

Taihong Wang

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343
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31,103
ext. citations

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L-index

#	Paper	IF	Citations
332	Intrinsic peroxidase-like activity of ferromagnetic nanoparticles. <i>Nature Nanotechnology</i> , 2007 , 2, 577-83	8.7	3616
331	Fabrication and ethanol sensing characteristics of ZnO nanowire gas sensors. <i>Applied Physics Letters</i> , 2004 , 84, 3654-3656	3.4	1727
330	Layered SnS ₂ -reduced graphene oxide composite--a high-capacity, high-rate, and long-cycle life sodium-ion battery anode material. <i>Advanced Materials</i> , 2014 , 26, 3854-9	24	679
329	Adsorption and desorption of oxygen probed from ZnO nanowire films by photocurrent measurements. <i>Applied Physics Letters</i> , 2005 , 86, 1231-17	3.4	413
328	Positive potential operation of a cathodic electrogenerated chemiluminescence immunosensor based on luminol and graphene for cancer biomarker detection. <i>Analytical Chemistry</i> , 2011 , 83, 3817-23	7.8	318
327	Oxygen sensing characteristics of individual ZnO nanowire transistors. <i>Applied Physics Letters</i> , 2004 , 85, 6389-6391	3.4	301
326	A novel nonenzymatic hydrogen peroxide sensor based on MnO ₂ /graphene oxide nanocomposite. <i>Talanta</i> , 2010 , 82, 1637-41	6.2	299
325	Low-field electron emission from tetrapod-like ZnO nanostructures synthesized by rapid evaporation. <i>Applied Physics Letters</i> , 2003 , 83, 2253-2255	3.4	276
324	Magnetite/graphene composites: microwave irradiation synthesis and enhanced cycling and rate performances for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5538		270
323	Nanomaterials for electrochemical non-enzymatic glucose biosensors. <i>RSC Advances</i> , 2013 , 3, 3487	3.7	261
322	Sonochemical Synthesis, Optical Properties, and Electrical Properties of Core/Shell-Type ZnO Nanorod/CdS Nanoparticle Composites. <i>Chemistry of Materials</i> , 2005 , 17, 887-892	9.6	255
321	Electronic transport through individual ZnO nanowires. <i>Applied Physics Letters</i> , 2004 , 84, 4556-4558	3.4	255
320	Nanoforest of hierarchical Co ₃ O ₄ @NiCo ₂ O ₄ nanowire arrays for high-performance supercapacitors. <i>Nano Energy</i> , 2013 , 2, 586-594	17.1	254
319	Synthesis and properties of multipod-shaped ZnO nanorods for gas-sensor applications. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 1451-1454	2.6	252
318	Contact-controlled sensing properties of flowerlike ZnO nanostructures. <i>Applied Physics Letters</i> , 2005 , 87, 2131-11	3.4	245
317	Pipe-Wire TiO-Sn@Carbon Nanofibers Paper Anodes for Lithium and Sodium Ion Batteries. <i>Nano Letters</i> , 2017 , 17, 3830-3836	11.5	242
316	One-Step Synthesis of Hierarchical SnO ₂ Hollow Nanostructures via Self-Assembly for High Power Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8084-8088	3.8	242

315	Synthesis and H ₂ S Sensing Properties of CuO@SnO ₂ Core/Shell PN-Junction Nanorods. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12157-12160	3.8	240
314	High performance NiMoO ₄ nanowires supported on carbon cloth as advanced electrodes for symmetric supercapacitors. <i>Nano Energy</i> , 2014 , 8, 174-182	17.1	237
313	Synthesis, self-assembly, disassembly, and reassembly of two types of Cu ₂ O nanocrystals uniaxially oriented along {001} or {110} planes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6131-44	16.4	237
312	Flexible ReS ₂ nanosheets/N-doped carbon nanofibers-based paper as a universal anode for alkali (Li, Na, K) ion battery. <i>Nano Energy</i> , 2018 , 45, 346-352	17.1	234
311	Facile synthesis of uniform mesoporous ZnCo ₂ O ₄ microspheres as a high-performance anode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5596	13	233
310	Hierarchical mushroom-like CoNi ₂ S ₄ arrays as a novel electrode material for supercapacitors. <i>Nano Energy</i> , 2014 , 3, 36-45	17.1	231
309	Ultrathin porous NiCo ₂ O ₄ nanosheet arrays on flexible carbon fabric for high-performance supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7405-9	9.5	229
308	Comparison of the electrochemical performance of NiMoO ₄ nanorods and hierarchical nanospheres for supercapacitor applications. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12905-10	9.5	227
307	High-performance supercapacitor and lithium-ion battery based on 3D hierarchical NH ₄ F-induced nickel cobaltate nanosheet-nanowire cluster arrays as self-supported electrodes. <i>Nanoscale</i> , 2013 , 5, 9812-20	7.7	218
306	Controllable Fabrication and Electrical Performance of Single Crystalline Cu ₂ O Nanowires with High Aspect Ratios. <i>Nano Letters</i> , 2007 , 7, 3723-3728	11.5	210
305	Facile synthesis and excellent electrochemical properties of CoMoO ₄ nanoplate arrays as supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7247	13	208
304	Synthesis and ethanol sensing characteristics of single crystalline SnO ₂ nanorods. <i>Applied Physics Letters</i> , 2005 , 87, 233503	3.4	200
303	Microwave absorption properties of the ZnO nanowire-polyester composites. <i>Applied Physics Letters</i> , 2004 , 84, 3367-3369	3.4	199
302	Metastable vanadium dioxide nanobelts: hydrothermal synthesis, electrical transport, and magnetic properties. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5048-52	16.4	196
301	Fast synthesis of SnO ₂ /graphene composites by reducing graphene oxide with stannous ions. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1673-1676		190
300	High-performance supercapacitor electrode based on the unique ZnO@Co ₃ O ₄ core/shell heterostructures on nickel foam. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15905-12	9.5	188
299	CdS nanobelts as photoconductors. <i>Applied Physics Letters</i> , 2005 , 86, 173105	3.4	180
298	Low-resistance gas sensors fabricated from multiwalled carbon nanotubes coated with a thin tin oxide layer. <i>Applied Physics Letters</i> , 2004 , 85, 666-668	3.4	180

297	Morphogenesis of Highly Uniform CoCO ₃ Submicrometer Crystals and Their Conversion to Mesoporous Co ₃ O ₄ for Gas-Sensing Applications. <i>Chemistry of Materials</i> , 2009 , 21, 4984-4992	9.6	179
296	Construction of desirable NiCo ₂ S ₄ nanotube arrays on nickel foam substrate for pseudocapacitors with enhanced performance. <i>Electrochimica Acta</i> , 2015 , 151, 35-41	6.7	178
295	Three-dimensional Co ₃ O ₄ @NiMoO ₄ core/shell nanowire arrays on Ni foam for electrochemical energy storage. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5050-5	9.5	175
294	Individual EGa ₂ O ₃ nanowires as solar-blind photodetectors. <i>Applied Physics Letters</i> , 2006 , 88, 153107	3.4	174
293	Room-temperature hydrogen storage characteristics of ZnO nanowires. <i>Applied Physics Letters</i> , 2004 , 84, 124-126	3.4	172
292	Electrospun porous SnO ₂ nanotubes as high capacity anode materials for lithium ion batteries. <i>Electrochemistry Communications</i> , 2010 , 12, 1383-1386	5.1	164
291	NiMoO ₄ nanowires supported on Ni foam as novel advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9024	13	163
290	Electrochemical performance of polycrystalline CuO nanowires as anode material for Li ion batteries. <i>Electrochimica Acta</i> , 2009 , 54, 4198-4201	6.7	162
289	The enhanced ethanol sensing properties of multi-walled carbon nanotubes/SnO ₂ core/shell nanostructures. <i>Nanotechnology</i> , 2006 , 17, 3012-3017	3.4	155
288	Enhanced sensitivity and stability of room-temperature NH ₃ sensors using core-shell CeO ₂ nanoparticles@cross-linked PANI with p-n heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14131-40	9.5	154
287	A novel amperometric biosensor based on NiO hollow nanospheres for biosensing glucose. <i>Talanta</i> , 2008 , 77, 455-9	6.2	154
286	Positive temperature coefficient resistance and humidity sensing properties of Cd-doped ZnO nanowires. <i>Applied Physics Letters</i> , 2004 , 84, 3085-3087	3.4	146
285	Simple method for the preparation of highly porous ZnCo ₂ O ₄ nanotubes with enhanced electrochemical property for supercapacitor. <i>Electrochimica Acta</i> , 2014 , 123, 450-455	6.7	145
284	Carbon nanotube delivery of the GFP gene into mammalian cells. <i>ChemBioChem</i> , 2006 , 7, 239-42	3.8	141
283	Ab Initio Study of ZnO-Based Gas-Sensing Mechanisms: Surface Reconstruction and Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6107-6113	3.8	136
282	CoO-carbon nanofiber networks prepared by electrospinning as binder-free anode materials for lithium-ion batteries with enhanced properties. <i>Nanoscale</i> , 2013 , 5, 12342-9	7.7	135
281	Highly sensitive electrogenerated chemiluminescence biosensor in profiling protein kinase activity and inhibition using gold nanoparticle as signal transduction probes. <i>Analytical Chemistry</i> , 2010 , 82, 9566-72	7.8	135
280	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Graphene-Like Nanosheets for Li-S Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 8952-8959	15.6	134

279	In situ synthesis of SnO ₂ /graphene nanocomposite and their application as anode material for lithium ion battery. <i>Materials Letters</i> , 2010 , 64, 2076-2079	3.3	133
278	Plate-like p-n heterogeneous NiO/WO ₃ nanocomposites for high performance room temperature NO ₂ sensors. <i>Nanoscale</i> , 2014 , 6, 4063-6	7.7	132
277	Cobalt sulfide nanoparticles decorated graphene composite electrodes for high capacity and power supercapacitors. <i>Nanoscale</i> , 2012 , 4, 7810-6	7.7	132
276	The structure control of ZnS/graphene composites and their excellent properties for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13384-13389	13	128
275	Topochemical Preparation of WO ₃ Nanoplates through Precursor H ₂ WO ₄ and Their Gas-Sensing Performances. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18157-18163	3.8	128
274	Porous Carbon Nanofibers Derived from Conducting Polymer: Synthesis and Application in Lithium-Ion Batteries with High-Rate Capability. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13438-13442	3.8	125
273	Synthesis of cobalt ion-based coordination polymer nanowires and their conversion into porous Co ₃ O ₄ nanowires with good lithium storage properties. <i>Chemistry - A European Journal</i> , 2010 , 16, 5215-21	4.8	125
272	Stable field emission from tetrapod-like ZnO nanostructures. <i>Applied Physics Letters</i> , 2004 , 85, 636-638	3.4	125
271	Reduced graphene oxide networks as an effective buffer matrix to improve the electrode performance of porous NiCo ₂ O ₄ nanoplates for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4449	13	123
270	Construction of unique NiCo ₂ O ₄ nanowire@CoMoO ₄ nanoplate core/shell arrays on Ni foam for high areal capacitance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4954	13	122
269	High-performance lithium-ion battery anode by direct growth of hierarchical ZnCo ₂ O ₄ nanostructures on current collectors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 731-6	9.5	122
268	An amorphous Si thin film anode with high capacity and long cycling life for lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1157-1162	2.6	122
267	A green and fast strategy for the scalable synthesis of Fe ₂ O ₃ /graphene with significantly enhanced Li-ion storage properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3868		121
266	Synthesis of bacteria promoted reduced graphene oxide-nickel sulfide networks for advanced supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7335-40	9.5	119
265	Facile solvothermal synthesis of mesoporous Cu ₂ S spheres and their application in lithium-ion batteries. <i>Nanoscale</i> , 2011 , 3, 3646-51	7.7	119
264	Flexible CoO/graphene-carbon nanofiber mats as binder-free anodes for lithium-ion batteries with superior rate capacity and cyclic stability. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5890-5897	13	117
263	Targeting chemophotothermal therapy of hepatoma by gold nanorods/graphene oxide core/shell nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12911-20	9.5	116
262	Fast humidity sensors based on CeO ₂ nanowires. <i>Nanotechnology</i> , 2007 , 18, 145503	3.4	116

261	Synthesis and ethanol sensing properties of ZnSnO ₃ nanowires. <i>Applied Physics Letters</i> , 2005 , 86, 2331-2334	3.4	115
260	Ultralong Single-Crystalline Ag ₂ S Nanowires: Promising Candidates for Photoswitches and Room-Temperature Oxygen Sensors. <i>Advanced Materials</i> , 2008 , 20, 2628-2632	24	109
259	Low-Temperature H ₂ S Detection with Hierarchical Cr-Doped WO ₃ Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9674-83	9.5	109
258	Surface accumulation conduction controlled sensing characteristic of p-type CuO nanorods induced by oxygen adsorption. <i>Nanotechnology</i> , 2007 , 18, 145506	3.4	108
257	Field-emission from long SnO ₂ nanobelt arrays. <i>Applied Physics Letters</i> , 2004 , 85, 5682-5684	3.4	108
256	Construction of hierarchical CoS nanowire@NiCo ₂ S ₄ nanosheet arrays via one-step ion exchange for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24033-24040	13	106
255	Porous platelike hematite mesocrystals: synthesis, catalytic and gas-sensing applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11694		106
254	Three-dimensional functionalized tetrapod-like ZnO nanostructures for plasmid DNA delivery. <i>Small</i> , 2006 , 2, 621-5	11	106
253	One-Step Synthesis and Gas-Sensing Characteristics of Uniformly Loaded Pt@SnO ₂ Nanorods. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3968-3972	3.8	105
252	Superior electrochemical performance of ultrasmall SnS ₂ nanocrystals decorated on flexible RGO in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8658	13	103
251	Enhanced gas sensing properties of ZnO/SnO ₂ hierarchical architectures by glucose-induced attachment. <i>CrystEngComm</i> , 2011 , 13, 1557-1563	3.3	100
250	Enhanced performance of supercapacitors with ultrathin mesoporous NiMoO ₄ nanosheets. <i>Electrochimica Acta</i> , 2014 , 125, 294-301	6.7	99
249	Fe ₂ O ₃ nanochains: ammonium acetate-based ionothermal synthesis and ultrasensitive sensors for low-ppm-level H ₂ S gas. <i>Nanoscale</i> , 2013 , 5, 895-8	7.7	99
248	Synthesis and ethanol sensing properties of indium-doped tin oxide nanowires. <i>Applied Physics Letters</i> , 2006 , 88, 201907	3.4	97
247	Facile synthesis of carbon nanofibers/MnO ₂ nanosheets as high-performance electrodes for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2016 , 210, 754-761	6.7	95
246	Catalyst-Assisted Vapor-Liquid-Solid Growth of Single-Crystal CdS Nanobelts and Their Luminescence Properties. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 20045-20049	3.4	94
245	Facile hydrothermal synthesis of hierarchical ultrathin mesoporous NiMoO ₄ nanosheets for high performance supercapacitors. <i>Electrochimica Acta</i> , 2014 , 115, 358-363	6.7	93
244	Flexible morphology-controlled synthesis of mesoporous hierarchical Fe ₂ O ₃ architectures and their gas-sensing properties. <i>CrystEngComm</i> , 2011 , 13, 806-812	3.3	92

243	Growth of NiCo ₂ O ₄ @MnMoO ₄ Nanocolumn Arrays with Superior Pseudocapacitor Properties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8568-75	9.5	91
242	Graphene oxide oxidizes stannous ions to synthesize tin sulfide/graphene nanocomposites with small crystal size for high performance lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23091		90
241	Branched SnO ₂ nanowires on metallic nanowire backbones for ethanol sensors application. <i>Applied Physics Letters</i> , 2008 , 92, 102101	3.4	90
240	Synthesis of mesoporous NiO nanospheres as anode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2012 , 80, 140-147	6.7	88
239	Superior ethanol-sensing properties based on Ni-doped SnO ₂ p-n heterojunction hollow spheres. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 61-67	8.5	87
238	Porous Fe ₂ O ₃ nanosphere-based H ₂ S sensor with fast response, high selectivity and enhanced sensitivity. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12400	13	85
237	Synthesis of ZnSnO ₃ mesocrystals from regular cube-like to sheet-like structures and their comparative electrochemical properties in Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25373		84
236	Sonochemical synthesis of SnO ₂ nanobelt/CdS nanoparticle core/shell heterostructures. <i>Chemical Communications</i> , 2004 , 2558-9	5.8	84
235	Preparation of 3D flower-like NiO hierarchical architectures and their electrochemical properties in lithium-ion batteries. <i>Electrochimica Acta</i> , 2013 , 90, 80-89	6.7	82
234	Construction of 3D flower-like MoS ₂ spheres with nanosheets as anode materials for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 115, 165-169	6.7	82
233	Fe ₂ O ₃ nanowall arrays: hydrothermal preparation, growth mechanism and excellent rate performances for lithium ion batteries. <i>Nanoscale</i> , 2012 , 4, 3422-6	7.7	82
232	Carbon and graphene double protection strategy to improve the SnO(x) electrode performance anodes for lithium-ion batteries. <i>Nanoscale</i> , 2013 , 5, 5499-505	7.7	80
231	Encapsulating gold nanoparticles or nanorods in graphene oxide shells as a novel gene vector. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2715-24	9.5	79
230	Hierarchical Mo-decorated Co ₃ O ₄ nanowire arrays on Ni foam substrates for advanced electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8593	13	79
229	Synthesis of self-assembled 3D flowerlike SnS ₂ nanostructures with enhanced lithium ion storage property. <i>Solid State Sciences</i> , 2010 , 12, 712-718	3.4	79
228	Enhanced electrochemical performance of CoMoO ₄ nanorods/reduced graphene oxide as anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 158, 327-332	6.7	78
227	Rapid and ultrahigh ethanol sensing based on Au-coated ZnO nanorods. <i>Nanotechnology</i> , 2008 , 19, 035501	9.1	78
226	Metal-organic-framework-derived ZnO@C@NiCo ₂ O ₄ core-shell structures as an advanced electrode for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8233-8241	13	78

225	Plate-like SnS ₂ nanostructures: Hydrothermal preparation, growth mechanism and excellent electrochemical properties. <i>CrystEngComm</i> , 2012 , 14, 832-836	3-3	77
224	SnO ₂ monolayer porous hollow spheres as a gas sensor. <i>Nanotechnology</i> , 2009 , 20, 455503	3-4	77
223	WO ₃ nanoparticles decorated on both sidewalls of highly porous TiO ₂ nanotubes to improve UV and visible-light photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3900	13	76
222	High-performance ethanol sensing based on an aligned assembly of ZnO nanorods. <i>Sensors and Actuators B: Chemical</i> , 2008 , 135, 57-60	8.5	76
221	Ternary Cu ₂ SnS ₄ cabbage-like nanostructures: large-scale synthesis and their application in Li-ion batteries with superior reversible capacity. <i>Nanoscale</i> , 2011 , 3, 4389-93	7-7	74
220	NiO nanomaterials: controlled fabrication, formation mechanism and the application in lithium-ion battery. <i>CrystEngComm</i> , 2012 , 14, 453-459	3-3	73
219	High electrochemical performance based on the TiO ₂ nanobelt@few-layered MoS ₂ structure for lithium-ion batteries. <i>Nanoscale</i> , 2014 , 6, 12350-3	7-7	72
218	Morphology controlled synthesis of NiCo ₂ O ₄ nanosheet array nanostructures on nickel foam and their application for pseudocapacitors. <i>Electrochimica Acta</i> , 2014 , 142, 118-124	6-7	72
217	Promises and challenges of tin-based compounds as anode materials for lithium-ion batteries. <i>International Materials Reviews</i> , 2015 , 60, 330-352	16.1	72
216	High performance and negative temperature coefficient of low temperature hydrogen gas sensors using palladium decorated tungsten oxide. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1317-1324	13	71
215	Enhanced Optical and Sensing Properties of One-Step Synthesized Pt@ZnO Nanoflowers. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18607-18611	3.8	70
214	Single Nozzle Electrospinning Synthesized MoO ₂ @C Core Shell Nanofibers with High Capacity and Long-Term Stability for Lithium-Ion Storage. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600816	4.6	69
213	High-temperature humidity sensors based on WO ₃ @SnO ₂ composite hollow nanospheres. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6854-6862	13	68
212	Facile synthesis of well-ordered manganese oxide nanosheet arrays on carbon cloth for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8833	13	66
211	Optoelectronic characteristics of single CdS nanobelts. <i>Applied Physics Letters</i> , 2005 , 86, 193109	3-4	66
210	Shot noise with interaction effects in single-walled carbon nanotubes. <i>Physical Review Letters</i> , 2007 , 99, 156803	7-4	64
209	Achieving fast oxygen response in individual InGa ₂ O ₃ nanowires by ultraviolet illumination. <i>Applied Physics Letters</i> , 2006 , 89, 112114	3-4	64
208	Porous NiCo ₂ O ₄ -reduced graphene oxide (rGO) composite with superior capacitance retention for supercapacitors. <i>Electrochimica Acta</i> , 2014 , 132, 332-337	6-7	63

207	Improved room-temperature hydrogen sensing performance of directly formed Pd/WO ₃ nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 28-34	8.5	63
206	A facile titanium glycolate precursor route to mesoporous Au/Li ₄ Ti ₅ O ₁₂ spheres for high-rate lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1233-8	9.5	61
205	SiAl thin film anode material with superior cycle performance and rate capability for lithium ion batteries. <i>Electrochimica Acta</i> , 2008 , 53, 8149-8153	6.7	61
204	Bandgap narrowing and ethanol sensing properties of In-doped ZnO nanowires. <i>Nanotechnology</i> , 2007 , 18, 225504	3.4	61
203	Vertically aligned tin-doped indium oxide nanowire arrays: Epitaxial growth and electron field emission properties. <i>Applied Physics Letters</i> , 2006 , 89, 123102	3.4	61
202	Synthesis of mesoporous SnO ₂ spheres via self-assembly and superior lithium storage properties. <i>Electrochimica Acta</i> , 2011 , 56, 2358-2363	6.7	60
201	Rational synthesis of metal-organic framework composites, hollow structures and their derived porous mixed metal oxide hollow structures. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 183-192	13	59
200	Enhanced selective acetone sensing characteristics based on Co-doped WO ₃ hierarchical flower-like nanostructures assembled with nanoplates. <i>Sensors and Actuators B: Chemical</i> , 2016 , 235, 614-621	8.5	57
199	Room-temperature hydrogen sensor based on grain-boundary controlled Pt decorated In ₂ O ₃ nanocubes. <i>Sensors and Actuators B: Chemical</i> , 2014 , 201, 351-359	8.5	57
198	An evolution from 3D face-centered-cubic ZnSnO ₃ nanocubes to 2D orthorhombic ZnSnO ₃ nanosheets with excellent gas sensing performance. <i>Nanotechnology</i> , 2012 , 23, 415501	3.4	57
197	Bi ₂ S ₃ nanomaterials: morphology manipulation and related properties. <i>Dalton Transactions</i> , 2011 , 40, 10100-8	4.3	57
196	Single-crystalline tin-doped indium oxide whiskers: Synthesis and characterization. <i>Applied Physics Letters</i> , 2004 , 85, 4759-4761	3.4	57
195	High performance humidity sensors based on CeO ₂ nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 125-132	8.5	56
194	Rational synthesis of ZnMn ₂ O ₄ porous spheres and graphene nanocomposite with enhanced performance for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11430-11436	13	55
193	Designable fabrication of flower-like SnS ₂ aggregates with excellent performance in lithium-ion batteries. <i>RSC Advances</i> , 2012 , 2, 3615	3.7	54
192	Catalytic growth of In ₂ O ₃ nanobelts by vapor transport. <i>Journal of Crystal Growth</i> , 2006 , 290, 660-664	1.6	54
191	3D hierarchical CuO mesocrystals from ionic liquid precursors: towards better electrochemical performance for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8402-8411	13	54
190	Topochemical synthesis of cobalt oxide nanowire arrays for high performance binderless lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11867		53

189	Anomalous conductivity-type transition sensing behaviors of n-type porous Fe ₂ O ₃ nanostructures toward H ₂ S. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 600-605	3.1	53
188	Ionic liquid-modulated preparation of hexagonal tungsten trioxide mesocrystals for lithium-ion batteries. <i>Nanoscale</i> , 2015 , 7, 2230-4	7.7	52
187	Two-Dimensional Single Crystal CdS Nanosheets: Synthesis and Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 4995-5000	3.5	52
186	Hierarchical porous carbon microrods composed of vertically aligned graphene-like nanosheets for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19800-19806	13	51
185	Black phosphorus-based van der Waals heterostructures for mid-infrared light-emission applications. <i>Light: Science and Applications</i> , 2020 , 9, 114	16.7	51
184	An excellent enzyme biosensor based on Sb-doped SnO ₂ nanowires. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2436-41	11.8	51
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