

# Jie 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.

244  
papers

23,898  
citations

87  
h-index

148  
g-index

249  
ext. papers

26,222  
ext. citations

10.7  
avg, IF

7.02  
L-index

#	Paper	IF	Citations
244	Rh/Al Nanoantenna Photothermal Catalyst for Wide-Spectrum Solar-Driven CO Methanation with Nearly 100% Selectivity. <i>Nano Letters</i> , <b>2021</b> , 21, 8824-8830	11.5	4
243	Untangling Thermal and Nonthermal Effects in Plasmonic Photocatalysis <b>2021</b> , 191-230		
242	Metal nitride nanosheets enable highly efficient electrochemical oxidation of ammonia. <i>Nano Energy</i> , <b>2021</b> , 80, 105528	17.1	10
241	Sub-10-nm graphene nanoribbons with atomically smooth edges from squashed carbon nanotubes. <i>Nature Electronics</i> , <b>2021</b> , 4, 653-663	28.4	14
240	Synergy between thermal and nonthermal effects in plasmonic photocatalysis. <i>Nano Research</i> , <b>2020</b> , 13, 1268-1280	10	24
239	Strongly trapping soluble lithium polysulfides using polar cysteamine groups for highly stable lithium sulfur batteries. <i>Nanotechnology</i> , <b>2020</b> , 31, 485403	3.4	2
238	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 13-36	7.1	23
237	Understanding the Origin of Selective Reduction of CO to CO on Single-Atom Nickel Catalyst. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 511-518	3.4	10
236	Mechanically Robust Gel Polymer Electrolyte for an Ultrastable Sodium Metal Battery. <i>Small</i> , <b>2020</b> , 16, e1906208	11	17
235	A Superior Flame-Resistant and Wide-Temperature Adaptable Yarn Lithium-Ion Battery with a Highly Conductive Ionogel Electrolyte. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3998-4002	4.3	1
234	Inorganic CsPbI <sub>2</sub> Br <sub>2</sub> -Based Perovskite Solar Cells: Fabrication Technique Modification and Efficiency Improvement. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900135	7.1	37
233	Confirming nonthermal plasmonic effects enhance CO <sub>2</sub> methanation on Rh/TiO <sub>2</sub> catalysts. <i>Nano Research</i> , <b>2019</b> , 12, 1906-1911	10	39
232	Theory of hot electrons: general discussion. <i>Faraday Discussions</i> , <b>2019</b> , 214, 245-281	3.6	15
231	One-Step Vapor-Phase Synthesis and Quantum-Confined Exciton in Single-Crystal Platelets of Hybrid Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 2363-2371	6.4	20
230	Light-Induced Thermal Gradients in Ruthenium Catalysts Significantly Enhance Ammonia Production. <i>Nano Letters</i> , <b>2019</b> , 19, 1706-1711	11.5	45
229	Highly efficient CsPbI <sub>2</sub> Br <sub>2</sub> perovskite solar cells with efficiency over 9.8% fabricated using a preheating-assisted spin-coating method. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19008-19016	13	50
228	Diameter dependent doping in horizontally aligned high-density N-doped SWNT arrays. <i>Nano Research</i> , <b>2019</b> , 12, 1845-1850	10	3

227	Fully Air-Bladed High-Efficiency Perovskite Photovoltaics. <i>Joule</i> , <b>2019</b> , 3, 402-416	27.8	95
226	Effects of Light on Catalytic Activities and Lifetime of Plasmonic Au Catalysts in the CO Oxidation Reaction. <i>ACS Catalysis</i> , <b>2019</b> , 9, 578-586	13.1	20
225	Strong Capillarity, Chemisorption, and Electrocatalytic Capability of Crisscrossed Nanostraws Enabled Flexible, High-Rate, and Long-Cycling Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 4868-4876	16.7	177
224	Nanoporous and lyophilic battery separator from regenerated eggshell membrane with effective suppression of dendritic lithium growth. <i>Energy Storage Materials</i> , <b>2018</b> , 14, 258-266	19.4	41
223	Synergy of polypyrrole and carbon x-aerogel in lithium-oxygen batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 3753-3758	7.7	8
222	Plasmon-Enhanced Catalysis: Distinguishing Thermal and Nonthermal Effects. <i>Nano Letters</i> , <b>2018</b> , 18, 1714-1723	11.5	165
221	Correction to Highly Efficient Retention of Polysulfides in "Sea-Urchin"-Like Carbon Nanotube/Nanopolyhedra Superstructures as Cathode Material for Ultralong-Life Lithium-Sulfur Batteries. <i>Nano Letters</i> , <b>2018</b> , 18, 1553	11.5	4
220	Interface Engineering of Anchored Ultrathin TiO/MoS Heterolayers for Highly-Efficient Electrochemical Hydrogen Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 6084-6089	9.5	43
219	Flexible devices: from materials, architectures to applications. <i>Journal of Semiconductors</i> , <b>2018</b> , 39, 011010	10	38
218	Walnut-Like Multicore-Shell MnO Encapsulated Nitrogen-Rich Carbon Nanocapsules as Anode Material for Long-Cycling and Soft-Packed Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800003	15.6	148
217	An all-inorganic perovskite solar capacitor for efficient and stable spontaneous photocharging. <i>Nano Energy</i> , <b>2018</b> , 52, 239-245	17.1	66
216	Three-dimensional spongy framework as superlyophilic, strongly absorbing, and electrocatalytic polysulfide reservoir layer for high-rate and long-cycling lithium-sulfur batteries. <i>Nano Research</i> , <b>2018</b> , 11, 6436-6446	10	29
215	Ultrahigh rate capability and ultralong cycling stability of sodium-ion batteries enabled by wrinkled black titania nanosheets with abundant oxygen vacancies. <i>Nano Energy</i> , <b>2018</b> , 53, 91-96	17.1	34
214	Partial Surface Oxidation of Manganese Oxides as an Effective Treatment To Improve Their Activity in Electrochemical Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 21366-21374	3.8	10
213	Integrated perovskite solar capacitors with high energy conversion efficiency and fast photo-charging rate. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2047-2052	13	56
212	Atomic Substitution Enabled Synthesis of Vacancy-Rich Two-Dimensional Black TiO Nanoflakes for High-Performance Rechargeable Magnesium Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 12492-12502	16.7	85
211	Nitrogen-Doped Carbon Nanotube Forests Planted on Cobalt Nanoflowers as Polysulfide Mediator for Ultralow Self-Discharge and High Areal-Capacity Lithium-Sulfur Batteries. <i>Nano Letters</i> , <b>2018</b> , 18, 7949-7954	11.5	66
210	Liquid-phase exfoliated ultrathin Bi nanosheets: Uncovering the origins of enhanced electrocatalytic CO <sub>2</sub> reduction on two-dimensional metal nanostructure. <i>Nano Energy</i> , <b>2018</b> , 53, 808-816	17.1	147

209	Ionic liquid-immobilized polymer gel electrolyte with self-healing capability, high ionic conductivity and heat resistance for dendrite-free lithium metal batteries. <i>Nano Energy</i> , <b>2018</b> , 54, 17-25	17.1	96
208	Oxygen Vacancy Engineering Promoted Photocatalytic Ammonia Synthesis on Ultrathin Two-Dimensional Bismuth Oxybromide Nanosheets. <i>Nano Letters</i> , <b>2018</b> , 18, 7372-7377	11.5	200
207	Highly efficient overall water splitting driven by all-inorganic perovskite solar cells and promoted by bifunctional bimetallic phosphide nanowire arrays. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20076-20082	13.8	33
206	Carrier Dynamics Engineering for High-Performance Electron-Transport-Layer-free Perovskite Photovoltaics. <i>CheM</i> , <b>2018</b> , 4, 2405-2417	16.2	37
205	High-Performance Alkaline Organic Redox Flow Batteries Based on 2-Hydroxy-3-carboxy-1,4-naphthoquinone. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2404-2409	20.1	56
204	Highly Branched VS Nanodendrites with 1D Atomic-Chain Structure as a Promising Cathode Material for Long-Cycling Magnesium Batteries. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802563	24	119
203	Recycling PM2.5 carbon nanoparticles generated by diesel vehicles for supercapacitors and oxygen reduction reaction. <i>Nano Energy</i> , <b>2017</b> , 33, 229-237	17.1	48
202	Bottom-up synthesis of nitrogen-doped porous carbon scaffolds for lithium and sodium storage. <i>Nanoscale</i> , <b>2017</b> , 9, 1972-1977	7.7	36
201	Product selectivity in plasmonic photocatalysis for carbon dioxide hydrogenation. <i>Nature Communications</i> , <b>2017</b> , 8, 14542	17.4	247
200	Metallic and polar Co <sub>9</sub> S <sub>8</sub> inlaid carbon hollow nanopolyhedra as efficient polysulfide mediator for lithium-sulfur batteries. <i>Nano Energy</i> , <b>2017</b> , 38, 239-248	17.1	241
199	The effects of Al substitution and partial dissolution on ultrathin NiFeAl ternary layered double hydroxide nanosheets for oxygen evolution reaction in alkaline solution. <i>Nano Energy</i> , <b>2017</b> , 35, 350-357	17.1	165
198	Versatile Electronic Skins for Motion Detection of Joints Enabled by Aligned Few-Walled Carbon Nanotubes in Flexible Polymer Composites. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606604	15.6	92
197	Controlled growth and photoconductive properties of hexagonal SnS <sub>2</sub> nanoflakes with mesa-shaped atomic steps. <i>Nano Research</i> , <b>2017</b> , 10, 1434-1447	10	36
196	Highly Efficient Retention of Polysulfides in "Sea Urchin"-Like Carbon Nanotube/Nanopolyhedra Superstructures as Cathode Material for Ultralong-Life Lithium-Sulfur Batteries. <i>Nano Letters</i> , <b>2017</b> , 17, 437-444	11.5	194
195	A single wire as all-inclusive fully functional supercapacitor. <i>Nano Energy</i> , <b>2017</b> , 32, 201-208	17.1	38
194	Pine needle-derived microporous nitrogen-doped carbon frameworks exhibit high performances in electrocatalytic hydrogen evolution reaction and supercapacitors. <i>Nanoscale</i> , <b>2017</b> , 9, 1237-1243	7.7	121
193	How sulfidation of ZnO powders enhances visible fluorescence. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 10770-10776	7.1	6
192	A binder-free NiCoO nanosheet/3D elastic N-doped hollow carbon nanotube sponge electrode with high volumetric and gravimetric capacitances for asymmetric supercapacitors. <i>Nanoscale</i> , <b>2017</b> , 9, 16826-16835	7.7	60

191	Additive engineering for high-performance room-temperature-processed perovskite absorbers with micron-size grains and microsecond-range carrier lifetimes. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 2365-2371	35.4	120
190	Self-Templated Formation of Interlaced Carbon Nanotubes Threaded Hollow CoS Nanoboxes for High-Rate and Heat-Resistant Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12710-12715	16.4	364
189	All-Inorganic Halide Perovskites for Optoelectronics: Progress and Prospects. <i>Solar Rrl</i> , <b>2017</b> , 1, 17000867.1	67.1	134
188	CsPbSnIBr Based All-Inorganic Perovskite Solar Cells with Exceptional Efficiency and Stability. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14009-14012	16.4	353
187	Solution synthesis and phase control of inorganic perovskites for high-performance optoelectronic devices. <i>Nanoscale</i> , <b>2017</b> , 9, 11841-11845	7.7	55
186	Well-designed Te/SnS <sub>2</sub> /Ag artificial nanoleaves for enabling and enhancing visible-light driven overall splitting of pure water. <i>Nano Energy</i> , <b>2017</b> , 39, 539-545	17.1	53
185	Two-Dimensional Lead(II) Halide-Based Hybrid Perovskites Templated by Acene Alkylamines: Crystal Structures, Optical Properties, and Piezoelectricity. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9291-9302	5.1	274
184	Porous-Shell Vanadium Nitride Nanobubbles with Ultrahigh Areal Sulfur Loading for High-Capacity and Long-Life Lithium-Sulfur Batteries. <i>Nano Letters</i> , <b>2017</b> , 17, 7839-7846	11.5	172
183	High-Performance Li-Se Batteries Enabled by Selenium Storage in Bottom-Up Synthesized Nitrogen-Doped Carbon Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25232-25238	9.5	33
182	Cerium Oxide Nanocrystal Embedded Bimodal Micromesoporous Nitrogen-Rich Carbon Nanospheres as Effective Sulfur Host for Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 7274-7283	16.7	167
181	MoS <sub>2</sub> -Based All-Purpose Fibrous Electrode and Self-Powering Energy Fiber for Efficient Energy Harvesting and Storage. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601208	21.8	110
180	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanosheets/nitrogen doped graphene/carbon nanotube film with ultrahigh capacitance and long cycle stability as a flexible binder-free electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 689-698	13	109
179	Size-tunable rhodium nanostructures for wavelength-tunable ultraviolet plasmonics. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 75-80	10.8	41
178	Effect of Direct Contact on the Phytotoxicity of Silver Nanomaterials. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10370-10376	10.3	19
177	A remotely driven and controlled micro-gripper fabricated from light-induced deformation smart material. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 095009	3.4	18
176	All-Inorganic Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15829-15832	16.4	700
175	Subatomic deformation driven by vertical piezoelectricity from CdS ultrathin films. <i>Science Advances</i> , <b>2016</b> , 2, e1600209	14.3	49
174	In Situ Thermal Synthesis of Inlaid Ultrathin MoS <sub>2</sub> /Graphene Nanosheets as Electrocatalysts for the Hydrogen Evolution Reaction. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5733-5742	9.6	145

173	Selective synthesis of large diameter, highly conductive and high density single-walled carbon nanotubes by a thiophene-assisted chemical vapor deposition method on transparent substrates. <i>Nanoscale</i> , <b>2016</b> , 8, 14156-62	7.7	14
172	Silver nanoparticle toxicity is related to coating materials and disruption of sodium concentration regulation. <i>Nanotoxicology</i> , <b>2016</b> , 10, 1306-17	5.3	33
171	Aligned Single-Walled Carbon Nanotube Arrays from Rhodium Catalysts with Unexpected Diameter Uniformity Independent of the Catalyst Size and Growth Temperature. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 870-875	9.6	17
170	Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> encapsulated flexible free-standing nanofabric cathodes for fast charging and long life-cycle lithium-ion batteries. <i>Nanoscale</i> , <b>2016</b> , 8, 7408-15	7.7	43
169	Multi-yolk-shell copper oxide@carbon octahedra as high-stability anodes for lithium-ion batteries. <i>Nano Energy</i> , <b>2016</b> , 20, 305-314	17.1	93
168	Developmental toxicity from exposure to various forms of mercury compounds in medaka fish ( <i>Oryzias latipes</i> ) embryos. <i>PeerJ</i> , <b>2016</b> , 4, e2282	3.1	31
167	Phytotoxicity of soluble graphitic nanofibers to model plant species. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2941-2947	3.8	4
166	Strong, Machinable Carbon Aerogels for High Performance Supercapacitors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4976-4983	15.6	63
165	Emerging non-lithium ion batteries. <i>Energy Storage Materials</i> , <b>2016</b> , 4, 103-129	19.4	180
164	Self-assembled ultrathin NiCo <sub>2</sub> S <sub>4</sub> nanoflakes grown on Ni foam as high-performance flexible electrodes for hydrogen evolution reaction in alkaline solution. <i>Nano Energy</i> , <b>2016</b> , 24, 139-147	17.1	233
163	Pitaya-like microspheres derived from Prussian blue analogues as ultralong-life anodes for lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15041-15048	13	30
162	Hierarchical Ternary Carbide Nanoparticle/Carbon Nanotube-Inserted N-Doped Carbon Concave-Polyhedrons for Efficient Lithium and Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26834-26841	9.5	40
161	Hierarchical porous nitrogen-rich carbon nanospheres with high and durable capabilities for lithium and sodium storage. <i>Nanoscale</i> , <b>2016</b> , 8, 17911-17918	7.7	54
160	Effect of interlayer spacing on sodium ion insertion in nanostructured titanium hydrogenophosphates/carbon nanotube composites. <i>RSC Advances</i> , <b>2016</b> , 6, 60015-60021	3.7	3
159	One-step fabrication of large-area ultrathin MoS <sub>2</sub> nanofilms with high catalytic activity for photovoltaic devices. <i>Nanoscale</i> , <b>2016</b> , 8, 16017-25	7.7	44
158	Graphene oxide as a dual-function conductive binder for PEEK-derived microporous carbons in high performance supercapacitors. <i>2D Materials</i> , <b>2015</b> , 2, 024006	5.9	3
157	Reducing Environmental Toxicity of Silver Nanoparticles through Shape Control. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10093-8	10.3	69
156	Hydrophilic Hierarchical Nitrogen-Doped Carbon Nanocages for Ultrahigh Supercapacitive Performance. <i>Advanced Materials</i> , <b>2015</b> , 27, 3541-5	24	573

155	Flexible Carbon Nanotube/Graphene/Sulfur Composite Film: Free-Standing Cathode for High-Performance Lithium/Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 10288-10294	3.8	109
154	Engineering hollow mesoporous silica nanocontainers with molecular switches for continuous self-healing anticorrosion coating. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9510-9516	13	65
153	Highly Stretchable Conductive Fibers from Few-Walled Carbon Nanotubes Coated on Poly(m-phenylene isophthalamide) Polymer Core/Shell Structures. <i>ACS Nano</i> , <b>2015</b> , 9, 10252-7	16.7	50
152	Gate-Free Electrical Breakdown of Metallic Pathways in Single-Walled Carbon Nanotube Crossbar Networks. <i>Nano Letters</i> , <b>2015</b> , 15, 6058-65	11.5	16
151	Graphoepitaxial effect in the guided growth of SWNT arrays on quartz. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9678-9683	7.1	4
150	Miniaturized Swimming Soft Robot with Complex Movement Actuated and Controlled by Remote Light Signals. <i>Scientific Reports</i> , <b>2015</b> , 5, 17414	4.9	125
149	Understanding the discrepancy between the quality and yield in the synthesis of carbon nanotubes. <i>Nano Research</i> , <b>2015</b> , 8, 296-302	10	5
148	Rhodium nanoparticles for ultraviolet plasmonics. <i>Nano Letters</i> , <b>2015</b> , 15, 1095-100	11.5	96
147	Conductive graphene fibers for wire-shaped supercapacitors strengthened by unfunctionalized few-walled carbon nanotubes. <i>ACS Nano</i> , <b>2015</b> , 9, 1352-9	16.7	172
146	Effects of morphology and chemical doping on electrochemical properties of metal hydroxides in pseudocapacitors. <i>Nanoscale</i> , <b>2015</b> , 7, 3181-8	7.7	40
145	Making a commercial carbon fiber cloth having comparable capacitances to carbon nanotubes and graphene in supercapacitors through a "top-down" approach. <i>Nanoscale</i> , <b>2015</b> , 7, 3285-91	7.7	49
144	Stretchable and high-performance supercapacitors with crumpled graphene papers. <i>Scientific Reports</i> , <b>2014</b> , 4, 6492	4.9	189
143	Influence of the Nickel Oxide Nanostructure Morphology on the Effectiveness of Reduced Graphene Oxide Coating in Supercapacitor Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 2281-2286	3.8	56
142	Novel synthetic methodology for controlling the orientation of zinc oxide nanowires grown on silicon oxide substrates. <i>Nanoscale</i> , <b>2014</b> , 6, 3861-7	7.7	7
141	Growth of high-density-aligned and semiconducting-enriched single-walled carbon nanotubes: decoupling the conflict between density and selectivity. <i>ACS Nano</i> , <b>2014</b> , 8, 554-62	16.7	58
140	Importance of diameter control on selective synthesis of semiconducting single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2014</b> , 8, 8564-72	16.7	37
139	Aging of fullerene C <sub>60</sub> nanoparticle suspensions in the presence of microbes. <i>Water Research</i> , <b>2014</b> , 65, 282-9	12.5	22
138	Water Adsorption in Nanoporous Carbon Characterized by in Situ NMR: Measurements of Pore Size and Pore Size Distribution. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 8474-8480	3.8	23

137	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 2025	35.4	224
136	Effect of multi-walled carbon nanotubes and conducting polymer on capacitance of mesoporous carbon electrode. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 7015-21	1.3	4
135	Scalable fabrication of ambipolar transistors and radio-frequency circuits using aligned carbon nanotube arrays. <i>Advanced Materials</i> , <b>2014</b> , 26, 645-52	24	26
134	Improving the performance of cobalt-nickel hydroxide-based self-supporting electrodes for supercapacitors using accumulative approaches. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 3314	35.4	203
133	High-throughput optical imaging and spectroscopy of individual carbon nanotubes in devices. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 917-22	28.7	80
132	Highly conductive carbon nanotube matrix accelerates developmental chloride extrusion in central nervous system neurons by increased expression of chloride transporter KCC2. <i>Small</i> , <b>2013</b> , 9, 1066-75	11	17
131	Flexible asymmetric supercapacitors with high energy and high power density in aqueous electrolytes. <i>Nanoscale</i> , <b>2013</b> , 5, 1067-73	7.7	165
130	Carbon Nanomaterials for Flexible Energy Storage. <i>Materials Research Letters</i> , <b>2013</b> , 1, 175-192	7.4	34
129	Silver nanoparticle-alginate composite beads for point-of-use drinking water disinfection. <i>Water Research</i> , <b>2013</b> , 47, 3959-65	12.5	126
128	Solution-processed, antimony-doped tin oxide colloid films enable high-performance TiO <sub>2</sub> photoanodes for water splitting. <i>Nano Letters</i> , <b>2013</b> , 13, 1481-8	11.5	74
127	Antimicrobial nanotechnology: its potential for the effective management of microbial drug resistance and implications for research needs in microbial nanotoxicology. <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 93-102	4.3	82
126	Significantly improved long-cycle stability in high-rate Li-S batteries enabled by coaxial graphene wrapping over sulfur-coated carbon nanofibers. <i>Nano Letters</i> , <b>2013</b> , 13, 2485-9	11.5	305
125	Highly efficient oxygen reduction electrocatalysts based on winged carbon nanotubes. <i>Scientific Reports</i> , <b>2013</b> , 3, 3195	4.9	42
124	The dependence of ZnO photoluminescence efficiency on excitation conditions and defect densities. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 201110	3.4	24
123	In vitro cytotoxicity of silver nanoparticles in primary rat hepatic stellate cells. <i>Molecular Medicine Reports</i> , <b>2013</b> , 8, 1365-72	2.9	17
122	Sulfur-doped zinc oxide (ZnO) Nanostars: Synthesis and simulation of growth mechanism. <i>Nano Research</i> , <b>2012</b> , 5, 20-26	10	35
121	Direct optical imaging of graphene in vitro by nonlinear femtosecond laser spectral reshaping. <i>Nano Letters</i> , <b>2012</b> , 12, 5936-40	11.5	23
120	Carbon nanotube arrays based high-performance infrared photodetector [Invited]. <i>Optical Materials Express</i> , <b>2012</b> , 2, 839	2.6	79



119	Polymeric coatings on silver nanoparticles hinder autoaggregation but enhance attachment to uncoated surfaces. <i>Langmuir</i> , <b>2012</b> , 28, 4178-86	4	102
118	Carbon nanotube field-effect transistors for use as pass transistors in integrated logic gates and full subtractor circuits. <i>ACS Nano</i> , <b>2012</b> , 6, 4013-9	16.7	20
117	General rules for selective growth of enriched semiconducting single walled carbon nanotubes with water vapor as in situ etchant. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14019-26	16.4	93
116	Detection, characterization, and abundance of engineered nanoparticles in complex waters by hyperspectral imagery with enhanced Darkfield microscopy. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10081-8	10.3	94
115	Uptake of silver nanoparticles and toxicity to early life stages of Japanese medaka ( <i>Oryzias latipes</i> ): effect of coating materials. <i>Aquatic Toxicology</i> , <b>2012</b> , 120-121, 59-66	5.1	99
114	Monolithic co-aerogels of carbon/titanium dioxide as three dimensional nanostructured electrodes for energy storage. <i>Journal of Power Sources</i> , <b>2012</b> , 218, 140-147	8.9	19
113	Mechanism of silver nanoparticle toxicity is dependent on dissolved silver and surface coating in <i>Caenorhabditis elegans</i> . <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 1119-27	10.3	498
112	Size-controlled dissolution of organic-coated silver nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 752-9	10.3	338
111	Synergistic effects from graphene and carbon nanotubes enable flexible and robust electrodes for high-performance supercapacitors. <i>Nano Letters</i> , <b>2012</b> , 12, 4206-11	11.5	577
110	Carbon nanotube based ultra-low voltage integrated circuits: Scaling down to 0.4 V. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 263116	3.4	57
109	Electrophoretically induced aqueous flow through single-walled carbon nanotube membranes. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 133-9	28.7	101
108	CMOS-based carbon nanotube pass-transistor logic integrated circuits. <i>Nature Communications</i> , <b>2012</b> , 3, 677	17.4	119
107	Deposition of silver nanoparticles in geochemically heterogeneous porous media: predicting affinity from surface composition analysis. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5209-15	10.3	83
106	More than the ions: the effects of silver nanoparticles on <i>Lolium multiflorum</i> . <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 2360-7	10.3	422
105	Photoluminescence from inner walls in double-walled carbon nanotubes: some do, some do not. <i>Nano Letters</i> , <b>2011</b> , 11, 4405-10	11.5	21
104	Hydrophobic interactions increase attachment of gum Arabic- and PVP-coated Ag nanoparticles to hydrophobic surfaces. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5988-95	10.3	117
103	Toxicity Reduction of Polymer-Stabilized Silver Nanoparticles by Sunlight. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 4425-4432	3.8	178
102	Meditations on the ubiquity and mutability of nano-sized materials in the environment. <i>ACS Nano</i> , <b>2011</b> , 5, 8466-70	16.7	70

101	Synthesis of high-density, large-diameter, and aligned single-walled carbon nanotubes by multiple-cycle growth methods. <i>ACS Nano</i> , <b>2011</b> , 5, 3849-57	16.7	69
100	Orthogonal orientation control of carbon nanotube growth. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 336-41	16.4	38
99	Synthesis of Copper Nanocatalysts with Tunable Size Using Diblock Copolymer Solution Micelles. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 5767-5772	3.8	18
98	Viscous state effect on the activity of Fe nanocatalysts. <i>ACS Nano</i> , <b>2010</b> , 4, 6950-6	16.7	24
97	H <sub>2</sub> Storage in Microporous Carbons from PEEK Precursors. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 13902-13908	3.8	22
96	Piezopotential gated nanowire--nanotube hybrid field-effect transistor. <i>Nano Letters</i> , <b>2010</b> , 10, 3084-9	11.5	42
95	Design and synthesis of hierarchical MnO <sub>2</sub> nanospheres/carbon nanotubes/conducting polymer ternary composite for high performance electrochemical electrodes. <i>Nano Letters</i> , <b>2010</b> , 10, 2727-33	11.5	829
94	NMR methods for characterizing the pore structures and hydrogen storage properties of microporous carbons. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8618-26	16.4	44
93	Aligned graphene nanoribbons and crossbars from unzipped carbon nanotubes. <i>Nano Research</i> , <b>2010</b> , 3, 387-394	10	137
92	How catalysts affect the growth of single-walled carbon nanotubes on substrates. <i>Advanced Materials</i> , <b>2010</b> , 22, 1508-15	24	104
91	Characterization of single-walled carbon nanotubes synthesized using iron and cobalt nanoparticles derived from self-assembled diblock copolymer micelles. <i>Applied Organometallic Chemistry</i> , <b>2010</b> , 24, 569-572	3.1	7
90	Stable and accurate pressure approximation for unsteady incompressible viscous flow. <i>Journal of Computational Physics</i> , <b>2010</b> , 229, 3428-3453	4.1	46
89	Organic solar cells using few-walled carbon nanotubes electrode controlled by the balance between sheet resistance and the transparency. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 123302	3.4	42
88	Role of catalysts in the surface synthesis of single-walled carbon nanotubes. <i>Nano Research</i> , <b>2009</b> , 2, 593-598	10	29
87	Direct observation of the strong interaction between carbon nanotubes and quartz substrate. <i>Nano Research</i> , <b>2009</b> , 2, 903-910	10	25
86	Phonon populations and electrical power dissipation in carbon nanotube transistors. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 320-4	28.7	101
85	Selective growth of well-aligned semiconducting single-walled carbon nanotubes. <i>Nano Letters</i> , <b>2009</b> , 9, 800-5	11.5	382
84	Functionalized few-walled carbon nanotubes for mechanical reinforcement of polymeric composites. <i>ACS Nano</i> , <b>2009</b> , 3, 1057-62	16.7	138

83	Do inner shells of double-walled carbon nanotubes fluoresce?. <i>Nano Letters</i> , <b>2009</b> , 9, 3282-9	11.5	36
82	Diameter-Controlled Vapor-Solid Epitaxial Growth and Properties of Aligned ZnO Nanowire Arrays. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3950-3954	3.8	39
81	Decoration of gold nanoparticles on surface-grown single-walled carbon nanotubes for detection of every nanotube by surface-enhanced Raman spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14310-6	16.4	93
80	Density enhancement of aligned single-walled carbon nanotube thin films on quartz substrates by sulfur-assisted synthesis. <i>Nano Letters</i> , <b>2009</b> , 9, 3646-50	11.5	52
79	Carrier dynamics and photoexcited emission efficiency of ZnO:Zn phosphor powders <b>2009</b> ,		2
78	Room temperature purification of few-walled carbon nanotubes with high yield. <i>ACS Nano</i> , <b>2008</b> , 2, 1634-6	4.7	71
77	Horizontally aligned single-walled carbon nanotube on quartz from a large variety of metal catalysts. <i>Nano Letters</i> , <b>2008</b> , 8, 2576-9	11.5	213
76	Three dimensional single-walled carbon nanotubes. <i>Nano Letters</i> , <b>2008</b> , 8, 3325-9	11.5	13
75	Physical and electrical properties of chemical vapor grown GaN Nano/microstructures. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10325-9	5.1	11
74	Growth of high-density parallel arrays of long single-walled carbon nanotubes on quartz substrates. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5428-9	16.4	198
73	Microwave impedance spectroscopy of dense carbon nanotube bundles. <i>Nano Letters</i> , <b>2008</b> , 8, 152-6	11.5	35
72	Facile Gram-Scale Growth of Single-Crystalline Nanotetrapod-Assembled ZnO Through a Rapid Process. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 3172-3176	2.3	8
71	Large-scale growth of millimeter-long single-crystalline ZnS nanobelts. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 3116-3120	3.3	15
70	Effect of Tungsten on the Purification of Few-Walled Carbon Nanotubes Synthesized by Thermal Chemical Vapor Deposition Methods. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 131-133	3.8	28
69	Imaging of the Schottky barriers and charge depletion in carbon nanotube transistors. <i>Nano Letters</i> , <b>2007</b> , 7, 2037-42	11.5	116
68	Functional nanostructures from surface chemistry patterning. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 207-25	3.6	55
67	Supramolecular nanomimetics: replication of micelles, viruses, and other naturally occurring nanoscale objects. <i>Small</i> , <b>2007</b> , 3, 845-9	11	47
66	Purification of semiconducting carbon nanotubes. <i>Small</i> , <b>2007</b> , 3, 366-7	11	11

65	Carbon Nanotube Synthesis and Organization. <i>Topics in Applied Physics</i> , <b>2007</b> , 101-165	0.5	77
64	Scanning photovoltage microscopy of potential modulations in carbon nanotubes. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 031101	3.4	31
63	Two-Stage Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 6158-6160	3.8	26
62	Synthesis of uniform double-walled carbon nanotubes using iron disilicide as catalyst. <i>Nano Letters</i> , <b>2007</b> , 7, 2417-21	11.5	48
61	Fabrication of small diameter few-walled carbon nanotubes with enhanced field emission property. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 1346-9	1.3	38
60	Schottky diodes from asymmetric metal-nanotube contacts. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 133501	3.4	75
59	Synthesis of High-Purity Few-Walled Carbon Nanotubes from Ethanol/Methanol Mixture. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 5691-5695	9.6	60
58	Carbon nanotubes with small and tunable diameters from poly(ferrocenylsilane)-block-polysiloxane diblock copolymers. <i>Langmuir</i> , <b>2006</b> , 22, 5174-9	4	32
57	Controlling the diameter of carbon nanotubes in chemical vapor deposition method by carbon feeding. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 20254-7	3.4	160
56	Guided growth of nanoscale conducting polymer structures on surface-functionalized nanopatterns. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 3760-3	16.4	68
55	Time-resolved investigation of bright visible wavelength luminescence from sulfur-doped ZnO nanowires and micropowders. <i>Nano Letters</i> , <b>2006</b> , 6, 1126-30	11.5	97
54	Conversion between hexagonal GaN and beta-Ga(2)O(3) nanowires and their electrical transport properties. <i>Nano Letters</i> , <b>2006</b> , 6, 148-52	11.5	35
53	Generating suspended single-walled carbon nanotubes across a large surface area via patterning self-assembled catalyst-containing block copolymer thin films. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 10585-9	3.4	22
52	Fabrication of ordered catalytically active nanoparticles derived from block copolymer micelle templates for controllable synthesis of single-walled carbon nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 6655-60	3.4	53
51	Characterization of single wall carbon nanotubes by nonane preadsorption. <i>Carbon</i> , <b>2006</b> , 44, 2039-2044	10.4	20
50	Integrated single-walled carbon nanotube/microfluidic devices for the study of the sensing mechanism of nanotube sensors. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 13406-8	3.4	32
49	High-Quality Single-Walled Carbon Nanotubes with Small Diameter, Controlled Density, and Ordered Locations Using a Polyferrocenylsilane Block Copolymer Catalyst Precursor. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 2227-2231	9.6	114
48	Effects of ionic surfactant adsorption on single-walled carbon nanotube thin film devices in aqueous solutions. <i>Langmuir</i> , <b>2005</b> , 21, 1162-5	4	26

47	Creation of cadmium sulfide nanostructures using AFM dip-pen nanolithography. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 22337-40	3.4	42
46	Electrochemical detection of nitric oxide in biological fluids. <i>Methods in Enzymology</i> , <b>2005</b> , 396, 68-77	1.7	13
45	Iron Nanoparticles Derived from Iron-Complexed Polymethylglutarimide To Produce High-Quality Lithographically Defined Single-Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 2237-2240	9.6	13
44	Etching of carbon nanotubes by ozone--a surface area study. <i>Langmuir</i> , <b>2005</b> , 21, 4200-4	4	81
43	Band structure, phonon scattering, and the performance limit of single-walled carbon nanotube transistors. <i>Physical Review Letters</i> , <b>2005</b> , 95, 146805	7.4	403
42	Rapid and reproducible fabrication of carbon nanotube AFM probes by dielectrophoresis. <i>Nano Letters</i> , <b>2005</b> , 5, 11-4	11.5	100
41	Raman spectral imaging of a carbon nanotube intramolecular junction. <i>Physical Review Letters</i> , <b>2005</b> , 94, 016802	7.4	64
40	Raman spectroscopy and imaging of ultralong carbon nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 3751-8	3.4	65
39	Bright infrared emission from electrically induced excitons in carbon nanotubes. <i>Science</i> , <b>2005</b> , 310, 1171-4	3.4	289
38	Direct Growth of Single Walled Carbon Nanotubes on Flat Substrates for Nanoscale Electronic Applications. <i>Nanoscience and Technology</i> , <b>2005</b> , 113-132	0.6	
37	Mobile ambipolar domain in carbon-nanotube infrared emitters. <i>Physical Review Letters</i> , <b>2004</b> , 93, 076803	3.4	126
36	Chemical Vapor Depositions of Single Walled Carbon Nanotube thin films and their applications for sensors in aqueous solutions. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 828, 221		
35	Studies of the chemical and pore structures of the carbon aerogels synthesized by gelation and supercritical drying in isopropanol. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 3060-3067	2.9	15
34	Growth of aligned SWNT arrays from water-soluble molecular clusters for nanotube device fabrication. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 1077	3.6	28
33	Chemical vapor depositions of single-walled carbon nanotubes catalyzed by uniform Fe <sub>2</sub> O <sub>3</sub> nanoclusters synthesized using diblock copolymer micelles. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 6124-9	3.4	90
32	A simple chemical route to selectively eliminate metallic carbon nanotubes in nanotube network devices. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10520-1	16.4	136
31	Site-specific fabrication of nanoscale heterostructures: local chemical modification of GaN nanowires using electrochemical dip-pen nanolithography. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 6409-13	16.4	51
30	Controlled Growth of Long GaN Nanowires from Catalyst Patterns Fabricated by Dip-Pen Nanolithographic Techniques. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 1633-1636	9.6	53

29	Polymer Electrolyte-Gated Carbon Nanotube Field-Effect Transistor. <i>Nano Letters</i> , <b>2004</b> , 4, 623-627	11.5	104
28	Growth Mechanism of Oriented Long Single Walled Carbon Nanotubes Using Fast-Heating Chemical Vapor Deposition Process. <i>Nano Letters</i> , <b>2004</b> , 4, 1025-1028	11.5	337
27	Recent Advances in Methods of Forming Carbon Nanotubes. <i>MRS Bulletin</i> , <b>2004</b> , 29, 244-250	3.2	84
26	Solution-phase synthesis of single-crystalline iron phosphide nanorods/nanowires. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 1195-8	16.4	220
25	Growth of millimeter-long and horizontally aligned single-walled carbon nanotubes on flat substrates. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5636-7	16.4	384
24	Oriented Long Single Walled Carbon Nanotubes on Substrates from Floating Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 13251-13254	3.4	60
23	Preparation of Tungsten Bronze Nanowires. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 789, 246		
22	Fabrication of Activated Carbon Fibers/Carbon Aerogels Composites by Gelation and Supercritical Drying in Isopropanol. <i>Journal of Materials Research</i> , <b>2003</b> , 18, 2765-2773	2.5	29
21	Thermal Recovery Behavior of Fluorinated Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 293-296	3.4	58
20	Tungsten Oxide Nanowires on Tungsten Substrates. <i>Nano Letters</i> , <b>2002</b> , 2, 849-851	11.5	260
19	Synthesis of nearly uniform single-walled carbon nanotubes using identical metal-containing molecular nanoclusters as catalysts. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 13688-9	16.4	166
18	Selective Coating of Single Wall Carbon Nanotubes with Thin SiO <sub>2</sub> Layer. <i>Nano Letters</i> , <b>2002</b> , 2, 329-332	11.5	148
17	Efficient CVD Growth of Single-Walled Carbon Nanotubes on Surfaces Using Carbon Monoxide Precursor. <i>Nano Letters</i> , <b>2002</b> , 2, 895-898	11.5	122
16	Direct-writing of polymer nanostructures: poly(thiophene) nanowires on semiconducting and insulating surfaces. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 522-3	16.4	288
15	Preparation of Monodispersed Fe <sub>3</sub> O <sub>4</sub> Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 1008-1014	9.6	280
14	Electrochemical AFM "dip-pen" nanolithography. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 2105-6	16.4	214
13	Oxygen-containing functional groups on single-wall carbon nanotubes: NEXAFS and vibrational spectroscopic studies. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 10699-704	16.4	431
12	Au Ink for AFM Dip-Pen Nanolithography. <i>Langmuir</i> , <b>2001</b> , 17, 2575-2578	4	116

11	A scalable CVD method for the synthesis of single-walled carbon nanotubes with high catalyst productivity. <i>Chemical Physics Letters</i> , <b>2000</b> , 322, 321-326	2.5	314
10	Lattice-Oriented Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 6505-6508	3.4	88
9	Controlled deposition of individual single-walled carbon nanotubes on chemically functionalized templates. <i>Chemical Physics Letters</i> , <b>1999</b> , 303, 125-129	2.5	457
8	Fullerene 'crop circles'. <i>Nature</i> , <b>1997</b> , 385, 780-781	50.4	346
7	Electron tunneling microscopy: a direct probe of metal substitution in BiSrCaCuO superconductors. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 243, 305-308	2.7	
6	Understanding and Manipulating Inorganic Materials with Scanning Probe Microscopes. <i>Angewandte Chemie International Edition in English</i> , <b>1996</b> , 35, 686-704		27
5	Intrinsic features of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> tunneling spectra: Scaling and symmetry of the energy gap. <i>Physical Review B</i> , <b>1994</b> , 49, 6234-6238	3.3	25
4	Surface pinning and grain boundary formation in magnetic flux-line lattices of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> high-T <sub>c</sub> superconductors. <i>Physical Review Letters</i> , <b>1994</b> , 72, 748-751	7.4	31
3	Dependence of the energy gap on T <sub>c</sub> : Absence of scaling in the copper oxide superconductors. <i>Physical Review Letters</i> , <b>1993</b> , 70, 3494-3497	7.4	29
2	Dual-Functional NbN Ultrafine Nanocrystals Enabling Kinetically Boosted Lithium Sulfur Batteries. <i>Advanced Functional Materials</i> , 2111586	15.6	6
1	High entropy spinel oxide for efficient electrochemical oxidation of ammonia. <i>Nano Research</i> , 1	10	3