

Taihong Wang

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.

332
papers

28,857
citations

90
h-index

158
g-index

343
ext. papers

31,103
ext. citations

6.4
avg, IF

7.08
L-index

#	Paper	IF	Citations
332	Giant negative thermopower of ionic hydrogel by synergistic coordination and hydration interactions. <i>Science Advances</i> , 2021 , 7, eabi7233	14.3	8
331	Classification of Cognitive Impairment and Healthy Controls Based on Transcranial Magnetic Stimulation Evoked Potentials.. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 804384	5.3	
330	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
329	Na/Li-Ion Batteries: S-Doped Carbon Fibers Uniformly Embedded with Ultrasmall TiO ₂ for Na ⁺ /Li ⁺ Storage with High Capacity and Long-Time Stability (Small 38/2019). <i>Small</i> , 2019 , 15, 1970207	11	
328	A highly selective and sensitive HS sensor at low temperatures based on Cr-doped FeO nanoparticles.. <i>RSC Advances</i> , 2019 , 9, 4150-4156	3.7	20
327	Fast-response ionogel humidity sensor for real-time monitoring of breathing rate. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 484-491	7.8	24
326	New Insights on the Fast Response of Poly(Ionic Liquid)s to Humidity: The Effect of Free-Ion Concentration. <i>Nanomaterials</i> , 2019 , 9,	5.4	8
325	Electrospun Li ₃ V ₂ (PO ₄) ₃ nanocubes/carbon nanofibers as free-standing cathodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14681-14688	13	22
324	Type-Switchable Inverter and Amplifier Based on High-Performance Ambipolar Black-Phosphorus Transistors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900133	6.4	6
323	S-Doped Carbon Fibers Uniformly Embedded with Ultrasmall TiO for Na /Li Storage with High Capacity and Long-Time Stability. <i>Small</i> , 2019 , 15, e1902201	11	31
322	The full gradient design in Li-rich cathode for high performance lithium ion batteries with reduced voltage decay. <i>Journal of Power Sources</i> , 2019 , 437, 226902	8.9	29
321	1D Nb-doped LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ nanostructures as excellent cathodes for Li-ion battery. <i>Electrochimica Acta</i> , 2019 , 297, 258-266	6.7	50
320	Construction of complex WO ₃ -SnO ₂ hollow nanospheres as a high-performance anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 744, 375-380	5.7	16
319	Electrospun Nb-doped LiNi _{0.4} Co _{0.2} Mn _{0.4} O ₂ nanobelts for lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1126-1132	6.8	20
318	Surfactant-Assisted Synthesis of High Energy {010} Facets Beneficial to Li-Ion Transport Kinetics with Layered LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6312-6320	8.3	24
317	ZnO-carbon nanofibers for stable, high response, and selective HS sensors. <i>Nanotechnology</i> , 2018 , 29, 275501	3.4	21
316	S-doped carbon@TiO ₂ to store Li ⁺ /Na ⁺ with high capacity and long life-time. <i>Energy Storage Materials</i> , 2018 , 13, 215-222	19.4	41

315	Enhanced H ₂ gas sensing properties by Pd-loaded urchin-like WO ₃ hierarchical nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2018 , 260, 900-907	8.5	34
314	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
313	Room-temperature H ₂ sensing interfered by CO based on interfacial effects in palladium-tungsten oxide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 966-972	8.5	11
312	Oxygen vacancy improves the hydrogen evolution reaction property of WO ₃ nanosheets. <i>Nano Structures Nano Objects</i> , 2018 , 15, 114-118	5.6	13
311	General Airbrush-Spraying/Electrospinning Strategy for Ultrahigh Areal-Capacity LiFePO ₄ -Based Cathodes. <i>ChemElectroChem</i> , 2018 , 5, 2330-2335	4.3	8
310	A facile method to hunt for durable high-rate capability Na _{0.44} MnO ₂ . <i>Journal of Power Sources</i> , 2018 , 395, 395-402	8.9	23
309	The Improvement of SiO ₂ Nanoparticles on the Oxygen Reduction Reaction Property of Nitrogen-Doped Mesoporous Graphene Spheres Prepared by Spray Drying. <i>Nanoscience and Nanotechnology Letters</i> , 2018 , 10, 200-206	0.8	2
308	Rapid synthesis of Cr-doped Fe ₂ O ₃ /reduced graphene oxide nanocomposites as high performance anode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 732, 270-279	5.7	20
307	A free-standing Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ /MWCNT framework for high-energy lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3053-3060	6.8	8
306	Octopus tentacles-like WO ₃ /C@CoO as high property and long life-time electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2018 , 281, 1-8	6.7	13
305	Janus particle-based microprobes: Determination of object orientation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 513, 452-462	5.1	5
304	LiFePO ₄ mesocrystals coated with N-doped carbon from an ionic liquid for Li-ion batteries. <i>CrystEngComm</i> , 2017 , 19, 1253-1257	3.3	9
303	Rational design and synthesis of sandwich-like iron nitride-graphene composites as efficient catalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 202-211	6.7	9
302	Synthesis of electrocatalytically functional carbon honeycombs through cooking with molecule precursors. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 6472-6481	6.7	12
301	MOF-derived porous ZnO/ZnFe ₂ O ₄ hybrid nanostructures as advanced anode materials for lithium ion batteries. <i>Materials Letters</i> , 2017 , 197, 241-244	3.3	29
300	Reduced graphene oxide uniformly anchored with ultrafine CoMn ₂ O ₄ nanoparticles as advance anode materials for lithium and sodium storage. <i>Journal of Alloys and Compounds</i> , 2017 , 716, 30-36	5.7	17
299	3D reticular pomegranate-like CoMn ₂ O ₄ /C for ultrahigh rate lithium-ion storage with re-oxidation of manganese. <i>Electrochimica Acta</i> , 2017 , 241, 244-251	6.7	11
298	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

297	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
296	CeO ₂ /ionic liquid hybrid materials with enhanced humidity performance. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 870-876	8.5	7
295	Energy Storage: A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na ⁺ Storage (Small 22/2017). <i>Small</i> , 2017 , 13,	11	4
294	Comparison of the electrochemical performance of iron hexacyanoferrate with high and low quality as cathode materials for aqueous sodium-ion batteries. <i>Chemical Communications</i> , 2017 , 53, 6780-6783	5.8	35
293	Functionalized horizontally aligned CNT array and random CNT network for CO ₂ sensing. <i>Carbon</i> , 2017 , 117, 263-270	10.4	22
292	A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na Storage. <i>Small</i> , 2017 , 13, 1604045	11	32
291	Metal-Organic Frameworks Derived Nanocomposites of Mixed-Valent MnO _x Nanoparticles In-Situ Grown on Ultrathin Carbon Sheets for High-Performance Supercapacitors and Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2017 , 256, 63-72	6.7	26
290	In-situ phase transition to form porous h-MoO ₃ @C nanofibers with high stability for Li ⁺ /Na ⁺ storage. <i>Science China Materials</i> , 2017 , 60, 755-765	7.1	20
289	Controlled synthesis of iron sulfide coated by carbon layer to improve lithium and sodium storage. <i>Electrochimica Acta</i> , 2017 , 247, 1080-1087	6.7	45
288	Design and synthesis of Cr ₂ O ₃ @C@G composites with yolk-shell structure for Li ⁺ storage. <i>Journal of Alloys and Compounds</i> , 2017 , 724, 406-412	5.7	14
287	Gas modulating effect in room temperature ammonia sensing. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 404-411	8.5	17
286	Ultra-fast and highly-sensitive gas sensing arising from thin SnO ₂ inner wall supported hierarchical bilayer oxide hollow spheres. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 349-357	8.5	18
285	Aggregating complementary boundary contrast with smoothing for salient region detection. <i>Visual Computer</i> , 2017 , 33, 1155-1167	2.3	11
284	Electrospun CeO ₂ nanoparticles/PVP nanofibers based high-frequency surface acoustic wave humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 730-737	8.5	42
283	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
282	The effect of loading density of nickel-cobalt sulfide arrays on their cyclic stability and rate performance for supercapacitors. <i>Science China Materials</i> , 2016 , 59, 629-638	7.1	24
281	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
280	Highly chemoresistive humidity sensing using poly(ionic liquid)s. <i>Chemical Communications</i> , 2016 , 52, 8417-9	5.8	36

279	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
278	Electrospinning Synthesis of Ni ²⁺ /Fe ³⁺ Codoped Ultrafine-ZnFe ₂ O ₄ /C Nanofibers and Their Properties for Lithium Ion Storage. <i>Electrochimica Acta</i> , 2016 , 194, 357-366	6.7	31
277	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
276	In-situ fabrication of reduced graphene oxide (rGO)/ZnO heterostructure: surface functional groups induced electrical properties. <i>Electrochimica Acta</i> , 2016 , 196, 558-564	6.7	18
275	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
274	Rational combination of MnS/rGO nanocomposites for high-performance lithium-ion batteries. <i>CrystEngComm</i> , 2016 , 18, 6200-6204	3.3	23
273	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
272	Muti-component nanocomposite of nickel and manganese oxides with enhanced stability and catalytic performance for non-enzymatic glucose sensors. <i>Nanotechnology</i> , 2016 , 27, 255501	3.4	5
271	Long circulating reduced graphene oxide-iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. <i>Nanoscale</i> , 2016 , 8, 12683-92	7.7	50
270	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
269	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
268	Multifunctional Cr ₂ O ₃ quantum nanodots to improve the lithium-ion storage performance of free-standing carbon nanofiber networks. <i>Electrochimica Acta</i> , 2016 , 217, 55-61	6.7	17
267	HxMoO ₃ nanobelts with better performance as anode in lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 213, 641-647	6.7	14
266	Reprint of A layer-by-layer deposition strategy of fabricating NiO@rGO composites for advanced electrochemical capacitors. <i>Electrochimica Acta</i> , 2015 , 172, 37-41	6.7	2
265	Facile approach to prepare porous GeO ₂ /SnO ₂ nanofibers via a single spinneret electrospinning technique as anodes for Lithium-ion batteries. <i>Ceramics International</i> , 2015 , 41, 10308-10313	5.1	22
264	Non-enzymatic electrochemical glucose sensor based on NiMoO ₄ nanorods. <i>Nanotechnology</i> , 2015 , 26, 145501	3.4	16
263	Stannous ions reducing graphene oxide at room temperature to produce SnO _x -porous, carbon-nanofiber flexible mats as binder-free anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12672-12679	13	33
262	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

261	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
260	High performance humidity sensors based on CeO ₂ nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 125-132	8.5	56
259	Fixing graphene-Mn ₃ O ₄ nanosheets on carbon cloth by a poles repel-assisted method to prepare flexible binder-free electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2015 , 180, 983-989	6.7	35
258	Enhanced sensitivity of a GHz surface acoustic wave humidity sensor based on Ni(SO ₄) _{0.3} (OH) _{1.4} nanobelts and NiO nanoparticles. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9902-9909	7.1	18
257	Temperature-Dependent Abnormal and Tunable p-n Response of Tungsten Oxide--Tin Oxide Based Gas Sensors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24887-94	9.5	34
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	Hierarchical CuCo ₂ O ₄ nanowire@NiCo ₂ O ₄ nanosheet core/shell arrays for high-performance supercapacitors. <i>RSC Advances</i> , 2015 , 5, 69636-69641	3.7	43
254	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
253	Encapsulating Sn(x)Sb Nanoparticles in Multichannel Graphene-Carbon Fibers As Flexible Anodes to Store Lithium Ions with High Capacities. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21890-7	9.5	33
252	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
251	Ionic liquid-modulated preparation of hexagonal tungsten trioxide mesocrystals for lithium-ion batteries. <i>Nanoscale</i> , 2015 , 7, 2230-4	7.7	52
250	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
249	Facile Synthesis of Graphene@NiO/MoO ₃ Composite Nanosheet Arrays for High-performance Supercapacitors. <i>Electrochimica Acta</i> , 2015 , 151, 510-516	6.7	40
248	A layer-by-layer deposition strategy of fabricating NiO@rGO composites for advanced electrochemical capacitors. <i>Electrochimica Acta</i> , 2015 , 152, 378-382	6.7	26
247	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
246	Ionic liquid-assisted fabrication of copper hydroxyphosphate nanocrystals with exposed {100} facets for enhanced photocatalytic activity. <i>Nanotechnology</i> , 2015 , 26, 031001	3.4	7
245	Tin dioxide dodecahedral nanocrystals anchored on graphene sheets with enhanced electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 159, 46-51	6.7	24
244	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

243	NiMoO ₄ nanowire @ MnO ₂ nanoflake core/shell hybrid structure aligned on carbon cloth for high-performance supercapacitors. <i>RSC Advances</i> , 2015 , 5, 10681-10687	3.7	31
242	Enhanced performance of supercapacitors with ultrathin mesoporous NiMoO ₄ nanosheets. <i>Electrochimica Acta</i> , 2014 , 125, 294-301	6.7	99
241	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
240	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
239	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
238	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
237	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
236	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
235	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
234	A nanocomposite of tin dioxide octahedral nanocrystals exposed to high-energy facets anchored onto graphene sheets for high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13990	13	27
233	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
232	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
231	Ethanol-sensing performance of tin dioxide octahedral nanocrystals with exposed high-energy {111} and {332} facets. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10623	13	36
230	Strongly coupled hybrid nanostructures for selective hydrogen detection--understanding the role of noble metals in reducing cross-sensitivity. <i>Nanoscale</i> , 2014 , 6, 4758-64	7.7	11
229	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
228	Architectures of tavorite LiFe(PO ₄)(OH)(0.5)F(0.5) hierarchical microspheres and their lithium storage properties. <i>Nanoscale</i> , 2014 , 6, 11041-5	7.7	11
227	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
226	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

225	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
224	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
223	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
222	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
221	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
220	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
219	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
218	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
217	High-performance humidity sensors from Ni(SO ₄) _{0.3} (OH) _{1.4} nanobelts. <i>Nanoscale</i> , 2014 , 6, 6521-5	7.7	8
216	Hydrothermal synthesis of Ni(OH) ₂ and its conversion to NiO with electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2014 , 582, 328-333	5.7	25
215	Surrounding sensitive electronic properties of Bi ₂ Te ₃ nanoplates-potential sensing applications of topological insulators. <i>Scientific Reports</i> , 2014 , 4, 4639	4.9	18
214	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
213	High-performance room-temperature hydrogen sensors based on combined effects of Pd decoration and Schottky barriers. <i>Nanoscale</i> , 2013 , 5, 2505-10	7.7	50
212	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
211	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
210	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
209	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
208	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

207	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
206	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
205	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
204	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
203	Nanomaterials for electrochemical non-enzymatic glucose biosensors. <i>RSC Advances</i> , 2013 , 3, 3487	3.7	261
202	Metal Oxide Nanowire Sensors with Complex Morphologies and Compositions 2013 , 345-364		
201	Amorphous tin(II) oxide thin films with 3D reticular porous morphology for lithium-ion batteries. <i>Crystal Research and Technology</i> , 2013 , 48, 51-54	1.3	3
200	Tailoring the subunits of Fe ₂ O ₃ nanoplates for optimizing electrochemical performance. <i>Electrochimica Acta</i> , 2013 , 113, 194-199	6.7	22
199	Hierarchical tin-based microspheres: Solvothermal synthesis, chemical conversion, mechanism and application in lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 106, 386-391	6.7	16
198	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
197	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
196	Electrospinning-thermal treatment synthesis: a general strategy to decorate highly porous nanotubes on both internal and external side-walls with metal oxide/noble metal nanoparticles. <i>Nanoscale</i> , 2013 , 5, 2835-9	7.7	12
195	Homogenous incorporation of SnO ₂ nanoparticles in carbon cryogels via the thermal decomposition of stannous sulfate and their enhanced lithium-ion intercalation properties. <i>Nano Energy</i> , 2013 , 2, 769-778	17.1	49
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35	Carbon Nanotube Radio-Frequency Single-Electron Transistor. <i>Journal of Low Temperature Physics</i> , 2004 , 136, 465-480	1.3	12
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33	A double-walled carbon nanotube field-effect transistor using the inner shell as its gate. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 23, 232-236	3	10
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31	Field-emission from long SnO ₂ nanobelt arrays. <i>Applied Physics Letters</i> , 2004 , 85, 5682-5684	3.4	108
30	The synthesis and photoluminescence of multipod-like zinc oxide whiskers. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 1115-1121	1.8	12
29	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
28	Stable field emission from tetrapod-like ZnO nanostructures. <i>Applied Physics Letters</i> , 2004 , 85, 636-638	3.4	125

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24	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
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17	Linear and third-order nonlinear optical absorption of amorphous Ge nanoclusters embedded in Al ₂ O ₃ matrix synthesized by electron-beam coevaporation. <i>Applied Physics Letters</i> , 2003 , 82, 3162-3164	3.4	26
16	Third-order optical nonlinearity and negative photoconductivity of Ge nanocrystals in Al ₂ O ₃ dielectric. <i>Nanotechnology</i> , 2003 , 14, L15-L17	3.4	15
15	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
14	Memory and negative photoconductivity effects of Ge nanocrystals embedded in ZrO ₂ /Al ₂ O ₃ gate dielectrics. <i>Applied Physics Letters</i> , 2003 , 83, 138-140	3.4	42
13	Characteristics of a field-effect transistor with stacked InAs quantum dots. <i>Applied Physics Letters</i> , 2003 , 82, 3092-3094	3.4	6
12	Synthesis and optical properties of semiconducting beta-FeSi ₂ nanocrystals. <i>Applied Physics Letters</i> , 2003 , 82, 3224-3226	3.4	27
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