

Junqing Hu

List of Publications by Year in descending order

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187
papers

13,252
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20759

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophilic Cu ₉ S ₅ Nanocrystals: A Photothermal Agent with a 25.7% Heat Conversion Efficiency for Photothermal Ablation of Cancer Cells <i>in Vivo</i> . ACS Nano, 2011, 5, 9761-9771.	7.3	1,155
2	Hydrophilic Flower-Like CuS Superstructures as an Efficient 980 nm Laser-Driven Photothermal Agent for Ablation of Cancer Cells. Advanced Materials, 2011, 23, 3542-3547.	11.1	760
3	Sub-10 nm Fe ₃ O ₄ @Cu ₂ S Core-Shell Nanoparticles for Dual-Modal Imaging and Photothermal Therapy. Journal of the American Chemical Society, 2013, 135, 8571-8577.	6.6	581
4	Ultrathin PEGylated W ₁₈ O ₄₉ Nanowires as a New 980 nm Laser-Driven Photothermal Agent for Efficient Ablation of Cancer Cells <i>In Vivo</i> . Advanced Materials, 2013, 25, 2095-2100.	11.1	370
5	Hierarchical mesoporous NiCo ₂ O ₄ @MnO ₂ core-shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. Journal of Materials Chemistry A, 2014, 2, 4795.	5.2	355
6	Design and Functionalization of the NIR-Responsive Photothermal Semiconductor Nanomaterials for Cancer Theranostics. Accounts of Chemical Research, 2017, 50, 2529-2538.	7.6	312
7	Degradable Molybdenum Oxide Nanosheets with Rapid Clearance and Efficient Tumor Homing Capabilities as a Therapeutic Nanoplatform. Angewandte Chemie - International Edition, 2016, 55, 2122-2126.	7.2	254
8	Chain-like NiCo ₂ O ₄ nanowires with different exposed reactive planes for high-performance supercapacitors. Journal of Materials Chemistry A, 2013, 1, 8560.	5.2	250
9	Cu _{7.2} Sn ₄ nanocrystals: a novel photothermal agent with a 56.7% photothermal conversion efficiency for photothermal therapy of cancer cells. Nanoscale, 2014, 6, 3274.	2.8	239
10	Facile synthesis of biocompatible cysteine-coated CuS nanoparticles with high photothermal conversion efficiency for cancer therapy. Dalton Transactions, 2014, 43, 11709.	1.6	213
11	A Low-Toxic Multifunctional Nanoplatform Based on Cu ₉ S ₅ @mSiO ₂ Core-Shell Nanocomposites: Combining Photothermal and Chemotherapies with Infrared Thermal Imaging for Cancer Treatment. Advanced Functional Materials, 2013, 23, 4281-4292.	7.8	207
12	Highly aligned SnO ₂ nanorods on graphene sheets for gas sensors. Journal of Materials Chemistry, 2011, 21, 17360.	6.7	199
13	ZnO nanorods on reduced graphene sheets with excellent field emission, gas sensor and photocatalytic properties. Journal of Materials Chemistry A, 2013, 1, 8445.	5.2	193
14	High Detectivity Solar-Blind High-Temperature Deep-Ultraviolet Photodetector Based on Multi-Layered (110) Facet-Oriented Ga ₂ O ₃ Nanobelts. Small, 2014, 10, 1848-1856.	5.2	185
15	Design and synthesis of 3D interconnected mesoporous NiCo ₂ O ₄ @Co _x Ni _{1-x} (OH) ₂ core-shell nanosheet arrays with large areal capacitance and high rate performance for supercapacitors. Journal of Materials Chemistry A, 2014, 2, 10090.	5.2	174
16	One pot synthesis of nickel foam supported self-assembly of NiWO ₄ and CoWO ₄ nanostructures that act as high performance electrochemical capacitor electrodes. Journal of Materials Chemistry A, 2015, 3, 14272-14278.	5.2	167
17	Hydrophilic Molybdenum Oxide Nanomaterials with Controlled Morphology and Strong Plasmonic Absorption for Photothermal Ablation of Cancer Cells. ACS Applied Materials & Interfaces, 2014, 6, 3915-3922.	4.0	166
18	Synthesis of hollow NiCo ₂ O ₄ nanospheres with large specific surface area for asymmetric supercapacitors. Journal of Colloid and Interface Science, 2018, 511, 456-462.	5.0	163

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19	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.	3.8	158
20	Photothermal Theragnosis Synergistic Therapy Based on Bimetal Sulphide Nanocrystals Rather Than Nanocomposites. <i>Advanced Materials</i> , 2015, 27, 1339-1345.	11.1	149
21	Mechanism analysis of the capacitance contributions and ultralong cycling-stability of the isomorphous MnO ₂ @MnO ₂ core/shell nanostructures for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6168-6176.	5.2	138
22	A Dendritic Nickel Cobalt Sulfide Nanostructure for Alkaline Battery Electrodes. <i>Advanced Functional Materials</i> , 2018, 28, 1705937.	7.8	138
23	Solar-Inspired Water Purification Based on Emerging 2D Materials: Status and Challenges. <i>Solar Rrl</i> , 2020, 4, 1900400.	3.1	133
24	Facile synthesis of porous MnCo ₂ O _{4.5} hierarchical architectures for high-rate supercapacitors. <i>CrystEngComm</i> , 2014, 16, 2335-2339.	1.3	131
25	Hydrophilic Cu ₂ ZnSnS ₄ nanocrystals for printing flexible, low-cost and environmentally friendly solar cells. <i>CrystEngComm</i> , 2012, 14, 3847.	1.3	125
26	Gold nanorods as a theranostic platform for in vitro and in vivo imaging and photothermal therapy of inflammatory macrophages. <i>Nanoscale</i> , 2015, 7, 13991-14001.	2.8	125
27	Epitaxial Heterostructures: Side-to-Side ZnS, ZnSe Biaxial Nanowires, and Sandwichlike ZnS/ZnSe Triaxial Nanowires. <i>Journal of the American Chemical Society</i> , 2003, 125, 11306-11313.	6.6	124
28	Tumor environment responsive degradable CuS@mSiO ₂ @MnO ₂ /DOX for MRI guided synergistic chemo-photothermal therapy and chemodynamic therapy. <i>Chemical Engineering Journal</i> , 2020, 389, 124450.	6.6	124
29	MnMoO ₄ ·4H ₂ O nanoplates grown on a Ni foam substrate for excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20723-20728.	5.2	111
30	Effect of temperature on the performance of ultrafine MnO ₂ nanobelt supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1443-1447.	5.2	108
31	MnO ₂ ultralong nanowires with better electrical conductivity and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , 2012, 22, 14864.	6.7	101
32	Self-assembling hybrid NiO/Co ₃ O ₄ ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9107.	5.2	101
33	Heterostructures of CuS nanoparticle/ZnO nanorod arrays on carbon fibers with improved visible and solar light photocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7304-7313.	5.2	95
34	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.	5.2	94
35	Gallium Nitride Nanotubes by the Conversion of Gallium Oxide Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3493-3497.	7.2	93
36	Hierarchical hollow MnO ₂ nanofibers with enhanced supercapacitor performance. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 448-454.	5.0	93

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37	Phase-controlled synthesis and gas-sensing properties of zinc stannate (ZnSnO ₃ and Zn ₂ SnO ₄) faceted solid and hollow microcrystals. <i>CrystEngComm</i> , 2012, 14, 2172.	1.3	89
38	Folic acid-conjugated hollow mesoporous silica/CuS nanocomposites as a difunctional nanoplatform for targeted chemo-photothermal therapy of cancer cells. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5358.	2.9	88
39	Bioinspired, Microstructured Silk Fibroin Adhesives for Flexible Skin Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5601-5609.	4.0	83
40	Dendritic Heterojunction Nanowire Arrays for High-Performance Supercapacitors. <i>Scientific Reports</i> , 2015, 5, 7862.	1.6	82
41	In situ construction of heterostructured bimetallic sulfide/phosphide with rich interfaces for high-performance aqueous Zn-ion batteries. <i>Science China Materials</i> , 2022, 65, 356-363.	3.5	82
42	CuS@mSiO ₂ -PEG core-shell nanoparticles as a NIR light responsive drug delivery nanoplatform for efficient chemo-photothermal therapy. <i>Dalton Transactions</i> , 2015, 44, 10343-10351.	1.6	80
43	Hydrophilic bismuth sulfur nanoflower superstructures with an improved photothermal efficiency for ablation of cancer cells. <i>Nano Research</i> , 2016, 9, 1934-1947.	5.8	80
44	Sn-Catalyzed Thermal Evaporation Synthesis of Tetrapod-Branched ZnSe Nanorod Architectures. <i>Small</i> , 2004, 1, 95-99.	5.2	79
45	Sn-Filled Single-Crystalline Wurtzite-Type ZnS Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4606-4609.	7.2	78
46	Cu ₂ Se@mSiO ₂ -PEG core-shell nanoparticles: a low-toxic and efficient difunctional nanoplatform for chemo-photothermal therapy under near infrared light radiation with a safe power density. <i>Nanoscale</i> , 2014, 6, 4361-4370.	2.8	77
47	Enhanced adsorption capacity of ultralong hydrogen titanate nanobelts for antibiotics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4352-4358.	5.2	76
48	Surface decoration of Bi ₂ WO ₆ superstructures with Bi ₂ O ₃ nanoparticles: an efficient method to improve visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 9011.	1.3	75
49	A new strategy to effectively alleviate volume expansion and enhance the conductivity of hierarchical MnO@C nanocomposites for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21699-21708.	5.2	74
50	Self-assembled WO ₃ hierarchical nanostructures for photothermal therapy with a 915 nm laser rather than the common 980 nm laser. <i>Dalton Transactions</i> , 2014, 43, 6244.	1.6	71
51	A self-powered broadband photodetector based on an n-Si(111)/p-NiO heterojunction with high photosensitivity and enhanced external quantum efficiency. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12520-12528.	2.7	71
52	Macrophages-Mediated Delivery of Small Gold Nanorods for Tumor Hypoxia Photoacoustic Imaging and Enhanced Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15251-15261.	4.0	71
53	Oxygen vacancies-rich cobalt-doped NiMoO ₄ nanosheets for high energy density and stable aqueous Ni-Zn battery. <i>Science China Materials</i> , 2020, 63, 1205-1215.	3.5	71
54	Understanding the effect of polypyrrole and poly(3,4-ethylenedioxythiophene) on enhancing the supercapacitor performance of NiCo ₂ O ₄ electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16731-16739.	5.2	70

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55	Sponge-like NiCo ₂ O ₄ /MnO ₂ ultrathin nanoflakes for supercapacitor with high-rate performance and ultra-long cycle life. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7738-7741.	5.2	69
56	Transformed Fe ₃ S ₄ tetragonal nanosheets: a high-efficiency and body-clearable agent for magnetic resonance imaging guided photothermal and chemodynamic synergistic therapy. <i>Nanoscale</i> , 2018, 10, 17902-17911.	2.8	69
57	Ni(OH) ₂ /CoO/reduced graphene oxide composites with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 478-481.	5.2	68
58	Carbon Nanotubes as Nanoreactors for Fabrication of Single-Crystalline Mg ₃ N ₂ Nanowires. <i>Nano Letters</i> , 2006, 6, 1136-1140.	4.5	67
59	A General Approach for the Growth of Metal Oxide Nanorod Arrays on Graphene Sheets and Their Applications. <i>Chemistry - A European Journal</i> , 2011, 17, 13912-13917.	1.7	66
60	Recent Progress of Methods to Enhance Photovoltaic Effect for Self-Powered Heterojunction Photodetectors and Their Applications in Inorganic Low-Dimensional Structures. <i>Advanced Functional Materials</i> , 2021, 31, 2011284.	7.8	66
61	An Interface Engineered Multicolor Photodetector Based on n-Si(111)/TiO ₂ Nanorod Array Heterojunction. <i>Advanced Functional Materials</i> , 2016, 26, 1400-1410.	7.8	64
62	One-pot synthesis of large-scaled Janus Ag ⁺ Ag ₂ S nanoparticles and their photocatalytic properties. <i>CrystEngComm</i> , 2011, 13, 7189.	1.3	62
63	Enhanced UV-visible light photodetectors with a TiO ₂ /Si heterojunction using band engineering. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12848-12856.	2.7	61
64	Novel semiconducting nanowire heterostructures: synthesis, properties and applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 330-343.	6.7	59
65	Combined bortezomib-based chemotherapy and p53 gene therapy using hollow mesoporous silica nanospheres for p53 mutant non-small cell lung cancer treatment. <i>Biomaterials Science</i> , 2017, 5, 77-88.	2.6	59
66	Design and synthesis of 3D hierarchical NiCo ₂ S ₄ @MnO ₂ core-shell nanosheet arrays for high-performance pseudocapacitors. <i>RSC Advances</i> , 2015, 5, 44642-44647.	1.7	57
67	Synthesis of hierarchical Co ₃ O ₄ @NiCo ₂ O ₄ core-shell nanosheets as electrode materials for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2017, 700, 247-251.	2.8	57
68	Intracellular Mutual Amplification of Oxidative Stress and Inhibition Multidrug Resistance for Enhanced Sonodynamic/Chemodynamic/Chemo Therapy. <i>Small</i> , 2022, 18, e2107160.	5.2	57
69	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.	1.6	56
70	A Hybrid Electrode of Co ₃ O ₄ @PPy Core/Shell Nanosheet Arrays for High-Performance Supercapacitors. <i>Nano-Micro Letters</i> , 2016, 8, 143-150.	14.4	56
71	Fabrication of Metal-Semiconductor Nanowire Heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2140-2144.	7.2	52
72	Temperature-Dependent Growth of Germanium Oxide and Silicon Oxide Based Nanostructures, Aligned Silicon Oxide Nanowire Assemblies, and Silicon Oxide Microtubes. <i>Small</i> , 2005, 1, 429-438.	5.2	52

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73	Exceptional pseudocapacitive properties of hierarchical NiO ultrafine nanowires grown on mesoporous NiO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12799-12804.	5.2	52
74	Ta ₃ N ₅ -Pt nonwoven cloth with hierarchical nanopores as efficient and easily recyclable macroscale photocatalysts. <i>Scientific Reports</i> , 2014, 4, 3978.	1.6	52
75	Degradable rhenium trioxide nanocubes with high localized surface plasmon resonance absorbance like gold for photothermal theranostics. <i>Biomaterials</i> , 2018, 159, 68-81.	5.7	52
76	A novel and facile synthesis of porous SiO ₂ -coated ultrasmall Se particles as a drug delivery nanoplatform for efficient synergistic treatment of cancer cells. <i>Nanoscale</i> , 2016, 8, 8536-8541.	2.8	50
77	Probing the intermolecular interaction mechanisms between humic acid and different substrates with implications for its adsorption and removal in water treatment. <i>Water Research</i> , 2020, 176, 115766.	5.3	50
78	Surface disorder engineering in ZnCdS for cocatalyst free visible light driven hydrogen production. <i>Nano Research</i> , 2022, 15, 996-1002.	5.8	50
79	One-pot morphology-controlled synthesis of various shaped mesoporous silica nanoparticles. <i>Journal of Materials Science</i> , 2013, 48, 5718-5726.	1.7	49
80	Surface Coating Constraint Induced Anisotropic Swelling of Silicon in Si@Void@SiO _x Nanowire Anode for Lithium-ion Batteries. <i>Small</i> , 2017, 13, 1603754.	5.2	49
81	MnO ₂ Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. <i>ChemElectroChem</i> , 2014, 1, 1003-1008.	1.7	48
82	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.	10.2	48
83	Lightly doped single crystalline porous Si nanowires with improved optical and electrical properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 801-805.	6.7	47
84	CuCo ₂ S ₄ nanocrystals: a new platform for multimodal imaging guided photothermal therapy. <i>Nanoscale</i> , 2017, 9, 2626-2632.	2.8	47
85	CoMoO ₄ ·0.9H ₂ O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. <i>RSC Advances</i> , 2014, 4, 34307.	1.7	46
86	Right Cu ₂ S@MnS Core-Shell Nanoparticles as a Photo/H ₂ O ₂ -Responsive Platform for Effective Cancer Theranostics. <i>Advanced Science</i> , 2019, 6, 1901461.	5.6	45
87	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. <i>New Journal of Chemistry</i> , 2013, 37, 4031.	1.4	44
88	Hydrous RuO ₂ nanoparticles as an efficient NIR-light induced photothermal agent for ablation of cancer cells in vitro and in vivo. <i>Nanoscale</i> , 2015, 7, 11962-11970.	2.8	44
89	Facile synthesis of 3D flower-like porous NiO architectures with an excellent capacitance performance. <i>RSC Advances</i> , 2015, 5, 47506-47510.	1.7	42
90	NaYF ₄ :Yb/Er@PPy core-shell nanoplates: an imaging-guided multimodal platform for photothermal therapy of cancers. <i>Nanoscale</i> , 2016, 8, 1040-1048.	2.8	42

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91	Arbitrary Multicolor Photodetection by Hetero-integrated Semiconductor Nanostructures. Scientific Reports, 2013, 3, 2368.	1.6	41
92	Synthesis and Field-Emission Properties of Ga ₂ O ₃ @C Nanocables. Chemistry of Materials, 2004, 16, 5158-5161.	3.2	40
93	Controllable hydrothermal synthesis, growth mechanism, and properties of ZnO three-dimensional structures. New Journal of Chemistry, 2010, 34, 732.	1.4	39
94	Cobalt nickel nitride coated by a thin carbon layer anchoring on nitrogen-doped carbon nanotube anodes for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 19853-19862.	5.2	38
95	A simple transformation from silica core@shell to yolk@shell nanostructures: a useful platform for effective cell imaging and drug delivery. Journal of Materials Chemistry, 2012, 22, 17011.	6.7	37
96	CuCo ₂ S ₄ nanocrystals as a nanoplatform for photothermal therapy of arterial inflammation. Nanoscale, 2019, 11, 9733-9742.	2.8	37
97	A full-spectrum-absorption from nickel sulphide nanoparticles for efficient NIR-II window photothermal therapy. Nanoscale, 2019, 11, 20161-20170.	2.8	37
98	Highly ordered mesoporous NiCo ₂ O ₄ with superior pseudocapacitance performance for supercapacitors. Journal of Materials Chemistry A, 2015, 3, 11503-11510.	5.2	36
99	Hollow Co ₃ O ₄ @MnO ₂ Cubic Derived From ZIF-67@Mn-ZIF as Electrode Materials for Supercapacitors. Frontiers in Chemistry, 2019, 7, 831.	1.8	35
100	Biodegradable hollow manganese/cobalt oxide nanoparticles for tumor theranostics. Nanoscale, 2019, 11, 23021-23026.	2.8	35
101	Unconventional Ribbon-Shaped β -Ga ₂ O ₃ Tubes with Mobile Sn Nanowire Fillings. ACS Nano, 2008, 2, 107-112.	7.3	34
102	Polypyrrole-encapsulated iron tungstate nanocomposites: a versatile platform for multimodal tumor imaging and photothermal therapy. Nanoscale, 2016, 8, 12917-12928.	2.8	34
103	A Novel Photothermal Nanocrystals of Cu ₇ S ₄ Hollow Structure for Efficient Ablation of Cancer Cells. Nano-Micro Letters, 2014, 6, 169-177.	14.4	33
104	Tumor Microenvironment Responsive Biodegradable Fe-Doped MoO _x Nanowires for Magnetic Resonance Imaging Guided Photothermal-Enhanced Chemodynamic Synergistic Antitumor Therapy. Advanced Healthcare Materials, 2021, 10, e2001665.	3.9	33
105	Morphology-selective synthesis and wettability properties of well-aligned Cu _{2-x} Se nanostructures on a copper substrate. Journal of Materials Chemistry, 2011, 21, 3053.	6.7	32
106	In situ preparation of CuInS ₂ films on a flexible copper foil and their application in thin film solar cells. CrystEngComm, 2012, 14, 1825.	1.3	32
107	Facile synthesis of hydrophilic polypyrrole nanoparticles for photothermal cancer therapy. Journal of Materials Science, 2014, 49, 3484-3490.	1.7	32
108	Hierarchical multicomponent electrode with NiMoO ₄ nanosheets coated on Co ₃ O ₄ nanowire arrays for enhanced electrochemical properties. Journal of Alloys and Compounds, 2019, 781, 1127-1131.	2.8	32

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109	An effective approach to reduce inflammation and stenosis in carotid artery: polypyrrole nanoparticle-based photothermal therapy. <i>Nanoscale</i> , 2015, 7, 7682-7691.	2.8	30
110	Hierarchical core/shell structures of ZnO nanorod@CoMoO ₄ nanoplates used as a high-performance electrode for supercapacitors. <i>RSC Advances</i> , 2016, 6, 3020-3024.	1.7	30
111	Heterostructures of vertical, aligned and dense SnO ₂ nanorods on graphene sheets: in situ TEM measured mechanical, electrical and field emission properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 19196.	6.7	29
112	NiCo ₂ O ₄ Nanostructures as a Promising Alternative for NiO Photocathodes in p-Type Dye-Sensitized Solar Cells with High Efficiency. <i>Energy Technology</i> , 2014, 2, 517-521.	1.8	29
113	Stabilizing Lithium-Sulfur Batteries through Control of Sulfur Aggregation and Polysulfide Dissolution. <i>Small</i> , 2018, 14, e1703816.	5.2	28
114	Porous cobalt sulfide hollow nanospheres with tunable optical property for magnetic resonance imaging-guided photothermal therapy. <i>Nanoscale</i> , 2018, 10, 14190-14200.	2.8	28
115	Magnetic-field-assisted hydrothermal synthesis of 2 Å–2 tunnels of MnO ₂ nanostructures with enhanced supercapacitor performance. <i>CrystEngComm</i> , 2014, 16, 9987-9991.	1.3	27
116	Na _{0.3} WO ₃ nanorods: a multifunctional agent for in vivo dual-modal imaging and photothermal therapy of cancer cells. <i>Dalton Transactions</i> , 2015, 44, 2771-2779.	1.6	27
117	Growth of TiO ₂ nanorod bundles on carbon fibers as flexible and weaveable photocatalyst/photoelectrode. <i>RSC Advances</i> , 2015, 5, 102868-102876.	1.7	27
118	SnS nanosheets for efficient photothermal therapy. <i>New Journal of Chemistry</i> , 2016, 40, 4464-4467.	1.4	27
119	In situ transmission electron microscopy study of individual nanostructures during lithiation and delithiation processes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20072-20094.	5.2	27
120	Prospective important semiconducting nanotubes: synthesis, properties and applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 7592.	6.7	26
121	PEG-mediated solvothermal synthesis of NaYF ₄ :Yb/Er superstructures with efficient upconversion luminescence. <i>Journal of Alloys and Compounds</i> , 2010, 506, L17-L21.	2.8	26
122	Construction of 980 nm laser-driven dye-sensitized photovoltaic cell with excellent performance for powering nanobiodevices implanted under the skin. <i>Journal of Materials Chemistry</i> , 2012, 22, 18156.	6.7	26
123	Synthesis of CuS nanoplate-containing PDMS film with excellent near-infrared shielding properties. <i>RSC Advances</i> , 2016, 6, 18881-18890.	1.7	26
124	Treatment of steroid-induced osteonecrosis of the femoral head using porous Se@SiO ₂ nanocomposites to suppress reactive oxygen species. <i>Scientific Reports</i> , 2017, 7, 43914.	1.6	25
125	Hierarchical assembly of manganese dioxide nanosheets on one-dimensional titanium nitride nanofibers for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 712-718.	5.0	25
126	Recent Research on One-Dimensional Silicon-Based Semiconductor Nanomaterials: Synthesis, Structures, Properties and Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2011, 36, 148-173.	6.8	24

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127	“All-in-One” Theranostic Agent with Seven Functions Based on Bi-Doped Metal Chalcogenide Nanoflowers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45467-45478.	4.0	24
128	Nanofabrication on ZnO nanowires. <i>Applied Physics Letters</i> , 2006, 89, 243111.	1.5	23
129	SnO ₂ nanoribbons: excellent field-emitters. <i>CrystEngComm</i> , 2011, 13, 2289.	1.3	23
130	Melting of Metallic Electrodes and Their Flowing Through a Carbon Nanotube Channel within a Device. <i>Advanced Materials</i> , 2013, 25, 2693-2699.	11.1	23
131	An easy-to-fabricate clearable CuS-superstructure-based multifunctional theranostic platform for efficient imaging guided chemo-photothermal therapy. <i>Nanoscale</i> , 2018, 10, 11430-11440.	2.8	23
132	Reversible formation of networked porous Sb nanoparticles during cycling: Sb nanoparticles encapsulated in a nitrogen-doped carbon matrix with nanorod structures for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24292-24300.	5.2	23
133	New Strategy for Specific Eradication of Implant-Related Infections Based on Special and Selective Degradability of Rhenium Trioxide Nanocubes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25691-25701.	4.0	21
134	UV and visible light synergetic photodegradation using rutile TiO ₂ nanorod arrays based on a p-n Junction. <i>Dalton Transactions</i> , 2017, 46, 4296-4302.	1.6	19
135	A facile method to fabricated UV-Vis photodetectors based on TiO ₂ /Si heterojunction. <i>Applied Surface Science</i> , 2018, 449, 358-362.	3.1	19
136	Tumor microenvironment responsive self-cascade catalysis for synergistic chemo/chemodynamic therapy by multifunctional biomimetic nanozymes. <i>Journal of Materials Chemistry B</i> , 2022, 10, 637-645.	2.9	18
137	Hydrothermal control growth of Zn ₂ GeO ₄ diethylenetriamine 3D dumbbell-like nanobundles. <i>CrystEngComm</i> , 2014, 16, 3222.	1.3	17
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