

# Yong Lei

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/23338/yong-lei-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

254  
papers

14,458  
citations

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	Construction of Co <sub>0.85</sub> Se@nickel nanopores array hybrid electrode for high-performance asymmetric supercapacitors. <i>Chemical Engineering Science</i> , <b>2022</b> , 247, 117081	4.4	2
253	Well-defined nanostructuring with designable anodic aluminum oxide template.. <i>Nature Communications</i> , <b>2022</b> , 13, 2435	17.4	4
252	An overview of metal-organic frameworks derived carbon as anode materials for sodium- and potassium-ion batteries. <i>Materials Today Sustainability</i> , <b>2022</b> , 100156	5	
251	Efficient Organic Solar Cells Enabled by Simple Non-Fused Electron Donors with Low Synthetic Complexity. <i>Small</i> , <b>2021</b> , e2104623	11	7
250	Carbon-Free Crystal-like FeS as an Anode for Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 55218-55226	9.5	4
249	Benchmark Experiment to Prove the Role of Projectile Excited States Upon the Ion Stopping in Plasmas. <i>Physical Review Letters</i> , <b>2021</b> , 126, 115001	7.4	10
248	High-Performance Quasi-Solid-State Na-Air Battery via Gel Cathode by Confining Moisture. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2011151	15.6	5
247	Enhanced Potassium Storage Capability of Two-Dimensional Transition-Metal Chalcogenides Enabled by a Collective Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 18838-18848	9.5	10
246	Electrical Conductivity Adjustment for Interface Capacitive-Like Storage in Sodium-Ion Battery. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101081	15.6	8
245	Nanostructured arrays for metal on battery and metal air battery applications. <i>Journal of Power Sources</i> , <b>2021</b> , 493, 229722	8.9	8
244	Recent Development of Electrocatalytic CO Reduction Application to Energy Conversion. <i>Small</i> , <b>2021</b> , 17, e2100323	11	12
243	Bismuth Nanoparticles Confined in Carbonaceous Nanospheres as Anodes for High-Performance Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 31766-31774	9.5	9
242	Gas-Flow-Assisted Wrinkle-Free Transfer of a Centimeter-Scale Ultrathin Alumina Membrane onto Arbitrary Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35124-35132	9.5	0
241	Well-Defined Nanostructures for Electrochemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2001537	21.8	47
240	Hollow submicrospheres of trimetallic selenides for high-capacity lithium and sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126724	14.7	19
239	Biomass-derived highly dispersed Co/Co <sub>9</sub> S <sub>8</sub> nanoparticles encapsulated in S, N-co-doped hierarchically porous carbon as an efficient catalyst for hybrid Na O <sub>2</sub> batteries. <i>Materials Today Energy</i> , <b>2021</b> , 19, 100594	7	9
238	Template-assisted fabrication of Ag-nanoparticles@ZnO-nanorods array as recyclable 3D surface enhanced Raman scattering substrate for rapid detection of trace pesticides. <i>Nanotechnology</i> , <b>2021</b> , 32, 145302	3.4	12

237	Recent advances in ferromagnetic metal sulfides and selenides as anodes for sodium- and potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 9506-9534	13	22
236	Bismuth selenide nanosheets confined in thin carbon layers as anode materials for advanced potassium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 4267-4275	6.8	2
235	Insight into Nickel-Cobalt Oxysulfide Nanowires as Advanced Anode for Sodium-Ion Capacitors. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100408	21.8	12
234	Incorporating ultra-small N-doped Mo <sub>2</sub> C nanoparticles onto 3D N-doped flower-like carbon nanospheres for robust electrocatalytic hydrogen evolution. <i>Nano Energy</i> , <b>2021</b> , 86, 106047	17.1	20
233	Updated Insights into 3D Architecture Electrodes for Micropower Sources. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103304	24	5
232	A highly robust self-supporting nickel nanoarray based on anodic alumina oxide template for determination of dopamine. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 350, 130835	8.5	0
231	Ordered nanostructures arrays fabricated by anodic aluminum oxide (AAO) template-directed methods for energy conversion. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	3
230	Insights into the interfacial chemistry and conversion mechanism of iron oxalate toward the reduction by lithium. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131446	14.7	1
229	Structural and local electronic properties of clean and Li-intercalated graphene on SiC(0001). <i>Surface Science</i> , <b>2020</b> , 699, 121638	1.8	5
228	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
227	Anode materials for potassium-ion batteries: Current status and prospects <b>2020</b> , 2, 350-369		30
226	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
225	Ultrathin Na <sub>2</sub> Ti <sub>2</sub> O <sub>4</sub> (OH) <sub>2</sub> nanowall for boosting sodium storage. <i>Materials Letters</i> , <b>2020</b> , 269, 127649	3.3	2
224	A hybrid solid electrolyte for solid-state sodium ion batteries with good cycle performance. <i>Nanotechnology</i> , <b>2020</b> , 31, 425401	3.4	13
223	Origins of Boosted Charge Storage on Heteroatom-Doped Carbons. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8002-8007	3.6	8
222	Origins of Boosted Charge Storage on Heteroatom-Doped Carbons. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7928-7933	16.4	54
221	Mild-Temperature Solution-Assisted Encapsulation of Phosphorus into ZIF-8 Derived Porous Carbon as Lithium-Ion Battery Anode. <i>Small</i> , <b>2020</b> , 16, e1907141	11	23
220	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

219	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
218	In Situ Formation of Co9S8 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
217	Recent Research Progress of Anode Materials for Potassium-ion Batteries. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 105-120	13	49
216	High performance lithium-ion capacitors based on LiNbO3-arched 3D graphene aerogel anode and BCNNT cathode with enhanced kinetics match. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125207	14.7	15
215	Silver nanoparticle-assembled micro-bowl arrays for sensitive SERS detection of pesticide residue. <i>Nanotechnology</i> , <b>2020</b> , 31, 205303	3.4	16
214	A close step towards industrialized application of solar water splitting. <i>Journal of Semiconductors</i> , <b>2020</b> , 41, 090401	2.3	3
213	Programmable Multiple Plasmonic Resonances of Nanoparticle Superlattice for Enhancing Photoelectrochemical Activity. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2005170	15.6	8
212	Ag-Nanoparticles-Decorated Ge-Nanowhisker Grafted on Carbon Fiber Cloth as Flexible and Effective SERS Substrates. <i>ChemistrySelect</i> , <b>2020</b> , 5, 8338-8343	1.8	3
211	Tailoring conductive networks within hollow carbon nanospheres to host phosphorus for advanced sodium ion batteries. <i>Nano Energy</i> , <b>2020</b> , 70, 104569	17.1	18
210	Realization of Moisture-Resistive Perovskite Films for Highly Efficient Solar Cells Using Molecule Incorporation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 39063-39073	9.5	7
209	Ag-Nanoparticles@Bacterial Nanocellulose as a 3D Flexible and Robust Surface-Enhanced Raman Scattering Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50713-50720	9.5	24
208	Rapid and Controllable Synthesis of Nanocrystallized Nickel-Cobalt Boride Electrode Materials via a Mircoimpinging Stream Reaction for High Performance Supercapacitors. <i>Small</i> , <b>2020</b> , 16, e2003342	11	20
207	Preface to the Special Issue on Challenges and Possibilities of Energy Storage. <i>Journal of Semiconductors</i> , <b>2020</b> , 41, 090101	2.3	2
206	Highly-rough surface carbon nanofibers film as an effective interlayer for lithium-sulfur batteries. <i>Journal of Semiconductors</i> , <b>2020</b> , 41, 092701	2.3	4
205	Polyimide@Ketjenblack Composite: A Porous Organic Cathode for Fast Rechargeable Potassium-Ion Batteries. <i>Small</i> , <b>2020</b> , 16, e2002953	11	20
204	An efficient nanopatterning strategy for controllably fabricating ultra-small gaps as a highly sensitive surface-enhanced Raman scattering platform. <i>Nanotechnology</i> , <b>2020</b> , 31, 045301	3.4	
203	Optical, water splitting and wettability of titanium nitride/titanium oxynitride bilayer films for hydrogen generation and solar cells applications. <i>Materials Science in Semiconductor Processing</i> , <b>2020</b> , 105, 104704	4.3	22
202	TiO2/TiOxNY hollow mushrooms-like nanocomposite photoanode for hydrogen electrogeneration. <i>Journal of Porous Materials</i> , <b>2020</b> , 27, 133-139	2.4	16

201	Nonequilibrium Bond Forces in Single-Molecule Junctions. <i>Nano Letters</i> , <b>2019</b> , 19, 7845-7851	11.5	4
200	Scalable fabrication of geometry-tunable self-aligned superlattice photonic crystals for spectrum-programmable light trapping. <i>Nano Energy</i> , <b>2019</b> , 58, 543-551	17.1	16
199	Realizing super-long Cu <sub>2</sub> O nanowires arrays for high-efficient water splitting applications with a convenient approach. <i>Journal of Semiconductors</i> , <b>2019</b> , 40, 052701	2.3	10
198	A novel approach to synthesize porous graphene by the transformation and deoxidation of oxygen-containing functional groups. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 2313-2317	8.1	4
197	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
196	Highly sensitive surface-enhanced Raman scattering detection of organic pesticides based on Ag-nanoplate decorated graphene-sheets. <i>Applied Surface Science</i> , <b>2019</b> , 486, 405-410	6.7	22
195	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
194	Poly-melamine sponge derived N-doped carbon/Fe <sub>3</sub> O <sub>4</sub> /graphene synthesized for lithium-ion anode. <i>Materials Letters</i> , <b>2019</b> , 251, 57-60	3.3	2
193	Advances on three-dimensional electrodes for micro-supercapacitors: A mini-review. <i>Informa Materly</i> , <b>2019</b> , 1, 74-84	23.1	91
192	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
191	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
190	The optimization of optical modes in Ni-BiVO nanoarrays for boosting photoelectrochemical water splitting. <i>Nanotechnology</i> , <b>2019</b> , 30, 445403	3.4	3
189	Intercalation and exfoliation syntheses of high specific surface area graphene and FeC <sub>2</sub> O <sub>4</sub> /graphene composite for anode material of lithium ion battery. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2019</b> , 27, 746-754	1.8	7
188	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
187	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
186	Optimizing hydrogen evolution activity of nanoporous electrodes by dual-step surface engineering. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 244, 87-95	21.8	14
185	Review on Nanoarchitected Current Collectors for Pseudocapacitors. <i>Small Methods</i> , <b>2019</b> , 3, 1800341	12.8	28
184	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

183	Enhancing potassium-ion battery performance by defect and interlayer engineering. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 202-207	10.8	73
182	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
181	Collection optimization of photo-generated charge carriers for efficient organic solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 412, 465-471	8.9	12
180	Energy loss of protons in hydrogen plasma. <i>Laser and Particle Beams</i> , <b>2018</b> , 36, 98-104	0.9	7
179	Heterogeneous nanostructure array for electrochemical energy conversion and storage. <i>Nano Today</i> , <b>2018</b> , 20, 33-57	17.9	48
178	Nickel nanopore arrays as promising current collectors for constructing solid-state supercapacitors with ultrahigh rate performance. <i>Frontiers of Chemical Science and Engineering</i> , <b>2018</b> , 12, 339-345	4.5	7
177	Gold nanochestnut arrays as ultra-sensitive SERS substrate for detecting trace pesticide residue. <i>Nanotechnology</i> , <b>2018</b> , 29, 295502	3.4	15
176	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
175	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
174	Continuous Transformations of the Nucleation Mechanism in the Undercooled State. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 2905-2911	3.5	1
173	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
172	MOF-assisted three-dimensional TiO <sub>2</sub> @C core/shell nanobelt arrays as superior sodium ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 257-263	5.7	19
171	Sensitive Gas-Sensing by Creating Adsorption Active Sites: Coating an SnO Layer on Triangle Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29092-29099	9.5	18
170	Template-Guided Programmable Janus Heteronanostructure Arrays for Efficient Plasmonic Photocatalysis. <i>Nano Letters</i> , <b>2018</b> , 18, 4914-4921	11.5	34
169	The morphology and structure of crystals in Qing Dynasty purple-gold glaze excavated from the Forbidden City. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 5229-5240	3.8	13
168	Micro-nanostructured BiO with surface oxygen vacancies as superior adsorbents for SeO ions. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 360, 279-287	12.8	18
167	Donor-acceptor Stenhouse adduct-grafted polycarbonate surfaces: selectivity of the reaction for secondary amine on surface. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 180207	3.3	9
166	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

165	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
164	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
163	Organic materials for rechargeable sodium-ion batteries. <i>Materials Today</i> , <b>2018</b> , 21, 60-78	21.8	152
162	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
161	Graphene-Sensitized Perovskite Oxide Monolayer Nanosheets for Efficient Photocatalytic Reaction. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1806284	15.6	37
160	Exploration of nanowire- and nanotube-based electrocatalysts for oxygen reduction and oxygen evolution reaction. <i>Materials Today Nano</i> , <b>2018</b> , 3, 54-68	9.7	21
159	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
158	Template-Assisted Fabrication of Nanostructured Arrays for Sensing Applications. <i>ChemPlusChem</i> , <b>2018</b> , 83, 741-755	2.8	13
157	MOCVD Compatible Atomic Layer Deposition Process of Al <sub>2</sub> O <sub>3</sub> on SiC and Graphene/SiC Heterostructures. <i>Materials Science Forum</i> , <b>2018</b> , 924, 506-510	0.4	
156	Batteries: Potassium Prussian Blue Nanoparticles: A Low-Cost Cathode Material for Potassium-Ion Batteries (Adv. Funct. Mater. 4/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,	15.6	2
155	Efficient SERS Substrate Fabricated by Simple Aluminum Pits Template. <i>Materials Science Forum</i> , <b>2017</b> , 896, 26-31	0.4	
154	Self-Supported BiMoO Nanowall for Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23647-23653	9.5	49
153	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
152	Low voltage driven surface micro-flow by Joule heating. <i>RSC Advances</i> , <b>2017</b> , 7, 29464-29468	3.7	0
151	Rationally Engineered Electrodes for a High-Performance Solid-State Cable-Type Supercapacitor. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606696	15.6	18
150	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
149	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
148	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

147	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
146	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
145	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
144	Recent Advances in Designing and Fabricating Self-Supported Nanoelectrodes for Supercapacitors. <i>Advanced Science</i> , <b>2017</b> , 4, 1700188	13.6	122
143	Highly efficient biosensors by using well-ordered ZnO/ZnS core/shell nanotube arrays. <i>Nanotechnology</i> , <b>2017</b> , 28, 405501	3.4	10
142	Enhancement of the Immune Function by Titanium Dioxide Nanorods and Their Application in Cancer Immunotherapy. <i>Journal of Biomedical Nanotechnology</i> , <b>2017</b> , 13, 367-80	4	11
141	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
140	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
139	Three-Dimensional Plasmonic Nanostructure Design for Boosting Photoelectrochemical Activity. <i>ACS Nano</i> , <b>2017</b> , 11, 7382-7389	16.7	39
138	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
137	Multiple nanostructures based on anodized aluminium oxide templates. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 244-250	28.7	132
136	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
135	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 9182-9187	24	59
134	Constructing Well-Ordered CdTe/TiO <sub>2</sub> Core/Shell Nanowire Arrays for Solar Energy Conversion. <i>Small</i> , <b>2016</b> , 12, 5538-5542	11	9
133	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
132	Highly-Ordered 3D Vertical Resistive Switching Memory Arrays with Ultralow Power Consumption and Ultrahigh Density. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23348-55	9.5	17
131	Surface Charge Polarization at the Interface: Enhancing the Oxygen Reduction via Precise Synthesis of Heterogeneous Ultrathin Pt/PtTe Nanowire. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8890-8898	9.6	18
130	Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600448	21.8	40



129	Nanoengineering Energy Conversion and Storage Devices via Atomic Layer Deposition. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600468	21.8	46
128	Nanowire Arrays: Constructing Well-Ordered CdTe/TiO <sub>2</sub> Core/Shell Nanowire Arrays for Solar Energy Conversion (Small 40/2016). <i>Small</i> , <b>2016</b> , 12, 5648-5648	11	1
127	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
126	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
125	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
124	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
123	The shift of the optical absorption band edge of ZnO/ZnS core/shell nanotube arrays beyond quantum effects. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1369-1374	7.1	12
122	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
121	Interface and strain effects on the H-sorption thermodynamics of size-selected Mg nanodots. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 9841-9851	6.7	12
120	Glucosamine-induced growth of highly distributed TiO <sub>2</sub> nanoparticles on graphene nanosheets as high-performance photocatalysts. <i>RSC Advances</i> , <b>2016</b> , 6, 67039-67048	3.7	6
119	Binder/Collector-Free Te Cathodes: Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries (Adv. Funct. Mater. 21/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3747-3747	15.6	
118	Nanoarchitected Array Electrodes for Rechargeable Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502514	21.8	140
117	Sodium-Ion Batteries: Understanding the Orderliness of Atomic Arrangement toward Enhanced Sodium Storage (Adv. Energy Mater. 23/2016). <i>Advanced Energy Materials</i> , <b>2016</b> , 6,	21.8	1
116	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
115	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
114	A CdSe thin film: a versatile buffer layer for improving the performance of TiO <sub>2</sub> nanorod array:PbS quantum dot solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 10198-204	7.7	15
113	Effective approach to strengthen plasmon resonance localized on top surfaces of Ag nanoparticles and application in surface-enhanced Raman spectroscopy. <i>Nanotechnology</i> , <b>2016</b> , 27, 445301	3.4	14
112	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

111	All-Solid-State Cable-Type Supercapacitors with Ultrahigh Rate Capability. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1, 1600012	6.8	31
110	Photolithography-Compatible Templated Patterning of Functional Organic Materials in Emulsion. <i>Advanced Science</i> , <b>2016</b> , 3, 1500304	13.6	3
109	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
108	Double-peak structures in transmission of H <sup>2+</sup> ions through conical multicapillaries in a polymer: Projectile-energy dependence. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	4
107	Intertwined Cu <sub>3</sub> V <sub>2</sub> O <sub>7</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O nanowires/carbon fibers composite: A new anode with high rate capability for sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 294, 193-200	8.9	25
106	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
105	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
104	Dimensional Dependence of the Optical Absorption Band Edge of TiO <sub>2</sub> Nanotube Arrays beyond the Quantum Effect. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 16331-16337	3.8	26
103	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
102	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, 13322-28	9.5	108
101	Designing Heterogeneous 1D Nanostructure Arrays Based on AAO Templates for Energy Applications. <i>Small</i> , <b>2015</b> , 11, 3408-28	11	81
100	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
99	Hollow ternary PtPdCu nanoparticles: a superior and durable cathodic electrocatalyst. <i>Chemical Science</i> , <b>2015</b> , 6, 3038-3043	9.4	49
98	Building of anti-restack 3D BiOCl hierarchitcture by ultrathin nanosheets towards enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 176-177, 331-337	21.8	61
97	Direct extraction of carbonyl from waste polycarbonate with amines under environmentally friendly conditions: scope of waste polycarbonate as a carbonylating agent in organic synthesis. <i>RSC Advances</i> , <b>2015</b> , 5, 3454-3460	3.7	18
96	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
95	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
94	Nanostructure Arrays: Designing Heterogeneous 1D Nanostructure Arrays Based on AAO Templates for Energy Applications (Small 28/2015). <i>Small</i> , <b>2015</b> , 11, 3407-3407	11	

93	Visible-light-accelerated oxygen vacancy migration in strontium titanate. <i>Scientific Reports</i> , <b>2015</b> , 5, 145769	469	23
92	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
91	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
90	Enhancement of Sodium Ion Battery Performance Enabled by Oxygen Vacancies. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8892-8895	3.6	21
89	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
88	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
87	Ni/Au hybrid nanoparticle arrays as a highly efficient, cost-effective and stable SERS substrate. <i>RSC Advances</i> , <b>2015</b> , 5, 6172-6180	3.7	14
86	Synchronous Formation of ZnO/ZnS Core/Shell Nanotube Arrays with Removal of Template for Meliorating Photoelectronic Performance. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 1575-1582	3.8	20
85	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
84	Energy deposition by heavy ions: additivity of kinetic and potential energy contributions in hillock formation on CaF <sub>2</sub> . <i>Scientific Reports</i> , <b>2014</b> , 4, 5742	4.9	24
83	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
82	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
81	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
80	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
79	Surface-Enhanced Raman Scattering (SERS) Substrate Based on Large-Area Well-Defined Gold Nanoparticle Arrays with High SERS Uniformity and Stability. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1622-1630	2.8	19
78	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
77	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
76	High performance supercapacitor for efficient energy storage under extreme environmental temperatures. <i>Nano Energy</i> , <b>2014</b> , 8, 231-237	17.1	118

75	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
74	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
73	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
72	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
71	Observation of defect state in highly ordered titanium dioxide nanotube arrays. <i>Nanotechnology</i> , <b>2014</b> , 25, 275603	3.4	42
70	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
69	Surface microfluidic patterning and transporting organic small molecules. <i>Small</i> , <b>2014</b> , 10, 2549-52	11	10
68	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
67	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
66	Visible light illumination-induced phase transition to the intermediate states between the metallic and insulating states for the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 241601	3.4	11
65	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
64	Vectorial diffusion for facile solution-processed self-assembly of insoluble semiconductors: a case study on metal phthalocyanines. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 10990-5	4.8	7
63	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
62	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
61	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
60	Growth control of AgTCNQ nanowire arrays by using a template-assisted electro-deposition method. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 8003	7.1	15
59	A simple technique for the facile synthesis of novel crystalline mesoporous ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> hierarchical nanostructures with high lead (II) ion absorption ability. <i>Applied Surface Science</i> , <b>2013</b> , 284, 412-418	6.7	10
58	DFT study of the structural and electronic properties of the ferromagnetic and antiferromagnetic ordering in the PbS-based ternary alloys Pb <sub>1-x</sub> EuxS (x = 0.25, 0.50, 0.75 and 1). <i>Solid State Sciences</i> , <b>2013</b> , 18, 24-35	3.4	8

57	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
56	Synthesis and field emission properties of different ZnO nanostructure arrays. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 197	5	14
55	Large-scale highly ordered arrays of freestanding magnetic nanowires. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 16627		27
54	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
53	Mössbauer spectroscopy and magnetization of ordered arrays of ultrathin FePt nanodisks with perpendicular magnetisation. <i>Hyperfine Interactions</i> , <b>2012</b> , 211, 135-145	0.8	1
52	Surface patterning using templates: concept, properties and device applications. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 1247-58	58.5	172
51	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
50	Two-step synthesis method for regular arrays of nano-particles embedded in oxide layers. <i>Chemical Physics Letters</i> , <b>2011</b> , 513, 99-102	2.5	5
49	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
48	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
47	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
46	Janus particle arrays with multiple structural controlling abilities synthesized by seed-directed deposition. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 11930		17
45	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
44	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
43	Selective growth and piezoelectric properties of highly ordered arrays of vertical ZnO nanowires on ultrathin alumina membranes. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 053106	3.4	12
42	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
41	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
40	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

39	Ultrathin alumina membranes for surface nanopatterning in fabricating quantum-sized nanodots. <i>Small</i> , <b>2010</b> , 6, 695-9	11	63
38	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
37	A PROVENANCE STUDY OF TANG SANCAI FROM CHINESE TOMBS AND RELICS BY INAA*. <i>Archaeometry</i> , <b>2007</b> , 49, 483-494	1.6	6
36	The formation of an AlCu <sub>2</sub> type decagonal quasicrystal in an [AlCuFe][AlCoNi] pseudo-binary alloy system. <i>Philosophical Magazine</i> , <b>2006</b> , 86, 475-481	1.6	1
35	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
34	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
33	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
32	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
31	Morphology controlled growth of large area ordered porous film. <i>Materials Science and Technology</i> , <b>2005</b> , 21, 500-504	1.5	5
30	Highly ordered CdS nanoparticle arrays on silicon substrates and photoluminescence properties. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 103106	3.4	59
29	Ordered arrays of highly oriented single-crystal semiconductor nanoparticles on silicon substrates. <i>Nanotechnology</i> , <b>2005</b> , 16, 1892-1898	3.4	23
28	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
27	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
26	Fabrication of large-scale zinc oxide ordered pore arrays with controllable morphology. <i>Chemical Communications</i> , <b>2004</b> , 1604-5	5.8	53
25	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
24	Ordered nanoporous nickel films and their magnetic properties. <i>Chemical Physics Letters</i> , <b>2003</b> , 380, 313-318	3.8	26
23	Electrical characterization of a trilayer germanium nanocrystal memory device. <i>Microelectronic Engineering</i> , <b>2003</b> , 66, 33-38	2.5	8
22	Effects of rapid thermal annealing time and ambient temperature on the charge storage capability of SiO <sub>2</sub> /pure Ge/rapid thermal oxide memory structure. <i>Microelectronic Engineering</i> , <b>2003</b> , 66, 218-223	2.5	12

21	Monitoring oxide quality using the spread of the dC/dV peak in scanning capacitance microscopy measurements. <i>IEEE Electron Device Letters</i> , <b>2003</b> , 24, 667-670	4.4	9
20	Fabrication, Characterization and Physical Properties of Nanostructured Metal Replicated Membranes <b>2003</b> , 93-96		
19	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
18	High-resolution atomic force microscope nanotip grown by self-field emission. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3037-3039	3.4	16
17	Dopant extraction from scanning capacitance microscopy measurements of p-n junctions using combined inverse modeling and forward simulation. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4837-4839	3.4	8
16	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
15	Catalytic Growth of Semiconducting In <sub>2</sub> O <sub>3</sub> Nanofibers. <i>Advanced Materials</i> , <b>2001</b> , 13, 1330	24	387
14	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
13	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
12	Preparation of highly ordered nanoporous Co membranes assembled by small quantum-sized Co particles. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2001</b> , 19, 1109		22
11	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
10	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
9	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
8	Fabrication and characterization of highly ordered Au nanowire arrays. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 1732-1734		89
7	Catalytic Growth of Semiconducting In <sub>2</sub> O <sub>3</sub> Nanofibers <b>2001</b> , 13, 1330		2
6	Mesoscopic self-assembling morphology of polymer based on emulsification. <i>Materials Research Bulletin</i> , <b>2000</b> , 35, 1625-1630	5.1	15
5	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
4	Recent Advances in 2D Heterostructures as Advanced Electrode Materials for Potassium-Ion Batteries. <i>Small Structures</i> , 2100221	8.7	7

3	Emerging smart design of electrodes for micro-supercapacitors: A review. <i>SmartMat</i> ,	22.8	3
2	Nanostructured metal selenides as anodes for potassium-ion batteries. <i>Sustainable Energy and Fuels</i> ,	5.8	0
1	Rational Design of Electrolyte Solvation Structures for Modulating $2e^-/4e^-$ Transfer in Sodium-Air Batteries. <i>Advanced Functional Materials</i> ,2201258	15.6	3