

# Wenjun Zhang

## List of Publications by Citations

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279  
papers

15,082  
citations

70  
h-index

110  
g-index

298  
ext. papers

17,639  
ext. citations

9.5  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
279	A graphene quantum dot photodynamic therapy agent with high singlet oxygen generation. <i>Nature Communications</i> , <b>2014</b> , 5, 4596	17.4	946
278	Green Synthesis of Bifunctional Fluorescent Carbon Dots from Garlic for Cellular Imaging and Free Radical Scavenging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17054-60	9.5	352
277	Silicon nanowires for rechargeable lithium-ion battery anodes. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 033105	3.4	329
276	Photosensitizers for Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900132	10.1	324
275	Hierarchical nanotubes assembled from MoS <sub>2</sub> -carbon monolayer sandwiched superstructure nanosheets for high-performance sodium ion batteries. <i>Nano Energy</i> , <b>2016</b> , 22, 27-37	17.1	278
274	Vertically aligned boron nitride nanosheets: chemical vapor synthesis, ultraviolet light emission, and superhydrophobicity. <i>ACS Nano</i> , <b>2010</b> , 4, 414-22	16.7	261
273	One-dimensional III-VI nanostructures: Synthesis, properties and optoelectronic applications. <i>Nano Today</i> , <b>2010</b> , 5, 313-336	17.9	261
272	Interlayer Nanoarchitectonics of Two-Dimensional Transition-Metal Dichalcogenides Nanosheets for Energy Storage and Conversion Applications. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700571	21.8	209
271	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
270	Hierarchical Composite Electrodes of Nickel Oxide Nanoflake 3D Graphene for High-Performance Pseudocapacitors. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6372-6380	15.6	185
269	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
268	Lithiophilic Cu-CuO-Ni Hybrid Structure: Advanced Current Collectors Toward Stable Lithium Metal Anodes. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705830	24	176
267	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
266	Arrays of ZnO/Zn(x)Cd(1-x)Se nanocables: band gap engineering and photovoltaic applications. <i>Nano Letters</i> , <b>2011</b> , 11, 4138-43	11.5	172
265	Review on photocatalytic and electrocatalytic artificial nitrogen fixation for ammonia synthesis at mild conditions: Advances, challenges and perspectives. <i>Nano Research</i> , <b>2019</b> , 12, 1229-1249	10	172
264	Two-photon-excited near-infrared emissive carbon dots as multifunctional agents for fluorescence imaging and photothermal therapy. <i>Nano Research</i> , <b>2017</b> , 10, 3113-3123	10	170
263	Hierarchical composite structure of few-layers MoS <sub>2</sub> nanosheets supported by vertical graphene on carbon cloth for high-performance hydrogen evolution reaction. <i>Nano Energy</i> , <b>2015</b> , 18, 196-204	17.1	163

262	Surface-Dominated Transport Properties of Silicon Nanowires. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3251-3257	15.6	161
261	Iron Vacancies Induced Bifunctionality in Ultrathin Feoxyhyte Nanosheets for Overall Water Splitting. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803144	24	160
260	Biocompatible D-A Semiconducting Polymer Nanoparticle with Light-Harvesting Unit for Highly Effective Photoacoustic Imaging Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605094	15.6	152
259	Ultralarge elastic deformation of nanoscale diamond. <i>Science</i> , <b>2018</b> , 360, 300-302	33.3	151
258	High detectivity solar-blind high-temperature deep-ultraviolet photodetector based on multi-layered (100) facet-oriented GaN nanobelts. <i>Small</i> , <b>2014</b> , 10, 1848-56	11	149
257	Three-dimensional-networked NiCo <sub>2</sub> S <sub>4</sub> nanosheet array/carbon cloth anodes for high-performance lithium-ion batteries. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e195-e195	10.3	147
256	An Aqueous Zn-Ion Hybrid Supercapacitor with High Energy Density and Ultrastability up to 80 000 Cycles. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902915	21.8	137
255	Surface engineering of ZnO nanostructures for semiconductor-sensitized solar cells. <i>Advanced Materials</i> , <b>2014</b> , 26, 5337-67	24	131
254	Carbon nanoparticle-based ratiometric fluorescent sensor for detecting mercury ions in aqueous media and living cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21270-8	9.5	131
253	Germanium-graphene composite anode for high-energy lithium batteries with long cycle life. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1821-1826	13	130
252	Self-Monitoring and Self-Delivery of Photosensitizer-Doped Nanoparticles for Highly Effective Combination Cancer Therapy in Vitro and in Vivo. <i>ACS Nano</i> , <b>2015</b> , 9, 9741-56	16.7	129
251	Light-emitting diodes enhanced by localized surface plasmon resonance. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 199	5	129
250	Three-dimensional Sn-graphene anode for high-performance lithium-ion batteries. <i>Nanoscale</i> , <b>2013</b> , 5, 10599-604	7.7	128
249	In situ incorporation of FeS nanoparticles/carbon nanosheets composite with an interconnected porous structure as a high-performance anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3697-3703	13	125
248	Photothermal theragnosis synergistic therapy based on bimetal sulphide nanocrystals rather than nanocomposites. <i>Advanced Materials</i> , <b>2015</b> , 27, 1339-45	24	123
247	Core-shell Si/C nanospheres embedded in bubble sheet-like carbon film with enhanced performance as lithium ion battery anodes. <i>Small</i> , <b>2015</b> , 11, 1345-51	11	122
246	High-Rate Deposition of High-Quality, Thick Cubic Boron Nitride Films by Bias-Assisted DC Jet Plasma Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2000</b> , 39, L442-L444	1.4	122
245	rGO/SnS <sub>2</sub> /TiO <sub>2</sub> heterostructured composite with dual-confinement for enhanced lithium-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 25056-25063	13	112

244	Surface passivation and band engineering: a way toward high efficiency graphene/planar Si solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8567	13	108
243	Solvent-Polarity-Engineered Controllable Synthesis of Highly Fluorescent Cesium Lead Halide Perovskite Quantum Dots and Their Use in White Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8478-8486	15.6	107
242	High-efficiency graphene/Si nanoarray Schottky junction solar cells via surface modification and graphene doping. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6593	13	107
241	Iron(II) molybdate (FeMoO <sub>4</sub> ) nanorods as a high-performance anode for lithium ion batteries: structural and chemical evolution upon cycling. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20527-20534	13	106
240	Graphene-Nanowall-Decorated Carbon Felt with Excellent Electrochemical Activity Toward VO/VO Couple for All Vanadium Redox Flow Battery. <i>Advanced Science</i> , <b>2016</b> , 3, 1500276	13.6	106
239	Photoconductivity of a Single Small-Molecule Organic Nanowire. <i>Advanced Materials</i> , <b>2008</b> , 20, 2427-2432	10.1	101
238	Copper substituted P2-type Na <sub>0.67</sub> Cu <sub>x</sub> Mn <sub>1-x</sub> O <sub>2</sub> : a stable high-power sodium-ion battery cathode. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22846-22852	13	99
237	In situ nitrogen-doped graphene grown from polydimethylsiloxane by plasma enhanced chemical vapor deposition. <i>Nanoscale</i> , <b>2013</b> , 5, 600-5	7.7	98
236	Unconventional Nickel Nitride Enriched with Nitrogen Vacancies as a High-Efficiency Electrocatalyst for Hydrogen Evolution. <i>Advanced Science</i> , <b>2018</b> , 5, 1800406	13.6	97
235	Copolythiophene-derived colorimetric and fluorometric sensor for visually supersensitive determination of lipopolysaccharide. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6685-94	16.4	96
234	Vertically Aligned Graphene Nanosheet Arrays: Synthesis, Properties and Applications in Electrochemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700678	21.8	92
233	Layer-stacked cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) mesoporous platelets for high-performance lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6990-6997	13	91
232	In Situ Carbon-Doped Mo <sub>2</sub> (Se <sub>0.85</sub> S <sub>0.15</sub> ) <sub>2</sub> Hierarchical Nanotubes as Stable Anodes for High-Performance Sodium-Ion Batteries. <i>Small</i> , <b>2015</b> , 11, 5667-74	11	89
231	Visible-NIR photodetectors based on CdTe nanoribbons. <i>Nanoscale</i> , <b>2012</b> , 4, 2914-9	7.7	88
230	Bactericidal activity of biomimetic diamond nanocone surfaces. <i>Biointerphases</i> , <b>2016</b> , 11, 011014	1.8	85
229	Poking cells for efficient vector-free intracellular delivery. <i>Nature Communications</i> , <b>2014</b> , 5, 4466	17.4	84
228	Controlled assembly of highly Raman-enhancing silver nanocap arrays templated by porous anodic alumina membranes. <i>Small</i> , <b>2009</b> , 5, 2333-7	11	80
227	Recent developments of wide-bandgap semiconductor based UV sensors. <i>Diamond and Related Materials</i> , <b>2009</b> , 18, 860-864	3.5	80

226	Diamond nanostructures for drug delivery, bioimaging, and biosensing. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 734-760	58.5	79
225	A carbon dot-based fluorescence turn-on sensor for hydrogen peroxide with a photo-induced electron transfer mechanism. <i>Chemical Communications</i> , <b>2015</b> , 51, 15574-7	5.8	78
224	Sulfur-deficient MoS <sub>2</sub> grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12068-12074	13	77
223	Graphitic carbon nitride solid nanofilms for selective and recyclable sensing of Cu <sup>2+</sup> and Ag <sup>+</sup> in water and serum. <i>Chemical Communications</i> , <b>2014</b> , 50, 15415-8	5.8	77
222	Synthesis of honeycomb-like mesoporous pyrite FeS <sub>2</sub> microspheres as efficient counter electrode in quantum dots sensitized solar cells. <i>Small</i> , <b>2014</b> , 10, 4754-9	11	77
221	A three-dimensional graphene scaffold supported thin film silicon anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10092	13	77
220	Three-dimensional networked NiCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> branched nanowire heterostructure arrays on nickel foam with enhanced supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1717-1723	13	76
219	Dendritic heterojunction nanowire arrays for high-performance supercapacitors. <i>Scientific Reports</i> , <b>2015</b> , 5, 7862	4.9	76
218	Highly sensitive fluorescent probe for thiols based on combination of PET and ESIPT mechanisms. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 156, 332-337	8.5	75
217	Oxygen-deficient titanium dioxide as a functional host for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10346-10353	13	74
216	Silicon nanowire sensors for Hg <sup>2+</sup> and Cd <sup>2+</sup> ions. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 193101	3.4	74
215	Fe <sub>3</sub> O <sub>4</sub> /C nanocomposites from sugarcane waste-derived microporous carbon for high-performance lithium ion batteries. <i>Green Chemistry</i> , <b>2016</b> , 18, 3029-3039	10	73
214	Editable asymmetric all-solid-state supercapacitors based on high-strength, flexible, and programmable 2D-metal-organic framework/reduced graphene oxide self-assembled papers. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20254-20266	13	73
213	Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified Ti <sub>3</sub> C <sub>2</sub> MXene Nanosheets. <i>ACS Nano</i> , <b>2020</b> , 14, 9089-9097	16.7	71
212	MoS <sub>2</sub> nanobelts with (002) plane edges-enriched flat surfaces for high-rate sodium and lithium storage. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 65-74	19.4	71
211	Recent progress in organic molecule/graphene interfaces. <i>Nano Today</i> , <b>2013</b> , 8, 388-402	17.9	70
210	Facile synthesis and electrochemical characterization of porous and dense TiO <sub>2</sub> nanospheres for lithium-ion battery applications. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 6394-6399	8.9	70
209	A recyclable carbon nanoparticle-based fluorescent probe for highly selective and sensitive detection of mercapto biomolecules. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 127-134	7.3	69

208	Degradable Hollow Mesoporous Silicon/Carbon Nanoparticles for Photoacoustic Imaging-Guided Highly Effective Chemo-Thermal Tumor Therapy and. <i>Theranostics</i> , <b>2017</b> , 7, 3007-3020	12.1	67
207	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
206	Highly efficient microwave absorption properties and broadened absorption bandwidth of MoS <sub>2</sub> -iron oxide hybrids and MoS <sub>2</sub> -based reduced graphene oxide hybrids with Hetero-structures. <i>Applied Surface Science</i> , <b>2018</b> , 462, 872-882	6.7	65
205	Vertical nanostructure arrays by plasma etching for applications in biology, energy, and electronics. <i>Nano Today</i> , <b>2013</b> , 8, 265-289	17.9	65
204	CdS/CdSe Double-Sensitized ZnO Nanocable Arrays Synthesized by Chemical Solution Method and Their Photovoltaic Applications. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 2656-2661	3.8	64
203	The introducing of fluorine into the deposition of BN: a successful method to obtain high-quality, thick cBN films with low residual stress. <i>Diamond and Related Materials</i> , <b>2001</b> , 10, 1868-1874	3.5	64
202	Superhydrophobic SERS chip based on a Ag coated natural taro-leaf. <i>Nanoscale</i> , <b>2016</b> , 8, 11487-93	7.7	64
201	Light-weight 3D Co-N-doped hollow carbon spheres as efficient electrocatalysts for rechargeable zinc-air batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 10412-10419	7.7	63
200	Superior Pseudocapacitive Lithium-Ion Storage in Porous Vanadium Oxides@C Heterostructure Composite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43665-43673	9.5	61
199	A silicon nanowire-reduced graphene oxide composite as a high-performance lithium ion battery anode material. <i>Nanoscale</i> , <b>2014</b> , 6, 3353-60	7.7	60
198	Facile solution growth of vertically aligned ZnO nanorods sensitized with aqueous CdS and CdSe quantum dots for photovoltaic applications. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 340	5	60
197	Layered double hydroxide nanostructures and nanocomposites for biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5583-5601	7.3	58
196	Carbon Dots as Multifunctional Phototheranostic Agents for Photoacoustic/Fluorescence Imaging and Photothermal/Photodynamic Synergistic Cancer Therapy. <i>Advanced Therapeutics</i> , <b>2018</b> , 1, 1800077	4.9	57
195	A Biocompatible Free Radical Nanogenerator with Real-Time Monitoring Capability for High Performance Sequential Hypoxic Tumor Therapy. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903436	15.6	56
194	Low-cost porous Cu <sub>2</sub> ZnSnSe <sub>4</sub> film remarkably superior to noble Pt as counter electrode in quantum dot-sensitized solar cell system. <i>Journal of Power Sources</i> , <b>2013</b> , 226, 359-362	8.9	56
193	P2-Type NaCuNiMnO Cathodes with High Voltage for High-Power and Long-Life Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 31661-31668	9.5	55
192	Surface-Engineered Black Niobium Oxide@Graphene Nanosheets for High-Performance Sodium-/Potassium-Ion Full Batteries. <i>Small</i> , <b>2019</b> , 15, e1901272	11	54
191	Electrochemical Energy Storage Application and Degradation Analysis of Carbon-Coated Hierarchical NiCo <sub>2</sub> S <sub>4</sub> Core-Shell Nanowire Arrays Grown Directly on Graphene/Nickel Foam. <i>Scientific Reports</i> , <b>2016</b> , 6, 20264	4.9	54

190	Microstructure and water-lubricated friction and wear properties of CrN(C) coatings with different carbon contents. <i>Applied Surface Science</i> , <b>2013</b> , 268, 579-587	6.7	54
189	Size Controllable and Surface Tunable Zeolitic Imidazolate Framework-8-Poly(acrylic acid sodium salt) Nanocomposites for pH Responsive Drug Release and Enhanced in Vivo Cancer Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32990-33000	9.5	54
188	Influence of Ti content on the structure and tribological properties of Ti-DLC coatings in water lubrication. <i>Diamond and Related Materials</i> , <b>2012</b> , 25, 163-175	3.5	54
187	Heterointerface engineering of trilayer-shelled ultrathin MoS <sub>2</sub> /MoP/N-doped carbon hollow nanobubbles for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24783-24792	13	54
186	Mesoporous Nanosheet Networked Hybrids of Cobalt Oxide and Cobalt Phosphate for Efficient Electrochemical and Photoelectrochemical Oxygen Evolution. <i>Small</i> , <b>2017</b> , 13, 1701875	11	53
185	High-performance microwave absorption materials based on MoS <sub>2</sub> -graphene isomorphic hetero-structures. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 758, 62-71	5.7	53
184	A highly selective fluorescent sensor for fluoride in aqueous solution based on the inhibition of excited-state intramolecular proton transfer. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 146, 260-265	8.5	52
183	Recent Advances in Cubic Boron Nitride Deposition. <i>MRS Bulletin</i> , <b>2003</b> , 28, 184-188	3.2	52
182	Spray deposition of water-soluble multiwall carbon nanotube and Cu <sub>2</sub> ZnSnSe <sub>4</sub> nanoparticle composites as highly efficient counter electrodes in a quantum dot-sensitized solar cell system. <i>Nanoscale</i> , <b>2013</b> , 5, 6992-8	7.7	50
181	Lysosome-targetable carbon dots for highly efficient photothermal/photodynamic synergistic cancer therapy and photoacoustic/two-photon excited fluorescence imaging. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124212	14.7	49
180	Advanced materials and nanotechnology for drug delivery. <i>Advanced Materials</i> , <b>2014</b> , 26, 5533-40	24	49
179	Facile synthesis of laminate-structured graphene sheet/Bi <sub>2</sub> Se <sub>3</sub> nanocomposites with superior high reversible specific capacity and cyclic stability for lithium-ion batteries. <i>RSC Advances</i> , <b>2012</b> , 2, 10680	3.7	49
178	A novel fluorogenic hybrid material for selective sensing of thiophenols. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13561		49
177	Highly stable organic fluorescent nanorods for living-cell imaging. <i>Nano Research</i> , <b>2015</b> , 8, 2380-2389	10	48
176	The roles of hydrogen and fluorine in the deposition of cubic boron nitride films in the Ar/N <sub>2</sub> /BF <sub>3</sub> /H <sub>2</sub> system. <i>Chemical Physics Letters</i> , <b>2000</b> , 330, 243-248	2.5	47
175	Visualizing the Initial Step of Self-Assembly and the Phase Transition by Stereogenic Amphiphiles with Aggregation-Induced Emission. <i>ACS Nano</i> , <b>2019</b> , 13, 839-846	16.7	47
174	The effects of dc bias voltage on the crystal size and crystal quality. of cBN films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2000</b> , 71, 469-472	2.6	46
173	Self-Assembly of Electron Donor-Acceptor-Based Carbazole Derivatives: Novel Fluorescent Organic Nanoprobes for Both One- and Two-Photon Cellular Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11355-65	9.5	46

172	Template-Directed Bifunctional Dodecahedral CoP/CN@MoS Electrocatalyst for High Efficient Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36649-36657	9.5	45
171	Surface plasmon resonance enhanced direct Z-scheme TiO/ZnTe/Au nanocorn cob heterojunctions for efficient photocatalytic overall water splitting. <i>Nanoscale</i> , <b>2019</b> , 11, 9053-9060	7.7	44
170	Hot spots in highly Raman-enhancing silver nano-dendrites. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 175403	3	44
169	Graphene encapsulated and SiC reinforced silicon nanowires as an anode material for lithium ion batteries. <i>Nanoscale</i> , <b>2013</b> , 5, 8689-94	7.7	42
168	An oxygen-deficient vanadium oxide@N-doped carbon heterostructure for sodium-ion batteries: insights into the charge storage mechanism and enhanced reaction kinetics. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3450-3458	13	41
167	Phase conversion from hexagonal CuS(y)Se(1-y) to cubic Cu(2-x)S(y)Se(1-y): composition variation, morphology evolution, optical tuning, and solar cell applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16352-9	9.5	40
166	In situ nitridated porous nanosheet networked Co <sub>3</sub> O <sub>4</sub> @Co <sub>4</sub> N heteronanostructures supported on hydrophilic carbon cloth for highly efficient electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 775-782	13	39
165	Plasmonic nanopillar array embedded microfluidic chips: an in situ SERS monitoring platform. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6408-6413	13	39
164	Nanoparticles Encapsulated in Porous Carbon Matrix Coated on Carbon Fibers: An Ultrastable Cathode for Li-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601363	21.8	39
163	Cubic boron nitride films for industrial applications. <i>Diamond and Related Materials</i> , <b>2005</b> , 14, 1784-1790	3.5	39
162	Oxygen-Incorporated NiMoP Nanotube Arrays as Efficient Bifunctional Electrocatalysts For Urea-Assisted Energy-Saving Hydrogen Production in Alkaline Electrolyte. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104951	15.6	39
161	Biodegradable Natural Product-Based Nanoparticles for Near-Infrared Fluorescence Imaging-Guided Sonodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18178-18185	9.5	38
160	Electronic structure of MoO <sub>3</sub> /graphene interface. <i>Carbon</i> , <b>2013</b> , 65, 46-52	10.4	38
159	Copolythiophene-derived colorimetric and fluorometric sensor for lysophosphatidic acid based on multipoint interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2283-8	9.5	38
158	Violet-blue LEDs based on p-GaN/n-ZnO nanorods and their stability. <i>Nanotechnology</i> , <b>2011</b> , 22, 245202	3.4	38
157	Water-Soluble Polythiophene for Two-Photon Excitation Fluorescence Imaging and Photodynamic Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14590-14595	9.5	36
156	In situ formation of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cubes on Ti <sub>3</sub> C <sub>2</sub> MXene for dual-mode sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18525-18532	13	36
155	A nanoindentation study of thick cBN films prepared by chemical vapor deposition. <i>Journal of Crystal Growth</i> , <b>2003</b> , 247, 438-444	1.6	35



154	Heteroepitaxial nucleation of diamond on Si(100) via double bias-assisted hot filament chemical vapor deposition. <i>Diamond and Related Materials</i> , <b>2000</b> , 9, 134-139	3.5	35
153	Deposition of large-area, high-quality cubic boron nitride films by ECR-enhanced microwave-plasma CVD. <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 76, 953-955	2.6	34
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151	A diamond nanoneedle array for potential high-throughput intracellular delivery. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 1103-7	10.1	33
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18	Lithiophilicity conversion of carbon paper with uniform Cu <sub>2</sub> O coating: Boosting stable Li-Cu <sub>2</sub> O-CP composite anode through melting infusion. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124238-124247	14.7	2
17	Solar Cells: Surface Engineering of ZnO Nanostructures for Semiconductor-Sensitized Solar Cells (Adv. Mater. 31/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 5575-5575	24	2
16	Experimental and theoretical investigation of the effects of sample size on copper plasma immersion ion implantation into polyethylene. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 113302	2.5	2
15	Conductive Diamond for Electrochemical Energy Applications <b>2020</b> , 171-199		2
14	Structural engineering of sulfur-doped carbon encapsulated bismuth sulfide core-shell structure for enhanced potassium storage performance. <i>Nano Research</i> , <b>2021</b> , 14, 3545-3551	10	2
13	Intracellular Delivery: Diamond-Nanoneedle-Array-Facilitated Intracellular Delivery and the Potential Influence on Cell Physiology (Adv. Healthcare Mater. 10/2016). <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 1116	10.1	2
12	Profiling MicroRNAs with Associated Spatial Dynamics in Acute Tissue Slices. <i>ACS Nano</i> , <b>2021</b> , 15, 4881-4892	11.2	2
11	Ultrathin two-dimensional nickel-organic framework nanosheets for efficient electrocatalytic urea oxidation. <i>Materials Today Energy</i> , <b>2022</b> , 101024	7	2



10	Silver surface-enhanced raman scattering substrates prepared by a nanofabrication process using Electron Beam Lithography and magnetron sputtering <b>2013</b> ,		1
9	Hot spots in silver nano-dendrites fabricated by self-selective electroless plating <b>2010</b> ,		1
8	Diamond and cubic boron nitride: synthesis and electronic applications		1
7	The Origin of Mis-Oriented Diamond Grains Nucleated Directly on (001) Silicon Surface. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 529, 139		1
6	Time-dependent photoconductive properties of polycrystalline diamond films with different boron concentration. <i>Materials Letters</i> , <b>1995</b> , 25, 17-20	3.3	1
5	Ultrasound-Enhanced Self-Exciting Photodynamic Therapy Based on Hypocrellin B. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 1221-1224	4.5	1
4	Amphiphilic Diketopyrrolopyrrole Derivatives for Efficient Near-Infrared Fluorescence Imaging and Photothermal Therapy. <i>ACS Omega</i> , <b>2021</b> , 6, 26575-26582	3.9	1
3	Extracellular Vesicles for the Diagnosis of Cancers. <i>Small Structures</i> , 2100096	8.7	0
2	Boosting capacity and operating voltage of LiVO <sub>3</sub> as cathode for lithium-ion batteries by activating oxygen reaction in the lattice. <i>Journal of Power Sources</i> , <b>2022</b> , 517, 230728	8.9	0
1	Vapor phase epitaxy of PbS single-crystal films on water-soluble substrates and application to photodetectors. <i>Nano Research</i> , 1	10	0