

Wenjun Zhang

List of Publications by Year in descending order

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290
papers

20,098
citations

7096

78
h-index

14208

128
g-index

298
all docs

298
docs citations

298
times ranked

25735
citing authors

#	ARTICLE	IF	CITATIONS
1	A graphene quantum dot photodynamic therapy agent with high singlet oxygen generation. Nature Communications, 2014, 5, 4596.	12.8	1,141
2	Photosensitizers for Photodynamic Therapy. Advanced Healthcare Materials, 2019, 8, e1900132.	7.6	637
3	Green Synthesis of Bifunctional Fluorescent Carbon Dots from Garlic for Cellular Imaging and Free Radical Scavenging. ACS Applied Materials & Interfaces, 2015, 7, 17054-17060.	8.0	494
4	Silicon nanowires for rechargeable lithium-ion battery anodes. Applied Physics Letters, 2008, 93, .	3.3	372
5	Hierarchical nanotubes assembled from MoS ₂ -carbon monolayer sandwiched superstructure nanosheets for high-performance sodium ion batteries. Nano Energy, 2016, 22, 27-37.	16.0	333
6	Oxygen Vacancy Engineering Promoted Photocatalytic Ammonia Synthesis on Ultrathin Two-Dimensional Bismuth Oxybromide Nanosheets. Nano Letters, 2018, 18, 7372-7377.	9.1	308
7	Interlayer Nanoarchitectonics of Two-Dimensional Transition-Metal Dichalcogenides Nanosheets for Energy Storage and Conversion Applications. Advanced Energy Materials, 2017, 7, 1700571.	19.5	303
8	Review on photocatalytic and electrocatalytic artificial nitrogen fixation for ammonia synthesis at mild conditions: Advances, challenges and perspectives. Nano Research, 2019, 12, 1229-1249.	10.4	301
9	One-dimensional II-VI nanostructures: Synthesis, properties and optoelectronic applications. Nano Today, 2010, 5, 313-336.	11.9	293
10	Vertically Aligned Boron Nitride Nanosheets: Chemical Vapor Synthesis, Ultraviolet Light Emission, and Superhydrophobicity. ACS Nano, 2010, 4, 414-422.	14.6	291
11	Oxygen-Incorporated NiMoP Nanotube Arrays as Efficient Bifunctional Electrocatalysts For Urea-Assisted Energy-Saving Hydrogen Production in Alkaline Electrolyte. Advanced Functional Materials, 2021, 31, 2104951.	14.9	247
12	Two-photon-excited near-infrared emissive carbon dots as multifunctional agents for fluorescence imaging and photothermal therapy. Nano Research, 2017, 10, 3113-3123.	10.4	246
13	An Aqueous Zn-Ion Hybrid Supercapacitor with High Energy Density and Ultrastability up to 80 000 Cycles. Advanced Energy Materials, 2019, 9, 1902915.	19.5	244
14	Iron Vacancies Induced Bifunctionality in Ultrathin Ferroxhyte Nanosheets for Overall Water Splitting. Advanced Materials, 2018, 30, e1803144.	21.0	225
15	Strong Capillarity, Chemisorption, and Electrocatalytic Capability of Crisscrossed Nanostraws Enabled Flexible, High-Rate, and Long-Cycling Lithium-Sulfur Batteries. ACS Nano, 2018, 12, 4868-4876.	14.6	222
16	Lithiophilic Cu-Cu ₂ O-Ni Hybrid Structure: Advanced Current Collectors Toward Stable Lithium Metal Anodes. Advanced Materials, 2018, 30, 1705830.	21.0	217
17	Hierarchical Composite Electrodes of Nickel Oxide Nanoflake 3D Graphene for High-Performance Pseudocapacitors. Advanced Functional Materials, 2014, 24, 6372-6380.	14.9	210
18	Ultralarge elastic deformation of nanoscale diamond. Science, 2018, 360, 300-302.	12.6	208

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19	Porous-Shell Vanadium Nitride Nanobubbles with Ultrahigh Areal Sulfur Loading for High-Capacity and Long-Life Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2017, 17, 7839-7846.	9.1	206
20	Hierarchical composite structure of few-layers MoS ₂ nanosheets supported by vertical graphene on carbon cloth for high-performance hydrogen evolution reaction. <i>Nano Energy</i> , 2015, 18, 196-204.	16.0	191
21	Biocompatible A Semiconducting Polymer Nanoparticle with Light-Harvesting Unit for Highly Effective Photoacoustic Imaging Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1605094.	14.9	188
22	Arrays of ZnO/ZnCdSe Nanocables: Band Gap Engineering and Photovoltaic Applications. <i>Nano Letters</i> , 2011, 11, 4138-4143.	9.1	185
23	High Detectivity Solar-Blind High-Temperature Deep-Ultraviolet Photodetector Based on Multi-Layered (100) Facet-Oriented I ² Ga ₂ O ₃ Nanobelts. <i>Small</i> , 2014, 10, 1848-1856.	10.0	185
24	Surface-Dominated Transport Properties of Silicon Nanowires. <i>Advanced Functional Materials</i> , 2008, 18, 3251-3257.	14.9	180
25	Unconventional Nickel Nitride Enriched with Nitrogen Vacancies as a High-Efficiency Electrocatalyst for Hydrogen Evolution. <i>Advanced Science</i> , 2018, 5, 1800406.	11.2	163
26	Three-dimensional-networked NiCo ₂ S ₄ nanosheet array/carbon cloth anodes for high-performance lithium-ion batteries. <i>NPG Asia Materials</i> , 2015, 7, e195-e195.	7.9	158
27	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> , 2016, 4, 3697-3703.	10.3	153
28	Graphene-Nanowall-Decorated Carbon Felt with Excellent Electrochemical Activity Toward VO ₂ ⁺ /VO ₂ ²⁺ Couple for All Vanadium Redox Flow Battery. <i>Advanced Science</i> , 2016, 3, 1500276.	11.2	152
29	Surface Engineering of ZnO Nanostructures for Semiconductor-Sensitized Solar Cells. <i>Advanced Materials</i> , 2014, 26, 5337-5367.	21.0	149
30	Photothermal Theragnosis Synergistic Therapy Based on Bimetal Sulphide Nanocrystals Rather Than Nanocomposites. <i>Advanced Materials</i> , 2015, 27, 1339-1345.	21.0	149
31	Self-Monitoring and Self-Delivery of Photosensitizer-Doped Nanoparticles for Highly Effective Combination Cancer Therapy <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2015, 9, 9741-9756.	14.6	149
32	Light-emitting diodes enhanced by localized surface plasmon resonance. <i>Nanoscale Research Letters</i> , 2011, 6, 199.	5.7	147
33	Carbon Nanoparticle-based Ratiometric Fluorescent Sensor for Detecting Mercury Ions in Aqueous Media and Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21270-21278.	8.0	144
34	Three-dimensional Sn-graphene anode for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2013, 5, 10599.	5.6	141
35	Germanium-graphene composite anode for high-energy lithium batteries with long cycle life. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1821-1826.	10.3	138
36	Highly Efficient Electrochemical Reduction of Nitrogen to Ammonia on Surface Termination Modified Ti ₃ C ₂ T _x MXene Nanosheets. <i>ACS Nano</i> , 2020, 14, 9089-9097.	14.6	137

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37	rGO/SnS ₂ /TiO ₂ heterostructured composite with dual-confinement for enhanced lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25056-25063.	10.3	136
38	Copper substituted P2-type Na _{0.67} Cu _x Mn _{1-x} O ₂ : a stable high-power sodium-ion battery cathode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22846-22852.	10.3	135
39	Iron(II) molybdate (FeMoO ₄) nanorods as a high-performance anode for lithium ion batteries: structural and chemical evolution upon cycling. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20527-20534.	10.3	135
40	Core-Shell Si/C Nanospheres Embedded in Bubble Sheet-Like Carbon Film with Enhanced Performance as Lithium Ion Battery Anodes. <i>Small</i> , 2015, 11, 1345-1351.	10.0	131
41	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> , 2000, 39, L442-L444.	1.5	130
42	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> , 2016, 26, 8478-8486.	14.9	129
43	Vertically Aligned Graphene Nanosheet Arrays: Synthesis, Properties and Applications in Electrochemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1700678.	19.5	126
44	Surface passivation and band engineering: a way toward high efficiency graphene-planar Si solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8567.	10.3	123
45	High-efficiency graphene/Si nanoarray Schottky junction solar cells via surface modification and graphene doping. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6593.	10.3	122
46	Copolythiophene-Derived Colorimetric and Fluorometric Sensor for Visually Supersensitive Determination of Lipopolysaccharide. <i>Journal of the American Chemical Society</i> , 2012, 134, 6685-6694.	13.7	115
47	Bactericidal activity of biomimetic diamond nanocone surfaces. <i>Biointerphases</i> , 2016, 11, 011014.	1.6	115
48	In situ nitrogen-doped graphene grown from polydimethylsiloxane by plasma enhanced chemical vapor deposition. <i>Nanoscale</i> , 2013, 5, 600-605.	5.6	114
49	Sulfur-deficient MoS ₂ grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12068-12074.	10.3	112
50	Layer-stacked cobalt ferrite (CoFe ₂ O ₄) mesoporous platelets for high-performance lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6990-6997.	10.3	111
51	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> , 2018, 6, 20254-20266.	10.3	110
52	Diamond nanostructures for drug delivery, bioimaging, and biosensing. <i>Chemical Society Reviews</i> , 2017, 46, 734-760.	38.1	109
53	Oxygen-deficient titanium dioxide as a functional host for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10346-10353.	10.3	109
54	Photoconductivity of a Single Small-Molecule Organic Nanowire. <i>Advanced Materials</i> , 2008, 20, 2427-2432.	21.0	108

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55	Layered double hydroxide nanostructures and nanocomposites for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5583-5601.	5.8	108
56	Poking cells for efficient vector-free intracellular delivery. <i>Nature Communications</i> , 2014, 5, 4466.	12.8	104
57	In Situ Carbon-Doped Mo($\text{Se}_{0.85}\text{S}_{0.15}$) ₂ Hierarchical Nanotubes as Stable Anodes for High-Performance Sodium-Ion Batteries. <i>Small</i> , 2015, 11, 5667-5674.	10.0	101
58	Visible-NIR photodetectors based on CdTe nanoribbons. <i>Nanoscale</i> , 2012, 4, 2914.	5.6	99
59	MoS ₂ nanobelts with (002) plane edges-enriched flat surfaces for high-rate sodium and lithium storage. <i>Energy Storage Materials</i> , 2018, 15, 65-74.	18.0	96
60	Graphitic carbon nitride solid nanofilms for selective and recyclable sensing of Cu ²⁺ and Ag ⁺ in water and serum. <i>Chemical Communications</i> , 2014, 50, 15415-15418.	4.1	95
61	Nanocapillarity and Nanoconfinement Effects of Pipet-like Bismuth@Carbon Nanotubes for Highly Efficient Electrocatalytic CO ₂ Reduction. <i>Nano Letters</i> , 2021, 21, 2650-2657.	9.1	95
62	A carbon dot-based fluorescence turn-on sensor for hydrogen peroxide with a photo-induced electron transfer mechanism. <i>Chemical Communications</i> , 2015, 51, 15574-15577.	4.1	94
63	Three-dimensional networked NiCo ₂ O ₄ /MnO ₂ branched nanowire heterostructure arrays on nickel foam with enhanced supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1717-1723.	10.3	94
64	Controlled Assembly of Highly Raman-Enhancing Silver Nanocap Arrays Templated by Porous Anodic Alumina Membranes. <i>Small</i> , 2009, 5, 2333-2337.	10.0	92
65	Recent developments of wide-bandgap semiconductor based UV sensors. <i>Diamond and Related Materials</i> , 2009, 18, 860-864.	3.9	92
66	Lysosome-targetable carbon dots for highly efficient photothermal/photodynamic synergistic cancer therapy and photoacoustic/two-photon excited fluorescence imaging. <i>Chemical Engineering Journal</i> , 2020, 388, 124212.	12.7	92
67	Highly efficient microwave absorption properties and broadened absorption bandwidth of MoS ₂ -iron oxide hybrids and MoS ₂ -based reduced graphene oxide hybrids with Hetero-structures. <i>Applied Surface Science</i> , 2018, 462, 872-882.	6.1	90
68	A three-dimensional graphene scaffold supported thin film silicon anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10092.	10.3	88
69	Surface-Engineered Black Niobium Oxide@Graphene Nanosheets for High-Performance Sodium/Potassium-Ion Full Batteries. <i>Small</i> , 2019, 15, e1901272.	10.0	88
70	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> , 2018, 18, 7949-7954.	9.1	85
71	Vertical nanostructure arrays by plasma etching for applications in biology, energy, and electronics. <i>Nano Today</i> , 2013, 8, 265-289.	11.9	84
72	Silicon nanowire sensors for Hg ²⁺ and Cd ²⁺ ions. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	83

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73	Synthesis of Honeycomb-like Mesoporous Pyrite FeS ₂ Microspheres as Efficient Counter Electrode in Quantum Dots Sensitized Solar Cells. <i>Small</i> , 2014, 10, 4754-4759.	10.0	83
74	Fe ₃ S ₄ /C nanocomposites from sugarcane waste-derived microporous carbon for high-performance lithium ion batteries. <i>Green Chemistry</i> , 2016, 18, 3029-3039.	9.0	83
75	Superior Pseudocapacitive Lithium-Ion Storage in Porous Vanadium Oxides@C Heterostructure Composite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43665-43673.	8.0	83
76	A Biocompatible Free Radical Nanogenerator with Real-time Monitoring Capability for High Performance Sequential Hypoxic Tumor Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1903436.	14.9	83
77	Highly sensitive fluorescent probe for thiols based on combination of PET and ESIPT mechanisms. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 332-337.	7.8	82
78	Dendritic Heterojunction Nanowire Arrays for High-Performance Supercapacitors. <i>Scientific Reports</i> , 2015, 5, 7862.	3.3	82
79	Superhydrophobic SERS chip based on a Ag coated natural taro-leaf. <i>Nanoscale</i> , 2016, 8, 11487-11493.	5.6	82
80	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> , 2020, 8, 3450-3458.	10.3	81
81	A recyclable carbon nanoparticle-based fluorescent probe for highly selective and sensitive detection of mercapto biomolecules. <i>Journal of Materials Chemistry B</i> , 2015, 3, 127-134.	5.8	79
82	Heterointerface engineering of trilayer-shelled ultrathin MoS ₂ /MoP/N-doped carbon hollow nanobubbles for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24783-24792.	10.3	79
83	Degradable Hollow Mesoporous Silicon/Carbon Nanoparticles for Photoacoustic Imaging-Guided Highly Effective Chemo-Thermal Tumor Therapy <i>in Vitro</i> and <i>in Vivo</i> . <i>Theranostics</i> , 2017, 7, 3007-3020.	10.0	78
84	Recent progress in organic molecule/graphene interfaces. <i>Nano Today</i> , 2013, 8, 388-402.	11.9	77
85	P2-Type Na _{0.15} Cu _{0.15} Ni _{0.20} Mn _{0.65} O ₂ Cathodes with High Voltage for High-Power and Long-Life Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31661-31668.	8.0	77
86	High-performance microwave absorption materials based on MoS ₂ -graphene isomorphic hetero-structures. <i>Journal of Alloys and Compounds</i> , 2018, 758, 62-71.	5.5	77
87	Carbon Dots as Multifunctional Phototheranostic Agents for Photoacoustic/Fluorescence Imaging and Photothermal/Photodynamic Synergistic Cancer Therapy. <i>Advanced Therapeutics</i> , 2018, 1, 1800077.	3.2	77
88	Visualizing the Initial Step of Self-Assembly and the Phase Transition by Stereogenic Amphiphiles with Aggregation-Induced Emission. <i>ACS Nano</i> , 2019, 13, 839-846.	14.6	77
89	Facile synthesis and electrochemical characterization of porous and dense TiO ₂ nanospheres for lithium-ion battery applications. <i>Journal of Power Sources</i> , 2011, 196, 6394-6399.	7.8	75
90	Light-weight 3D Co-N-doped hollow carbon spheres as efficient electrocatalysts for rechargeable zinc-air batteries. <i>Nanoscale</i> , 2018, 10, 10412-10419.	5.6	73

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91	A silicon nanowireâ€“reduced graphene oxide composite as a high-performance lithium ion battery anode material. <i>Nanoscale</i> , 2014, 6, 3353.	5.6	71
92	Achieving highly efficient pH-universal hydrogen evolution by superhydrophilic amorphous/crystalline Rh(OH)3/NiTe coaxial nanorod array electrode. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121088.	20.2	71
93	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> , 2022, 310, 121352.	20.2	71
94	Template-Directed Bifunctional Dodecahedral CoP/CN@MoS ₂ Electrolyst for High Efficient Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36649-36657.	8.0	70
95	Size Controllable and Surface Tunable Zeolitic Imidazolate Framework-8â€“Poly(acrylic acid sodium) Tj ETQq1 1 0.784314 rgBT /Over ACS Applied Materials & Interfaces, 2017, 9, 32990-33000.	8.0	69
96	Flexible Diamond Fibers for Highâ€“Energyâ€“Density Zincâ€“Ion Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2002202.	19.5	69
97	Advanced Materials and Nanotechnology for Drug Delivery. <i>Advanced Materials</i> , 2014, 26, 5533-5540.	21.0	66
98	Mesoporous Nanosheet Networked Hybrids of Cobalt Oxide and Cobalt Phosphate for Efficient Electrochemical and Photoelectrochemical Oxygen Evolution. <i>Small</i> , 2017, 13, 1701875.	10.0	66
99	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> , 2001, 10, 1868-1874.	3.9	65
100	CdS/CdSe Double-Sensitized ZnO Nanocable Arrays Synthesized by Chemical Solution Method and Their Photovoltaic Applications. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2656-2661.	3.1	65
101	Influence of Ti content on the structure and tribological properties of Ti-DLC coatings in water lubrication. <i>Diamond and Related Materials</i> , 2012, 25, 163-175.	3.9	64
102	Engineering the coordination environment enables molybdenum single-atom catalyst for efficient oxygen reduction reaction. <i>Journal of Catalysis</i> , 2020, 389, 150-156.	6.2	64
103	Recent Advances in Cubic Boron Nitride Deposition. <i>MRS Bulletin</i> , 2003, 28, 184-188.	3.5	63
104	<i>In situ</i> nitridated porous nanosheet networked Co ₃ O ₄ â€“Co ₄ N heteronanostructures supported on hydrophilic carbon cloth for highly efficient electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 775-782.	10.3	63
105	Facile solution growth of vertically aligned ZnO nanorods sensitized with aqueous CdS and CdSe quantum dots for photovoltaic applications. <i>Nanoscale Research Letters</i> , 2011, 6, 340.	5.7	61
106	Microstructure and water-lubricated friction and wear properties of CrN(C) coatings with different carbon contents. <i>Applied Surface Science</i> , 2013, 268, 579-587.	6.1	61
107	<i>In situ</i> formation of NaTi ₂ (PO ₄) ₃ cubes on Ti ₃ C ₂ MXene for dual-mode sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18525-18532.	10.3	60
108	Low-cost porous Cu ₂ ZnSnSe ₄ film remarkably superior to noble Pt as counter electrode in quantum dot-sensitized solar cell system. <i>Journal of Power Sources</i> , 2013, 226, 359-362.	7.8	57

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109	Graphene encapsulated and SiC reinforced silicon nanowires as an anode material for lithium ion batteries. <i>Nanoscale</i> , 2013, 5, 8689.	5.6	56
110	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 & Interfaces</i> , 2016, 8, 11355-11365.	8.0	56
111	Electrochemical Energy Storage Application and Degradation Analysis of Carbon-Coated Hierarchical NiCo ₂ S ₄ Core-Shell Nanowire Arrays Grown Directly on Graphene/Nickel Foam. <i>Scientific Reports</i> , 2016, 6, 20264.	3.3	56
112	Biodegradable Natural Product-Based Nanoparticles for Near-Infrared Fluorescence Imaging-Guided Sonodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18178-18185.	8.0	55
113	Surface plasmon resonance enhanced direct Z-scheme TiO ₂ /ZnTe/Au nanocorn-cob heterojunctions for efficient photocatalytic overall water splitting. <i>Nanoscale</i> , 2019, 11, 9053-9060.	5.6	55
114	Nanostructured and Boron-Doped Diamond as an Electrocatalyst for Nitrogen Fixation. <i>ACS Energy Letters</i> , 2020, 5, 2590-2596.	17.4	55
115	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> , 2010, 146, 260-265.	7.8	54
116	Spray deposition of water-soluble multiwall carbon nanotube and Cu ₂ ZnSnSe ₄ nanoparticle composites as highly efficient counter electrodes in a quantum dot-sensitized solar cell system. <i>Nanoscale</i> , 2013, 5, 6992.	5.6	54
117	Near-Infrared Light-Triggered Lysosome-Targetable Carbon Dots for Photothermal Therapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53610-53617.	8.0	54
118	Hot spots in highly Raman-enhancing silver nano-dendrites. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 175403.	2.8	53
119	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> , 2020, 8, 8440-8446.	10.3	52
120	Metal organic frameworks for antibacterial applications. <i>Chemical Engineering Journal</i> , 2022, 435, 134975.	12.7	52
121	The roles of hydrogen and fluorine in the deposition of cubic boron nitride films in the Ar–N ₂ –BF ₃ –H ₂ system. <i>Chemical Physics Letters</i> , 2000, 330, 243-248.	2.6	51
122	A novel fluorogenic hybrid material for selective sensing of thiophenols. <i>Journal of Materials Chemistry</i> , 2011, 21, 13561.	6.7	51
123	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> , 2018, 6, 20076-20082.	10.3	51
124	Pyrene-derivatized highly fluorescent carbon dots for the sensitive and selective determination of ferric ions and dopamine. <i>Dyes and Pigments</i> , 2019, 170, 107574.	3.7	51
125	Facile synthesis of laminate-structured graphene sheet–Fe ₃ O ₄ nanocomposites with superior high reversible specific capacity and cyclic stability for lithium-ion batteries. <i>RSC Advances</i> , 2012, 2, 10680.	3.6	50
126	Nitrogen-Doped Graphene-Encapsulated Nickel–Copper Alloy Nanoflower for Highly Efficient Electrochemical Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1901545.	10.0	50

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127	Highly stable organic fluorescent nanorods for living-cell imaging. <i>Nano Research</i> , 2015, 8, 2380-2389.	10.4	49
128	Water-Soluble Polythiophene for Two-Photon Excitation Fluorescence Imaging and Photodynamic Therapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14590-14595.	8.0	49
129	Nanoparticles Encapsulated in Porous Carbon Matrix Coated on Carbon Fibers: An Ultrastable Cathode for Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1601363.	19.5	48
130	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> , 2000, 71, 469-472.	2.3	47
131	Electronic structure of MoO ₃ /graphene interface. <i>Carbon</i> , 2013, 65, 46-52.	10.3	47
132	Optically tunable fluorescent carbon nanoparticles and their application in fluorometric sensing of copper ions. <i>Nano Research</i> , 2019, 12, 2576-2583.	10.4	47
133	Phase Conversion from Hexagonal Cu ₂ S to Cubic Cu ₂ S: Composition Variation, Morphology Evolution, Optical Tuning, and Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16352-16359.	8.0	46
134	Cubic boron nitride films for industrial applications. <i>Diamond and Related Materials</i> , 2005, 14, 1784-1790.	3.9	45
135	Violet-blue LEDs based on p-GaN/n-ZnO nanorods and their stability. <i>Nanotechnology</i> , 2011, 22, 245202.	2.6	43
136	Plasmonic nanopillar array embedded microfluidic chips: an in situ SERS monitoring platform. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6408-6413.	10.3	43
137	A Novel Type of Aqueous Dispersible Ultrathin-Layered Double Hydroxide Nanosheets for in Vivo Bioimaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34185-34193.	8.0	42
138	Heteroepitaxial nucleation of diamond on Si(100) via double bias-assisted hot filament chemical vapor deposition. <i>Diamond and Related Materials</i> , 2000, 9, 134-139.	3.9	41
139	Deposition of thick cubic boron nitride films: The route to practical applications. <i>Diamond and Related Materials</i> , 2005, 14, 1154-1162.	3.9	41
140	van der Waals Epitaxial Growth and Interfacial Passivation of Two-Dimensional Single-Crystalline Few-Layer Gray Arsenic Nanoflakes. <i>Chemistry of Materials</i> , 2019, 31, 4524-4535.	6.7	41
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