

# Wenjun Zhang

## 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.

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	Metal organic frameworks for antibacterial applications. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134975	14.7	3
278	Achieving highly efficient pH-universal hydrogen evolution by superhydrophilic amorphous/crystalline Rh(OH) <sub>3</sub> /NiTe coaxial nanorod array electrode. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 305, 121088	21.8	8
277	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
276	Ni single atoms anchored on N-doped carbon nanosheets as bifunctional electrocatalysts for Urea-assisted rechargeable Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 310, 121352	21.8	8
275	Electrochemical Capacitors with Confined Redox Electrolytes and Porous Electrodes.. <i>Advanced Materials</i> , <b>2022</b> , e2202380	24	3
274	Ultrathin two-dimensional nickel-organic framework nanosheets for efficient electrocatalytic urea oxidation. <i>Materials Today Energy</i> , <b>2022</b> , 101024	7	2
273	Near-Infrared Light-Triggered Lysosome-Targetable Carbon Dots for Photothermal Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 53610-53617	9.5	8
272	Nanocapillarity and Nanoconfinement Effects of Pipet-like Bismuth@Carbon Nanotubes for Highly Efficient Electrocatalytic CO Reduction. <i>Nano Letters</i> , <b>2021</b> , 21, 2650-2657	11.5	29
271	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
270	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
269	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
268	Element-doped graphitic carbon nitride: confirmation of doped elements and applications. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 4370-4387	5.1	4
267	Profiling MicroRNAs with Associated Spatial Dynamics in Acute Tissue Slices. <i>ACS Nano</i> , <b>2021</b> , 15, 4881-4892	17	2
266	Dilute Aqueous-Aprotic Hybrid Electrolyte Enabling a Wide Electrochemical Window through Solvation Structure Engineering. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102390	24	11
265	Plasma-assisted synthesis of nickel-cobalt nitride/oxide hybrids for high-efficiency electrochemical hydrogen evolution. <i>Materials Today Energy</i> , <b>2021</b> , 21, 100784	7	6
264	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
263	Trilayer organic narrowband photodetector with electrically-switchable spectral range and color sensing ability. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 3814-3819	7.1	4

262	Fluorinated Carbonate Electrolyte with Superior Oxidative Stability Enables Long-Term Cycle Stability of Na <sub>2</sub> /3Ni <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> Cathodes in Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002737	21.8	10
261	Boosting Polysulfide Conversion in Lithium Sulfur Batteries by Cobalt-Doped Vanadium Nitride Microflowers. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 4523-4530	6.1	18
260	Hypocrellin-Based Multifunctional Phototheranostic Agent for NIR-Triggered Targeted Chemo/Photodynamic/Photothermal Synergistic Therapy against Glioblastoma.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 3817-3826	4.1	6
259	UV-to-IR highly transparent ultrathin diamond nanofilms with intriguing performances: Anti-fogging, self-cleaning and self-lubricating. <i>Applied Surface Science</i> , <b>2020</b> , 527, 146733	6.7	10
258	High-Efficiency Cellular Reprogramming by Nanoscale Puncturing. <i>Nano Letters</i> , <b>2020</b> , 20, 5473-5481	11.5	2
257	Engineering the coordination environment enables molybdenum single-atom catalyst for efficient oxygen reduction reaction. <i>Journal of Catalysis</i> , <b>2020</b> , 389, 150-156	7.3	32
256	Tunable Photo-Electrochemistry of Patterned TiO <sub>2</sub> /BDD Heterojunctions. <i>Small Methods</i> , <b>2020</b> , 4, 20002578	15.8	11
255	Controllable growth and flexible optoelectronic devices of regularly-assembled Bi <sub>2</sub> S <sub>3</sub> semiconductor nanowire bifurcated junctions and crosslinked networks. <i>Nano Research</i> , <b>2020</b> , 13, 2226-2232	10.3	5
254	Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified TiCT MXene Nanosheets. <i>ACS Nano</i> , <b>2020</b> , 14, 9089-9097	16.7	71
253	High-throughput intracellular biopsy of microRNAs for dissecting the temporal dynamics of cellular heterogeneity. <i>Science Advances</i> , <b>2020</b> , 6, eaba4971	14.3	7
252	Defect engineering of nanostructured electrocatalysts for enhancing nitrogen reduction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 7457-7473	13	26
251	Photosensitizer doped zeolitic imidazolate framework-8 nanocomposites for combined antibacterial therapy to overcome methicillin-resistant Staphylococcus aureus (MRSA). <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 190, 110900	6	8
250	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
249	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
248	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, 124258	14.7	2
247	Bismuth nanorod networks confined in a robust carbon matrix as long-cycling and high-rate potassium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 8440-8446	13	33
246	Cutting performance of cubic boron nitride-coated tools in dry turning of hardened ductile iron. <i>Journal of Manufacturing Processes</i> , <b>2020</b> , 56, 158-168	5	11
245	Conductive Diamond for Electrochemical Energy Applications <b>2020</b> , 171-199		2

244	High-Performance NaVO <sub>3</sub> with Mixed Cationic and Anionic Redox Reactions for Na-Ion Battery Applications. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 8836-8844	9.6	9
243	Nanostructured and Boron-Doped Diamond as an Electrocatalyst for Nitrogen Fixation. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2590-2596	20.1	31
242	Boosting oxygen evolution reaction on graphene through engineering electronic structure. <i>Carbon</i> , <b>2020</b> , 170, 414-420	10.4	10
241	A two-photon fluorescent probe for sensitive detection and imaging of $\beta$ -glutamyl transpeptidase. <i>Chemical Communications</i> , <b>2020</b> , 56, 10902-10905	5.8	8
240	Flexible Diamond Fibers for High-Energy-Density Zinc-Ion Supercapacitors. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2002202	21.8	31
239	Near-Infrared Hypocrellin Derivatives for Synergistic Photodynamic and Photothermal Therapy. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 3462-3468	4.5	3
238	A graphene rheostat for highly durable and stretchable strain sensor. <i>Information Materials</i> , <b>2019</b> , 1, 396-406	3.1	22
237	Dual Fenton Catalytic Nanoreactor for Integrative Type-I and Type-II Photodynamic Therapy Against Hypoxic Cancer Cells. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 3854-3860	4.1	21
236	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
235	Template-Directed Bifunctional Dodecahedral CoP/CN@MoS <sub>2</sub> Electrocatalyst for High Efficient Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36649-36657	9.5	45
234	"Seeing" and Controlling Photoisomerization by (E)/(Z)-Isomers with Aggregation-Induced Emission Characteristics. <i>ACS Nano</i> , <b>2019</b> , 13, 12120-12126	16.7	18
233	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
232	van der Waals Epitaxial Growth and Interfacial Passivation of Two-Dimensional Single-Crystalline Few-Layer Gray Arsenic Nanoflakes. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 4524-4535	9.6	23
231	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
230	Pyrene-derivatized highly fluorescent carbon dots for the sensitive and selective determination of ferric ions and dopamine. <i>Dyes and Pigments</i> , <b>2019</b> , 170, 107574	4.6	32
229	Photosensitizers for Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900132	10.1	324
228	Nitrogen-Doped Graphene-Encapsulated Nickel-Copper Alloy Nanoflower for Highly Efficient Electrochemical Hydrogen Evolution Reaction. <i>Small</i> , <b>2019</b> , 15, e1901545	11	32
227	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

226	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
225	Nitrogen-Doped Carbon-Encapsulated Antimony Sulfide Nanowires Enable High Rate Capability and Cyclic Stability for Sodium-Ion Batteries. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1457-1465	5.6	32
224	Surface plasmon resonance enhanced direct Z-scheme TiO <sub>2</sub> /ZnTe/Au nanocorn cob heterojunctions for efficient photocatalytic overall water splitting. <i>Nanoscale</i> , <b>2019</b> , 11, 9053-9060	7.7	44
223	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
222	Hierarchically nanostructured ZnCo <sub>2</sub> O <sub>4</sub> particles in 3D graphene networks for high-rate and long-life lithium ion batteries. <i>Materials Today Energy</i> , <b>2019</b> , 12, 46-52	7	14
221	Defect-engineered vanadium trioxide nanofiber bundle@graphene hybrids for high-performance all-vanadate Na-ion and K-ion full batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19581-19588	13	21
220	Optically tunable fluorescent carbon nanoparticles and their application in fluorometric sensing of copper ions. <i>Nano Research</i> , <b>2019</b> , 12, 2576-2583	10	32
219	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
218	Nearly monodispersed MoS <sub>2</sub> hierarchical architectures as superior anodes for electrochemical lithium-storage. <i>Nanotechnology</i> , <b>2019</b> , 30, 415402	3.4	5
217	Electrochemically Stable Sodium Metal-Tellurium/Carbon Nanorods Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1903046	21.8	22
216	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
215	Lithiophilicity conversion of the Cu surface through facile thermal oxidation: boosting a stable Li <sub>2</sub> O composite anode through melt infusion. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5726-5732	13	22
214	Batteries: Electrochemically Stable Sodium Metal-Tellurium/Carbon Nanorods Batteries (Adv. Energy Mater. 48/2019). <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1970190	21.8	3
213	Hydrogen Evolution Reaction: Nitrogen-Doped Graphene-Encapsulated Nickel-Copper Alloy Nanoflower for Highly Efficient Electrochemical Hydrogen Evolution Reaction (Small 48/2019). <i>Small</i> , <b>2019</b> , 15, 1970260	11	5
212	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
211	Green Mass Production of Pure Nanodrugs via an Ice-Template-Assisted Strategy. <i>Nano Letters</i> , <b>2019</b> , 19, 658-665	11.5	25
210	Electrostatic self-assembly seeding strategy to improve machining performance of nanocrystalline diamond coated cutting tools. <i>Surface and Coatings Technology</i> , <b>2019</b> , 357, 870-878	4.4	12
209	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

208	Ultralarge elastic deformation of nanoscale diamond. <i>Science</i> , <b>2018</b> , 360, 300-302	33.3	151
207	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
206	Controlling Directional Liquid Motion on Micro- and Nanocrystalline Diamond/BC Composite Gradient Films. <i>Langmuir</i> , <b>2018</b> , 34, 1419-1428	4	14
205	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
204	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
203	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
202	Iron Vacancies Induced Bifunctionality in Ultrathin Feroxyhyte Nanosheets for Overall Water Splitting. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803144	24	160
201	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
200	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
199	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
198	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
197	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
196	Editable asymmetric all-solid-state supercapacitors based on high-strength, flexible, and programmable 2D-metalorganic framework/reduced graphene oxide self-assembled papers. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20254-20266	13	73
195	Self-Adaptive Electrode with SWCNT Bundles as Elastic Substrate for High-Rate and Long-Cycle-Life Lithium/Sodium Ion Batteries. <i>Small</i> , <b>2018</b> , 14, e1802913	11	23
194	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
193	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	33
192	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
191	Feroxyhyte Nanosheets: Iron Vacancies Induced Bifunctionality in Ultrathin Feroxyhyte Nanosheets for Overall Water Splitting (Adv. Mater. 36/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870272	24	13

190	Synthesis of Mesoporous ZIF-8 Nanoribbons and their Conversion into Carbon Nanoribbons for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11185-11192	4.8	20
189	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
188	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
187	Averaging effect on improving signal reproducibility of gap-based and gap-free SERS substrates based on ordered Si nanowire arrays. <i>RSC Advances</i> , <b>2017</b> , 7, 5297-5305	3.7	8
186	Firmly anchored photosensitizer Chlorin e6 to layered double hydroxide nanoflakes for highly efficient photodynamic therapy in vivo. <i>Chemical Communications</i> , <b>2017</b> , 53, 2339-2342	5.8	21
185	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
184	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
183	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
182	From wheat bran derived carbonaceous materials to a highly stretchable and durable strain sensor. <i>RSC Advances</i> , <b>2017</b> , 7, 22619-22626	3.7	14
181	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
180	Diamond nanostructures for drug delivery, bioimaging, and biosensing. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 734-760	58.5	79
179	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
178	MoS Nanosheets Supported on Hollow Carbon Spheres as Efficient Catalysts for Electrochemical Hydrogen Evolution Reaction. <i>ACS Omega</i> , <b>2017</b> , 2, 5087-5094	3.9	28
177	Colorimetric analysis of lipopolysaccharides based on its self-assembly to inhibit ion transport. <i>Analytica Chimica Acta</i> , <b>2017</b> , 992, 85-93	6.6	7
176	A Novel Type of Aqueous Dispersible Ultrathin-Layered Double Hydroxide Nanosheets for in Vivo Bioimaging and Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34185-34193	9.5	30
175	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
174	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
173	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

172	Construction of MoO Quantum Dot-Graphene and MoS Nanoparticle-Graphene Nanoarchitectures toward Ultrahigh Lithium Storage Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28441-28450	9.5	29
171	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
170	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
169	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
168	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
167	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
166	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
165	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
164	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
163	Diamond-Nanoneedle-Array-Facilitated Intracellular Delivery and the Potential Influence on Cell Physiology. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 1157-68	10.1	19
162	Fe <sub>1-x</sub> S/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
161	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
160	GaN nanowire arrays by a patterned metal-assisted chemical etching. <i>Journal of Crystal Growth</i> , <b>2016</b> , 440, 96-101	1.6	13
159	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
158	Synthesis of high-quality mesoporous silicon particles for enhanced lithium storage performance. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 173, 89-94	4.4	9
157	Bactericidal activity of biomimetic diamond nanocone surfaces. <i>Biointerphases</i> , <b>2016</b> , 11, 011014	1.8	85
156	Superhydrophobic SERS chip based on a Ag coated natural taro-leaf. <i>Nanoscale</i> , <b>2016</b> , 8, 11487-93	7.7	64
155	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



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152	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
151	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
150	Synthesis of SiC decorated carbonaceous nanorods and its hierarchical composites Si@SiC@C for high-performance lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 646, 966-972	5.7	24
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145	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
144	Water Evaporation Induced Conversion of CuSe Nanoflakes to Cu <sub>2</sub> Se Hierarchical Columnar Superstructures for High-Performance Solar Cell Applications. <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 840-847	3.1	25
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141	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
140	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
139	Interrogation of Cellular Innate Immunity by Diamond-Nanoneedle-Assisted Intracellular Molecular Fishing. <i>Nano Letters</i> , <b>2015</b> , 15, 7058-63	11.5	26
138	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
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136	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
135	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
134	A selective fluorescent and colorimetric dual-responses chemosensor for streptomycin based on polythiophene derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 136 Pt B, 871-4	4.4	16
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127	Surface engineering of ZnO nanostructures for semiconductor-sensitized solar cells. <i>Advanced Materials</i> , <b>2014</b> , 26, 5337-67	24	131
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17	Structure analysis of cBN films prepared by DC jet plasma CVD from an Ar <sub>2</sub> BF <sub>3</sub> H <sub>2</sub> gas system. <i>Diamond and Related Materials</i> , <b>2001</b> , 10, 1881-1885	3.5	32
16	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
15	Effects at reactive ion etching of CVD diamond. <i>Thin Solid Films</i> , <b>2000</b> , 368, 222-226	2.2	17
14	The roles of hydrogen and fluorine in the deposition of cubic boron nitride films in the Ar <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
13	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
12	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
11	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



10	The contribution of H <sup>+</sup> ion etching during the initial deposition stage to the orientation grade of diamond films. <i>Thin Solid Films</i> , <b>1999</b> , 348, 84-89	2.2	4
9	Theoretical study on misoriented diamond nucleations on Si(001) surface. <i>Diamond and Related Materials</i> , <b>1999</b> , 8, 1418-1422	3.5	5
8	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
7	(001)-textured growth of diamond films on polycrystalline diamond substrates by bias-assisted chemical vapor deposition. <i>Journal of Crystal Growth</i> , <b>1997</b> , 171, 485-492	1.6	12
6	Electrical and photoconductive properties of boron-doped polycrystalline diamond films. <i>Journal of Materials Research</i> , <b>1995</b> , 10, 2350-2354	2.5	3
5	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
4	Study on I <sub>V</sub> characteristics of diamond films synthesized by D.C. arc discharge plasma chemical vapour deposition. <i>Thin Solid Films</i> , <b>1991</b> , 205, 39-42	2.2	3
3	Diamond and cubic boron nitride: synthesis and electronic applications		1
2	Extracellular Vesicles for the Diagnosis of Cancers. <i>Small Structures</i> , 2100096	8.7	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