

Rujia Zou

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.

159 papers	9,012 citations	49 h-index	91 g-index
162 ext. papers	10,080 ext. citations	8.7 avg, IF	6 L-index

#	Paper	IF	Citations
159	Tailoring the Void Space Using Nanoreactors on Carbon Fibers to Confine SnS Nanosheets for Ultrastable Lithium/Sodium-Ion Batteries.. <i>Small Methods</i> , 2022 , e2101484	12.8	0
158	Modulating the Electronic Structure of FeCo Nanoparticles in N-Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction.. <i>Advanced Science</i> , 2022 , e2200394	13.6	3
157	Engineering oxygen vacancies and surface chemical reconstruction of MOF-derived hierarchical CoO/NiP-CoP nanosheet arrays for advanced aqueous zinc-ion batteries. <i>Dalton Transactions</i> , 2021 , 50, 17538-17548	4.3	1
156	Enhancing the Electrochemical Performance of Sodium-Ion Batteries by Building Optimized NiS /NiSe Heterostructures. <i>Small</i> , 2021 , 17, e2104186	11	9
155	Enhanced reversible sodium storage by thin carbon layer encapsulated MoS2 nanospheres on interwoven carbon nanotubes. <i>Solid State Ionics</i> , 2021 , 359, 115522	3.3	2
154	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
153	A high performance self-powered heterojunction photodetector based on NiO nanosheets on an n-Si (1 0 0) modified substrate. <i>Materials Letters</i> , 2021 , 285, 128995	3.3	4
152	CoSe particles encapsulated in the inner wall of nitrogen-doped carbon matrix nanotubes with rational interfacial bonds for high-performance lithium-ion batteries. <i>Dalton Transactions</i> , 2021 , 50, 11458-11465	4.3	8
151	Red Phosphorus Anchored on Nitrogen-Doped Carbon Bubble-Carbon Nanotube Network for Highly Stable and Fast-Charging Lithium-Ion Batteries. <i>Small</i> , 2021 , e2105866	11	2
150	AgFeS nanoparticles as a novel photothermal platform for effective artery stenosis therapy. <i>Nanoscale</i> , 2020 , 12, 11288-11296	7.7	7
149	An efficiently enhanced UV-visible light photodetector with a Zn:NiO/p-Si isotype heterojunction. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3498-3508	7.1	9
148	In situ transmission electron microscope studies on one-dimensional nanomaterials: Manipulation, properties and applications. <i>Progress in Materials Science</i> , 2020 , 113, 100674	42.2	6
147	High-efficiency and safe sulfur-doped iron oxides for magnetic resonance imaging-guided photothermal/magnetic hyperthermia therapy. <i>Dalton Transactions</i> , 2020 , 49, 5493-5502	4.3	3
146	A simple method for preparing a TiO2-based back-gate controlled N-channel MSMIGFET UV photodetector. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1781-1787	7.1	3
145	Boosting the interface reaction activity and kinetics of cobalt molybdate by phosphating treatment for aqueous zinc-ion batteries with high energy density and long cycle life. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21044-21052	13	38
144	Graphene-Like Carbon Film Wrapped Tin (II) Sulfide Nanosheet Arrays on Porous Carbon Fibers with Enhanced Electrochemical Kinetics as High-Performance Li and Na Ion Battery Anodes. <i>Advanced Science</i> , 2020 , 7, 1903045	13.6	27
143	Multifunctional NiCoO nanosheet-assembled hollow nanoflowers as a highly efficient sulfur host for lithium-sulfur batteries. <i>Dalton Transactions</i> , 2020 , 49, 6876-6883	4.3	6

142	Enhanced conductivity and structure stability of BiPO ₄ @void@C/CNT particles for high-performance bismuth-based batteries. <i>Dalton Transactions</i> , 2020 , 49, 5636-5645	4.3	4
141	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
140	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
139	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
138	Controllable fabrication and field emission properties of cactus-like Cu ₂ -xSe@Cu ₂ -xSe nanowalls via the vertical secondary growth. <i>Materials Science in Semiconductor Processing</i> , 2019 , 100, 310-318	4.3	3
137	Flower-like FeS/BiS superstructures with improved near-infrared absorption for efficient chemo-photothermal therapy. <i>Dalton Transactions</i> , 2019 , 48, 3360-3368	4.3	9
136	Highly Ordered Mesoporous NiCoO as a High Performance Anode Material for Li-Ion Batteries. <i>Frontiers in Chemistry</i> , 2019 , 7, 521	5	7
135	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	25.701	13
134	Janus Ag/AgS beads as efficient photothermal agents for the eradication of inflammation and artery stenosis. <i>Nanoscale</i> , 2019 , 11, 20324-20332	7.7	11
133	Biodegradable hollow manganese/cobalt oxide nanoparticles for tumor theranostics. <i>Nanoscale</i> , 2019 , 11, 23021-23026	7.7	19
132	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
131	The study of morphology-controlled synthesis and the optical properties of CuSe nanoplates based on the hydrothermal method. <i>Materials Science in Semiconductor Processing</i> , 2018 , 79, 92-98	4.3	21
130	Improving the cycling stability of lithium-sulfur batteries by hollow dual-shell coating.. <i>RSC Advances</i> , 2018 , 8, 9161-9167	3.7	3
129	Stabilizing Lithium-Sulfur Batteries through Control of Sulfur Aggregation and Polysulfide Dissolution. <i>Small</i> , 2018 , 14, e1703816	11	25
128	Hydrophilic K ₂ Mn ₄ O ₈ nanoflowers as a sensitive photothermal theragnosis synergistic platform for the ablation of cancer. <i>New Journal of Chemistry</i> , 2018 , 42, 3714-3721	3.6	6
127	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
126	Facile Synthesis and Characterization of GO/ZnS Nanocomposite with Highly Efficient Photocatalytic Activity. <i>Electronic Materials Letters</i> , 2018 , 14, 739-748	2.9	4
125	A facile method to fabricated UV-vis photodetectors based on TiO ₂ /Si heterojunction. <i>Applied Surface Science</i> , 2018 , 449, 358-362	6.7	11

124	Facile synthesis of graphene nanoribbons from zeolite-templated ultra-small carbon nanotubes for lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21327-21334	13	5
123	"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
122	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
121	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
120	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
119	Preparation, characterization and photocatalytic activity of juglans-like indium oxide (In ₂ O ₃) nanospheres. <i>Materials Letters</i> , 2017 , 192, 76-79	3.3	8
118	CuCoS nanocrystals: a new platform for multimodal imaging guided photothermal therapy. <i>Nanoscale</i> , 2017 , 9, 2626-2632	7.7	33
117	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
116	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
115	Facile synthesis of maguey-like CuCo ₂ O ₄ nanowires with high areal capacitance for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 3503-3510	5.7	56
114	A Targeted Functional Design for Highly Efficient and Stable Cathodes for Rechargeable Li-Ion Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1604903	15.6	19
113	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
112	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
111	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
110	Self-standing electrodes with core-shell structures for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017 , 9, 119-125	19.4	42
109	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
108	One-dimensional nanomaterial-assembled macroscopic membranes for water treatment. <i>Nano Today</i> , 2017 , 17, 79-95	17.9	56
107	S, N-Co-Doped Graphene-Nickel Cobalt Sulfide Aerogel: Improved Energy Storage and Electrocatalytic Performance. <i>Advanced Science</i> , 2017 , 4, 1600214	13.6	169

106	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
105	Synthesis and the field emission performances of SnO ₂ micrograsses. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 1159-1167	2.1	2
104	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
103	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
102	Morphology-controlled synthesis of grass-like GO-CdSe nanocomposites with excellent optical properties and field emission properties. <i>Journal of Solid State Chemistry</i> , 2016 , 234, 63-71	3.3	7
101	SnS nanosheets for efficient photothermal therapy. <i>New Journal of Chemistry</i> , 2016 , 40, 4464-4467	3.6	24
100	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
99	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
98	Hierarchical architectures of Co ₃ O ₄ ultrafine nanowires grown on Co ₃ O ₄ nanowires with fascinating electrochemical performance. <i>New Journal of Chemistry</i> , 2016 , 40, 377-384	3.6	6
97	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
96	Synthesis and photocatalytic properties of different SnO ₂ microspheres on graphene oxide sheets. <i>Applied Surface Science</i> , 2016 , 376, 172-179	6.7	28
95	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
94	Morphology-controlled synthesis of CdSe microspheres on graphene oxide sheets and their photocatalytic properties. <i>Ceramics International</i> , 2016 , 42, 18264-18270	5.1	5
93	Intercalation of Glucose in NiMn-Layered Double Hydroxide Nanosheets: an Effective Path Way towards Battery-type Electrodes with Enhanced Performance. <i>Electrochimica Acta</i> , 2016 , 216, 35-43	6.7	80
92	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	13	91
91	Synthesis of grass-like SnO ₂ nanostructures on graphene oxide and their excellent field emission properties. <i>Materials Letters</i> , 2015 , 158, 322-324	3.3	14
90	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
89	CuS@mSiO ₂ -PEG core-shell nanoparticles as a NIR light responsive drug delivery nanoplatfrom for efficient chemo-photothermal therapy. <i>Dalton Transactions</i> , 2015 , 44, 10343-51	4.3	64

88	Na _{0.3} WO ₃ nanorods: a multifunctional agent for in vivo dual-model imaging and photothermal therapy of cancer cells. <i>Dalton Transactions</i> , 2015 , 44, 2771-9	4.3	22
87	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
86	Nanostructured porous manganese carbonate spheres with capacitive effects on the high lithium storage capability. <i>Nanoscale</i> , 2015 , 7, 10146-51	7.7	48
85	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
84	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
83	Molten Au/Ge alloy migration in Ge nanowires. <i>Nano Letters</i> , 2015 , 15, 2809-16	11.5	11
82	Dandelion-like SnO ₂ microspheres on graphene oxide sheets with excellent photocatalytic properties. <i>Materials Letters</i> , 2015 , 159, 489-492	3.3	9
81	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
80	Nanowires sheathed inside nanotubes: Manipulation, properties and applications. <i>Progress in Materials Science</i> , 2015 , 70, 1-49	42.2	23
79	Comprehending the effect of MMoO ₄ (M = Co, Ni) nanoflakes on improving the electrochemical performance of NiO electrodes. <i>Dalton Transactions</i> , 2015 , 44, 21131-40	4.3	8
78	Dendritic heterojunction nanowire arrays for high-performance supercapacitors. <i>Scientific Reports</i> , 2015 , 5, 7862	4.9	76
77	Ethanol gas sensor based on a self-supporting hierarchical SnO ₂ nanorods array. <i>CrystEngComm</i> , 2015 , 17, 1800-1804	3.3	12
76	Photothermal theragnosis synergistic therapy based on bimetal sulphide nanocrystals rather than nanocomposites. <i>Advanced Materials</i> , 2015 , 27, 1339-45	24	123
75	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
74	Cu ₇ 2S 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
73	Cu ₂ Se@SiO ₂ -PEG core-shell nanoparticles: a low-toxic and efficient difunctional nanoplatfrom for chemo-photothermal therapy under near infrared light radiation with a safe power density. <i>Nanoscale</i> , 2014 , 6, 4361-70	7.7	68
72	MoO ₃ /PANI coaxial heterostructure nanobelts by in situ polymerization for high performance supercapacitors. <i>Nano Energy</i> , 2014 , 7, 72-79	17.1	119
71	Synthesis and characterization of ZnSe rose-like nanoflowers and microspheres by the hydrothermal method. <i>Ceramics International</i> , 2014 , 40, 2847-2852	5.1	17

70	3D core/shell hierarchies of MnOOH ultrathin nanosheets grown on NiO nanosheet arrays for high-performance supercapacitors. <i>Nano Energy</i> , 2014 , 4, 56-64	17.1	76
69	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
68	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
67	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
66	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
65	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
64	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	13	94
63	Hydrothermal control growth of Zn ₂ GeO ₄ ·diethylenetriamine 3D dumbbell-like nanobundles. <i>CrystEngComm</i> , 2014 , 16, 3222	3.3	16
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	NiO/MnO ₂ core/shell nanocomposites for high-performance pseudocapacitors. <i>Materials Letters</i> , 2014 , 114, 40-43	3.3	24
54	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
53	Cactus-like and honeycomb-like zinc selenide microspheres on graphene oxide sheets with excellent optical properties. <i>Journal of Colloid and Interface Science</i> , 2014 , 430, 116-20	9.3	11

52	Cover Picture: MnO ₂ Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors (ChemElectroChem 6/2014. <i>ChemElectroChem</i> , 2014 , 1, 960-960	4.3	2
51	ZnSe-Based Longitudinal Twinning Nanowires. <i>Advanced Engineering Materials</i> , 2014 , 16, 459-465	3.5	10
50	High detectivity solar-blind high-temperature deep-ultraviolet photodetector based on multi-layered (100) facet-oriented BiGaTe_2 nanobelts. <i>Small</i> , 2014 , 10, 1848-56	11	149
49	A facile approach for the synthesis of Cu ₂ S/Se nanowires and their field emission properties. <i>Journal of Materials Science</i> , 2014 , 49, 532-537	4.3	5
48	MnO ₂ Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. <i>ChemElectroChem</i> , 2014 , 1, 1003-1008	4.3	43
47	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
46	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
45	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
44	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
43	Synthesis of unique SnO ₂ /ZnO core-shell nanorods and nanoflowers and their field emission properties. <i>Materials Letters</i> , 2013 , 105, 239-241	3.3	8
42	Hierarchical heterostructures of MnO ₂ nanosheets or nanorods grown on Au-coated Co ₃ O ₄ porous nanowalls for high-performance pseudocapacitance. <i>Nanoscale</i> , 2013 , 5, 2901-8	7.7	102
41	Fabrication of ZnO/CdS/Cu ₂ ZnSnS ₄ p-n heterostructure nanorod arrays via a solution-based route. <i>CrystEngComm</i> , 2013 , 15, 1139-1145	3.3	22
40	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
39	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
38	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
37	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	13	91
36	Arbitrary multicolor photodetection by hetero-integrated semiconductor nanostructures. <i>Scientific Reports</i> , 2013 , 3, 2368	4.9	37
35	High-detectivity nanowire photodetectors governed by bulk photocurrent dynamics with thermally stable carbide contacts. <i>Nanotechnology</i> , 2013 , 24, 495701	3.4	15

34	Nanocomposites: A Low-Toxic Multifunctional Nanoplatfrom Based on Cu ₉ S ₅ @mSiO ₂ Core-Shell Nanocomposites: Combining Photothermal- and Chemotherapies with Infrared Thermal Imaging for Cancer Treatment (Adv. Funct. Mater. 35/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 4280-4280	15.6	7
33	A Low-Toxic Multifunctional Nanoplatfrom 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
32	A method for joining individual graphene sheets. <i>Carbon</i> , 2012 , 50, 4965-4972	10.4	19
31	MnO ₂ ultralong nanowires with better electrical conductivity and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14864		87
30	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
29	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
28	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
27	Large-scaled star-shaped BMnS nanocrystals with novel magnetic properties. <i>Chemical Communications</i> , 2011 , 47, 8100-2	5.8	35
26	Highly aligned SnO ₂ nanorods on graphene sheets for gas sensors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17360		187
25	Lightly doped single crystalline porous Si nanowires with improved optical and electrical properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 801-805		46
24	SnO ₂ nanoribbons: excellent field-emitters. <i>CrystEngComm</i> , 2011 , 13, 2289	3.3	20
23	Uniform ZnSe microspheres self-assembled from ZnSe polyhedron shaped nanocrystals. <i>CrystEngComm</i> , 2011 , 13, 1518-1524	3.3	9
22	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
21	A controllable hydrothermal synthesis of uniform three-dimensional hierarchical microstructured ZnO films. <i>CrystEngComm</i> , 2011 , 13, 6107	3.3	14
20	A Zn ₂ GeO ₄ -ethylenediamine hybrid nanoribbon membrane as a recyclable adsorbent for the highly efficient removal of heavy metals from contaminated water. <i>Chemical Communications</i> , 2011 , 47, 10719-21	5.8	44
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14	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
13	Morphology-selective synthesis and wettability properties of well-aligned Cu_{2-x}Se nanostructures on a copper substrate. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3053		29
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1	Enhanced field emission from printed CNTs by hard hairbrush and electrolytic treatment in NaCl solution. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 41, 315-319	3	3