

Junqing Hu

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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.

185
papers

10,692
citations

54
h-index

98
g-index

188
ext. papers

12,064
ext. citations

8.7
avg, IF

6.29
L-index

#	Paper	IF	Citations
185	Hydrophilic Cu ₉ S ₅ nanocrystals: a photothermal agent with a 25.7% heat conversion efficiency for photothermal ablation of cancer cells in vivo. <i>ACS Nano</i> , 2011 , 5, 9761-71	16.7	940
184	Hydrophilic flower-like CuS superstructures as an efficient 980 nm laser-driven photothermal agent for ablation of cancer cells. <i>Advanced Materials</i> , 2011 , 23, 3542-7	24	654
183	Sub-10 nm Fe ₃ O ₄ @Cu(2-x)S core-shell nanoparticles for dual-modal imaging and photothermal therapy. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8571-7	16.4	510
182	Ultrathin PEGylated W ₁₈ O ₄₉ nanowires as a new 980 nm-laser-driven photothermal agent for efficient ablation of cancer cells in vivo. <i>Advanced Materials</i> , 2013 , 25, 2095-100	24	325
181	Hierarchical mesoporous NiCo ₂ O ₄ @MnO ₂ core-shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4795	13	315
180	Design and Functionalization of the NIR-Responsive Photothermal Semiconductor Nanomaterials for Cancer Theranostics. <i>Accounts of Chemical Research</i> , 2017 , 50, 2529-2538	24.3	220
179	Chain-like NiCo ₂ O ₄ nanowires with different exposed reactive planes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8560	13	217
178	Degradable Molybdenum Oxide Nanosheets with Rapid Clearance and Efficient Tumor Homing Capabilities as a Therapeutic Nanoplatfom. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2122-6	16.4	212
177	Cu ₇ Sn ₄ nanocrystals: a novel photothermal agent with a 56.7% photothermal conversion efficiency for photothermal therapy of cancer cells. <i>Nanoscale</i> , 2014 , 6, 3274-82	7.7	198
176	A Low-Toxic Multifunctional Nanoplatfom Based on Cu ₉ S ₅ @mSiO ₂ Core-Shell Nanocomposites: Combining Photothermal- and Chemotherapies with Infrared Thermal Imaging for Cancer Treatment. <i>Advanced Functional Materials</i> , 2013 , 23, 4281-4292	15.6	192
175	Highly aligned SnO ₂ nanorods on graphene sheets for gas sensors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17360		187
174	ZnO nanorods on reduced graphene sheets with excellent field emission, gas sensor and photocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8445	13	181
173	High detectivity solar-blind high-temperature deep-ultraviolet photodetector based on multi-layered (100) facet-oriented GaIn nanobelts. <i>Small</i> , 2014 , 10, 1848-56	11	149
172	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	10.3	147
171	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. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10090	13	146
170	Facile synthesis of biocompatible cysteine-coated CuS nanoparticles with high photothermal conversion efficiency for cancer therapy. <i>Dalton Transactions</i> , 2014 , 43, 11709-15	4.3	142
169	Hydrophilic molybdenum oxide nanomaterials with controlled morphology and strong plasmonic absorption for photothermal ablation of cancer cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3915-22	9.5	141

168	Photothermal theragnosis synergistic therapy based on bimetal sulphide nanocrystals rather than nanocomposites. <i>Advanced Materials</i> , 2015 , 27, 1339-45	24	123
167	One pot synthesis of nickel foam supported self-assembly of NiWO ₄ and CoWO ₄ nanostructures that act as high performance electrochemical capacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14272-14278	13	119
166	Synthesis of hollow NiCoO nanospheres with large specific surface area for asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018 , 511, 456-462	9.3	118
165	Epitaxial heterostructures: side-to-side Si-ZnS, Si-ZnSe biaxial nanowires, and sandwichlike ZnS-Si-ZnS triaxial nanowires. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11306-13	16.4	116
164	Hydrophilic Cu ₂ ZnSnS ₄ nanocrystals for printing flexible, low-cost and environmentally friendly solar cells. <i>CrystEngComm</i> , 2012 , 14, 3847	3.3	114
163	A Dendritic Nickel Cobalt Sulfide Nanostructure for Alkaline Battery Electrodes. <i>Advanced Functional Materials</i> , 2018 , 28, 1705937	15.6	112
162	Facile synthesis of porous MnCo ₂ O _{4.5} hierarchical architectures for high-rate supercapacitors. <i>CrystEngComm</i> , 2014 , 16, 2335-2339	3.3	104
161	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	13	103
160	Effect of temperature on the performance of ultrafine MnO ₂ nanobelt supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1443-1447	13	94
159	MnMoO ₄ ·H ₂ O nanoplates grown on a Ni foam substrate for excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20723-20728	13	94
158	Self-assembling hybrid NiO/Co ₃ O ₄ ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapitance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9107	13	91
157	Gold nanorods as a theranostic platform for in vitro and in vivo imaging and photothermal therapy of inflammatory macrophages. <i>Nanoscale</i> , 2015 , 7, 13991-4001	7.7	88
156	MnO ₂ ultralong nanowires with better electrical conductivity and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14864		87
155	Gallium nitride nanotubes by the conversion of gallium oxide nanotubes. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3493-7	16.4	83
154	Solar-Inspired Water Purification Based on Emerging 2D Materials: Status and Challenges. <i>Solar Rrl</i> , 2020 , 4, 1900400	7.1	81
153	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, 5358-5367	7.3	80
152	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	13	78
151	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	14.7	78

150	Sn-filled single-crystalline wurtzite-type ZnS nanotubes. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4606-9	16.4	77
149	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	13	76
148	Dendritic heterojunction nanowire arrays for high-performance supercapacitors. <i>Scientific Reports</i> , 2015 , 5, 7862	4.9	76
147	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	3.3	76
146	Sn-catalyzed thermal evaporation synthesis of tetrapod-branched ZnSe nanorod architectures. <i>Small</i> , 2005 , 1, 95-9	11	76
145	Hierarchical hollow MnO nanofibers with enhanced supercapacitor performance. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 448-454	9.3	73
144	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, 4361-70	7.7	68
143	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	3.3	67
142	Ni(OH) ₂ /CoO/reduced graphene oxide composites with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 478-481	13	66
141	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, 10343-51	4.3	64
140	Carbon nanotubes as nanoreactors for fabrication of single-crystalline Mg ₃ N ₂ nanowires. <i>Nano Letters</i> , 2006 , 6, 1136-40	11.5	64
139	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, 13912-7	4.8	62
138	Hydrophilic bismuth sulfur nanoflower superstructures with an improved photothermal efficiency for ablation of cancer cells. <i>Nano Research</i> , 2016 , 9, 1934-1947	10	62
137	One-pot synthesis of large-scaled Janus Ag ₂ S nanoparticles and their photocatalytic properties. <i>CrystEngComm</i> , 2011 , 13, 7189	3.3	59
136	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	13.9	58
135	Novel semiconducting nanowire heterostructures: synthesis, properties and applications. <i>Journal of Materials Chemistry</i> , 2009 , 19, 330-343		58
134	Enhanced adsorption capacity of ultralong hydrogen titanate nanobelts for antibiotics. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4352-4358	13	55
133	Self-assembled WO _{3-x} hierarchical nanostructures for photothermal therapy with a 915 nm laser rather than the common 980 nm laser. <i>Dalton Transactions</i> , 2014 , 43, 6244-50	4.3	55

132	"Transformed" FeS 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	7.7	55
131	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	4.9	54
130	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	13	54
129	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	3.7	52
128	Fabrication of metal-semiconductor nanowire heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2140-4	16.4	52
127	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> , 2016 , 5, 77-88	7.4	50
126	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, 429-38	11	50
125	Ta ₃ N ₅ -Pt nonwoven cloth with hierarchical nanopores as efficient and easily recyclable macroscale photocatalysts. <i>Scientific Reports</i> , 2014 , 4, 3978	4.9	49
124	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	7.1	49
123	An Interface Engineered Multicolor Photodetector Based on n-Si(111)/TiO ₂ Nanorod Array Heterojunction. <i>Advanced Functional Materials</i> , 2016 , 26, 1400-1410	15.6	49
122	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	13	47
121	Lightly doped single crystalline porous Si nanowires with improved optical and electrical properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 801-805		46
120	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	5.7	45
119	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	9.5	45
118	Bioinspired, Microstructured Silk Fibroin Adhesives for Flexible Skin Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5601-5609	9.5	44
117	Exceptional pseudocapacitive properties of hierarchical NiO ultrafine nanowires grown on mesoporous NiO nanosheets. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12799-12804	13	44
116	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	7.1	44
115	CoMoO ₄ ·9H ₂ O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. <i>RSC Advances</i> , 2014 , 4, 34307	3.7	43

114	MnO ₂ Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. <i>ChemElectroChem</i> , 2014 , 1, 1003-1008	4.3	43
113	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, 11962-70	7.7	41
112	A Hybrid Electrode of CoO@PPy Core/Shell Nanosheet Arrays for High-Performance Supercapacitors. <i>Nano-Micro Letters</i> , 2016 , 8, 143-150	19.5	40
111	One-pot morphology-controlled synthesis of various shaped mesoporous silica nanoparticles. <i>Journal of Materials Science</i> , 2013 , 48, 5718-5726	4.3	40
110	Synthesis and Field-Emission Properties of Ga ₂ O ₃ Nanocables. <i>Chemistry of Materials</i> , 2004 , 16, 5158-5161	4.6	40
109	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. <i>New Journal of Chemistry</i> , 2013 , 37, 4031	3.6	39
108	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	21.8	39
107	Controllable hydrothermal synthesis, growth mechanism, and properties of ZnO three-dimensional structures. <i>New Journal of Chemistry</i> , 2010 , 34, 732	3.6	39
106	A novel and facile synthesis of porous SiO ₂ -coated ultrasmall Se particles as a drug delivery nanopatform for efficient synergistic treatment of cancer cells. <i>Nanoscale</i> , 2016 , 8, 8536-41	7.7	39
105	Surface Coating Constraint Induced Anisotropic Swelling of Silicon in Si-Void@SiO Nanowire Anode for Lithium-Ion Batteries. <i>Small</i> , 2017 , 13, 1603754	11	38
104	Degradable rhenium trioxide nanocubes with high localized surface plasmon resonance absorbance like gold for photothermal theranostics. <i>Biomaterials</i> , 2018 , 159, 68-81	15.6	38
103	NaYF ₄ :Yb/Er@PPy core-shell nanoplates: an imaging-guided multimodal platform for photothermal therapy of cancers. <i>Nanoscale</i> , 2016 , 8, 1040-8	7.7	37
102	Arbitrary multicolor photodetection by hetero-integrated semiconductor nanostructures. <i>Scientific Reports</i> , 2013 , 3, 2368	4.9	37
101	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	7.1	36
100	Facile synthesis of 3D flower-like porous NiO architectures with an excellent capacitance performance. <i>RSC Advances</i> , 2015 , 5, 47506-47510	3.7	35
99	CuCoS nanocrystals: a new platform for multimodal imaging guided photothermal therapy. <i>Nanoscale</i> , 2017 , 9, 2626-2632	7.7	33
98	A simple transformation from silica core-shell to yolk-shell nanostructures: a useful platform for effective cell imaging and drug delivery. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17011		33
97	Unconventional ribbon-shaped beta-Ga ₂ O ₃ tubes with mobile Sn nanowire fillings. <i>ACS Nano</i> , 2008 , 2, 107-12	16.7	31

96	Right Cu S@MnS Core-Shell Nanoparticles as a Photo/HO-Responsive Platform for Effective Cancer Theranostics. <i>Advanced Science</i> , 2019 , 6, 1901461	13.6	30
95	In situ preparation of CuInS ₂ films on a flexible copper foil and their application in thin film solar cells. <i>CrystEngComm</i> , 2012 , 14, 1825	3.3	30
94	Facile synthesis of hydrophilic polypyrrole nanoparticles for photothermal cancer therapy. <i>Journal of Materials Science</i> , 2014 , 49, 3484-3490	4.3	29
93	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		29
92	Morphology-selective synthesis and wettability properties of well-aligned Cu ₂ -xSe nanostructures on a copper substrate. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3053		29
91	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	3.5	28
90	Highly ordered mesoporous NiCo ₂ O ₄ with superior pseudocapacitance performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11503-11510	13	26
89	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		26
88	Cobalt nickel nitride coated by a thin carbon layer anchoring on nitrogen-doped carbon nanotube anodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19853-19862	13	26
87	Stabilizing Lithium-Sulfur Batteries through Control of Sulfur Aggregation and Polysulfide Dissolution. <i>Small</i> , 2018 , 14, e1703816	11	25
86	Synthesis of CuS nanoplate-containing PDMS film with excellent near-infrared shielding properties. <i>RSC Advances</i> , 2016 , 6, 18881-18890	3.7	25
85	SnS nanosheets for efficient photothermal therapy. <i>New Journal of Chemistry</i> , 2016 , 40, 4464-4467	3.6	24
84	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	3.7	24
83	Magnetic-field-assisted hydrothermal synthesis of 2D tunnels of MnO ₂ nanostructures with enhanced supercapacitor performance. <i>CrystEngComm</i> , 2014 , 16, 9987-9991	3.3	24
82	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	5.7	24
81	Prospective important semiconducting nanotubes: synthesis, properties and applications. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7592		24
80	Hierarchical multicomponent electrode with NiMoO ₄ nanosheets coated on Co ₃ O ₄ nanowire arrays for enhanced electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2019 , 781, 1127-1131	5.7	24
79	Growth of TiO ₂ nanorod bundles on carbon fibers as flexible and weaveable photocatalyst/photoelectrode. <i>RSC Advances</i> , 2015 , 5, 102868-102876	3.7	23

78	A Novel Photothermal Nanocrystals of Cu ₇ S ₄ Hollow Structure for Efficient Ablation of Cancer Cells. <i>Nano-Micro Letters</i> , 2014 , 6, 169-177	19.5	23
77	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	13	23
76	Nanofabrication on ZnO nanowires. <i>Applied Physics Letters</i> , 2006 , 89, 243111	3.4	23
75	Polypyrrole-encapsulated iron tungstate nanocomposites: a versatile platform for multimodal tumor imaging and photothermal therapy. <i>Nanoscale</i> , 2016 , 8, 12917-28	7.7	23
74	In situ construction of heterostructured bimetallic sulfide/phosphide with rich interfaces for high-performance aqueous Zn-ion batteries. <i>Science China Materials</i> , 1	7.1	23
73	CuCoS nanocrystals as a nanoplatform for photothermal therapy of arterial inflammation. <i>Nanoscale</i> , 2019 , 11, 9733-9742	7.7	22
72	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, 2771-9	4.3	22
71	An effective approach to reduce inflammation and stenosis in carotid artery: polypyrrole nanoparticle-based photothermal therapy. <i>Nanoscale</i> , 2015 , 7, 7682-91	7.7	22
70	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	12.5	20
69	SnO ₂ nanoribbons: excellent field-emitters. <i>CrystEngComm</i> , 2011 , 13, 2289	3.3	20
68	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	10.1	20
67	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	15.6	20
66	Porous cobalt sulfide hollow nanospheres with tunable optical property for magnetic resonance imaging-guided photothermal therapy. <i>Nanoscale</i> , 2018 , 10, 14190-14200	7.7	20
65	Biodegradable hollow manganese/cobalt oxide nanoparticles for tumor theranostics. <i>Nanoscale</i> , 2019 , 11, 23021-23026	7.7	19
64	A full-spectrum-absorption from nickel sulphide nanoparticles for efficient NIR-II window photothermal therapy. <i>Nanoscale</i> , 2019 , 11, 20161-20170	7.7	19
63	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	4.9	18
62	Melting of metallic electrodes and their flowing through a carbon nanotube channel within a device. <i>Advanced Materials</i> , 2013 , 25, 2693-9	24	18
61	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	7.7	18

60	Hollow CoO@MnO Cubic Derived From ZIF-67@Mn-ZIF as Electrode Materials for Supercapacitors. <i>Frontiers in Chemistry</i> , 2019 , 7, 831	5	17
59	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	13	16
58	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	9.3	16
57	Hydrothermal control growth of Zn ₂ GeO ₄ @triethylenetriamine 3D dumbbell-like nanobundles. <i>CrystEngComm</i> , 2014 , 16, 3222	3.3	16
56	Large-scale, uniform, single-crystalline Cd(OH) ₂ hexagonal platelets for Cd-based functional applications. <i>CrystEngComm</i> , 2010 , 12, 1726	3.3	15
55	Hydrothermal synthesis, growth mechanism, and properties of three-dimensional micro/nanoscaled hierarchical architecture films of hemimorphite zinc silicate. <i>CrystEngComm</i> , 2011 , 13, 2273	3.3	15
54	UV and visible light synergetic photodegradation using rutile TiO nanorod arrays based on a p-n Junction. <i>Dalton Transactions</i> , 2017 , 46, 4296-4302	4.3	14
53	A controllable hydrothermal synthesis of uniform three-dimensional hierarchical microstructured ZnO films. <i>CrystEngComm</i> , 2011 , 13, 6107	3.3	14
52	"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	9.5	14
51	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	9.5	13
50	New nanowire heterostructures: SnO ₂ nanowires epitaxial growth on Si bicrystalline nanowires. <i>CrystEngComm</i> , 2010 , 12, 89-93	3.3	13
49	Ethanol gas sensor based on a self-supporting hierarchical SnO ₂ nanorods array. <i>CrystEngComm</i> , 2015 , 17, 1800-1804	3.3	12
48	Rapid Fabrication of Nanocrystals through in situ Electron Beam Irradiation in a Transmission Electron Microscope. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5201-5205	3.8	12
47	Rectangular or square, tapered, and single-crystal PbTe nanotubes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3063		12
46	ZnO@Bi side-to-side biaxial nanowire heterostructures with improved luminescence. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7011		12
45	Tumor Microenvironment Responsive Biodegradable Fe-Doped MoO Nanowires for Magnetic Resonance Imaging Guided Photothermal-Enhanced Chemodynamic Synergistic Antitumor Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001665	10.1	12
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