
126	Large-scale highly ordered arrays of freestanding magnetic nanowires. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 16627		27
125	MoS <sub>2</sub> nanosheets with expanded interlayer spacing for enhanced sodium storage. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 3099-3105	6.8	27
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123	Ordered nanoporous nickel films and their magnetic properties. <i>Chemical Physics Letters</i> , <b>2003</b> , 380, 313-318	3.8	26
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