

Taihong Wang

List of Publications by Year in descending order

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342
papers

33,500
citations

3449

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5244

171
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343
all docs

343
docs citations

343
times ranked

35558
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant Thermopower of Hydrogen Ion Enhanced by a Strong Hydrogen Bond System. ACS Applied Materials & Interfaces, 2022, 14, 19304-19314.	4.0	17
2	Giant negative thermopower of ionic hydrogel by synergistic coordination and hydration interactions. Science Advances, 2021, 7, eabi7233.	4.7	81
3	Classification of Cognitive Impairment and Healthy Controls Based on Transcranial Magnetic Stimulation Evoked Potentials. Frontiers in Aging Neuroscience, 2021, 13, 804384.	1.7	2
4	Black phosphorus-based van der Waals heterostructures for mid-infrared light-emission applications. Light: Science and Applications, 2020, 9, 114.	7.7	100
5	S-doped Carbon Fibers Uniformly Embedded with Ultrasmall TiO ₂ for Na ⁺ /Li ⁺ Storage with High Capacity and Long-time Stability. Small, 2019, 15, e1902201.	5.2	40
6	The full gradient design in Li-rich cathode for high performance lithium ion batteries with reduced voltage decay. Journal of Power Sources, 2019, 437, 226902.	4.0	34
7	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). Small, 2019, 15, 1970207.	5.2	0
8	A highly selective and sensitive H ₂ S sensor at low temperatures based on Cr-doped Fe ₂ O ₃ nanoparticles. RSC Advances, 2019, 9, 4150-4156.	1.7	29
9	Fast-response ionogel humidity sensor for real-time monitoring of breathing rate. Materials Chemistry Frontiers, 2019, 3, 484-491.	3.2	43
10	New Insights on the Fast Response of Poly(Ionic Liquid)s to Humidity: The Effect of Free-Ion Concentration. Nanomaterials, 2019, 9, 749.	1.9	12
11	Electrospun Li ₃ V ₂ (PO ₄) ₃ nanocubes/carbon nanofibers as free-standing cathodes for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 14681-14688.	5.2	35
12	Type-C Switchable Inverter and Amplifier Based on High-performance Ambipolar Black Phosphorus Transistors. Advanced Electronic Materials, 2019, 5, 1900133.	2.6	9
13	1D Nb-doped LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ nanostructures as excellent cathodes for Li-ion battery. Electrochimica Acta, 2019, 297, 258-266.	2.6	81
14	Construction of complex WO ₃ -SnO ₂ hollow nanospheres as a high-performance anode for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 744, 375-380.	2.8	20
15	Electrospun Nb-doped LiNi _{0.4} Co _{0.2} Mn _{0.4} O ₂ nanobelts for lithium-ion batteries. Inorganic Chemistry Frontiers, 2018, 5, 1126-1132.	3.0	28
16	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 . ACS Sustainable Chemistry and Engineering, 2018, 6, 6312-6320.	3.2	35
17	ZnO-carbon nanofibers for stable, high response, and selective H ₂ S sensors. Nanotechnology, 2018, 29, 275501.	1.3	29
18	S-doped carbon@TiO ₂ to store Li ⁺ /Na ⁺ with high capacity and long life-time. Energy Storage Materials, 2018, 13, 215-222.	9.5	52

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19	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.	4.0	48
20	Flexible ReS ₂ nanosheets/N-doped carbon nanofibers-based paper as a universal anode for alkali (Li, Na, K) ion batteries. <i>Journal of Power Sources</i> , 2018, 288, 280-286.	8.2	280
21	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.	4.0	21
22	Oxygen vacancy improves the hydrogen evolution reaction property of WO ₃ nanosheets. <i>Nano Structures Nano Objects</i> , 2018, 15, 114-118.	1.9	19
23	Rapid synthesis of Cr-doped Fe ₃ O ₄ /reduced graphene oxide nanocomposites as high performance anode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 732, 270-279.	2.8	29
24	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.	3.0	10
25	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.	2.6	25
26	General Airbrush Spraying/Electrospinning Strategy for Ultrahigh Areal Capacity LiFePO ₄ -Based Cathodes. <i>ChemElectroChem</i> , 2018, 5, 2330-2335.	1.7	10
27	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.	4.0	32
28	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.	0.4	2
29	Janus particle-based microprobes: Determination of object orientation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 513, 452-462.	2.3	7
30	LiFePO ₄ mesocrystals coated with N-doped carbon from an ionic liquid for Li-ion batteries. <i>CrystEngComm</i> , 2017, 19, 1253-1257.	1.3	11
31	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.	3.8	10
32	Synthesis of electrocatalytically functional carbon honeycombs through cooking with molecule precursors. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6472-6481.	3.8	15
33	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.	1.3	40
34	Reduced graphene oxide uniformly anchored with ultrafine CoMn ₂ O ₄ nanoparticles as advanced anode materials for lithium and sodium storage. <i>Journal of Alloys and Compounds</i> , 2017, 716, 30-36.	2.8	27
35	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.	2.6	15
36	Pipe-Wire TiO ₂ @Sn@Carbon Nanofibers Paper Anodes for Lithium and Sodium Ion Batteries. <i>Nano Letters</i> , 2017, 17, 3830-3836.	4.5	272

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37	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.	1.9	73
38	CeO ₂ /ionic liquid hybrid materials with enhanced humidity performance. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 870-876.	4.0	8
39	Energy Storage: A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na ⁺ Storage (Small 22/2017). <i>Small</i> , 2017, 13, .	5.2	8
40	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.	2.2	42
41	Functionalized horizontally aligned CNT array and random CNT network for CO ₂ sensing. <i>Carbon</i> , 2017, 117, 263-270.	5.4	35
42	A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na ⁺ Storage. <i>Small</i> , 2017, 13, 1604045.	5.2	34
43	Metal-Organic Frameworks Derived Nanocomposites of Mixed-Valent MnO Nanoparticles In-Situ Grown on Ultrathin Carbon Sheets for High-Performance Supercapacitors and Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2017, 256, 63-72.	2.6	31
44	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.	3.5	25
45	Controlled synthesis of iron sulfide coated by carbon layer to improve lithium and sodium storage. <i>Electrochimica Acta</i> , 2017, 247, 1080-1087.	2.6	56
46	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.	2.8	19
47	Gas modulating effect in room temperature ammonia sensing. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 404-411.	4.0	22
48	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.	4.0	21
49	Aggregating complementary boundary contrast with smoothing for salient region detection. <i>Visual Computer</i> , 2017, 33, 1155-1167.	2.5	11
50	A Hybrid Chemical Reaction Optimization Algorithm for Bin Packing Problem. , 2017, , .		0
51	Rational combination of δ -MnS/rGO nanocomposites for high-performance lithium-ion batteries. <i>CrystEngComm</i> , 2016, 18, 6200-6204.	1.3	35
52	Security evaluation of RC4 using big data analytics. , 2016, , .		0
53	Low-Temperature H ₂ S Detection with Hierarchical Cr-Doped WO ₃ Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9674-9683.	4.0	136
54	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.	1.3	6

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55	Long circulating reduced graphene oxide@iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. <i>Nanoscale</i> , 2016, 8, 12683-12692.	2.8	58
56	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.	5.2	94
57	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.	5.2	61
58	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.	2.6	26
59	H _x MoO ₃ nanobelts with better performance as anode in lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 213, 641-647.	2.6	15
60	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Graphene-Like Nanosheets for Li-ES Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 8952-8959.	7.8	159
61	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.	3.5	28
62	Facile synthesis of carbon nanofibers/MnO ₂ nanosheets as high-performance electrodes for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2016, 210, 754-761.	2.6	115
63	Highly chemoresistive humidity sensing using poly(ionic liquid)s. <i>Chemical Communications</i> , 2016, 52, 8417-8419.	2.2	44
64	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.	4.0	70
65	Electrospinning Synthesis of Ni ⁰ , Fe ⁰ Codoped Ultrafine-ZnFe ₂ O ₄ /C Nanofibers and Their Properties for Lithium Ion Storage. <i>Electrochimica Acta</i> , 2016, 194, 357-366.	2.6	41
66	Growth of NiCo ₂ O ₄ @MnMoO ₄ Nanocolumn Arrays with Superior Pseudocapacitor Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8568-8575.	4.0	100
67	In-situ fabrication of reduced graphene oxide (rGO)/ZnO heterostructure: surface functional groups induced electrical properties. <i>Electrochimica Acta</i> , 2016, 196, 558-564.	2.6	24
68	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.	5.2	77
69	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.	4.0	54
70	Rapid Pedestrian Detection Based On Movement Trend. , 2016, , .		0
71	Moving Pedestrian Detection Using Normed Proposals and Key Points Matching. , 2016, , .		0
72	Promises and challenges of tin-based compounds as anode materials for lithium-ion batteries. <i>International Materials Reviews</i> , 2015, 60, 330-352.	9.4	93

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73	Ionic liquid-assisted fabrication of copper hydroxyphosphate nanocrystals with exposed {100} facets for enhanced photocatalytic activity. <i>Nanotechnology</i> , 2015, 26, 031001.	1.3	7
74	Tin dioxide dodecahedral nanocrystals anchored on graphene sheets with enhanced electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 159, 46-51.	2.6	28
75	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.	2.6	92
76	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.	1.7	37
77	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.	2.6	2
78	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.	2.3	23
79	Non-enzymatic electrochemical glucose sensor based on NiMoO ₄ nanorods. <i>Nanotechnology</i> , 2015, 26, 145501.	1.3	20
80	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.	5.2	33
81	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.	5.2	172
82	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.	5.2	57
83	High performance humidity sensors based on CeO ₂ nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 125-132.	4.0	67
84	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.	2.6	42
85	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.	2.7	21
86	Temperature-Dependent Abnormal and Tunable p-n Response of Tungsten Oxide/Tin Oxide Based Gas Sensors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24887-24894.	4.0	39
87	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.	5.2	119
88	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.	1.7	53
89	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.	5.2	62
90	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, 21890-21897.	4.0	40

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91	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.	5.2	90
92	Ionic liquid-modulated preparation of hexagonal tungsten trioxide mesocrystals for lithium-ion batteries. <i>Nanoscale</i> , 2015, 7, 2230-2234.	2.8	61
93	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.	2.6	206
94	Facile Synthesis of Graphene@NiO/MoO ₃ Composite Nanosheet Arrays for High-performance Supercapacitors. <i>Electrochimica Acta</i> , 2015, 151, 510-516.	2.6	47
95	A layer-by-layer deposition strategy of fabricating NiO@rGO composites for advanced electrochemical capacitors. <i>Electrochimica Acta</i> , 2015, 152, 378-382.	2.6	26
96	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.	2.6	90
97	Enhanced performance of supercapacitors with ultrathin mesoporous NiMoO ₄ nanosheets. <i>Electrochimica Acta</i> , 2014, 125, 294-301.	2.6	116
98	High-temperature humidity sensors based on WO ₃ @SnO ₂ composite hollow nanospheres. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6854-6862.	5.2	84
99	Facile hydrothermal synthesis of hierarchical ultrathin mesoporous NiMoO ₄ nanosheets for high performance supercapacitors. <i>Electrochimica Acta</i> , 2014, 115, 358-363.	2.6	110
100	Porous NiCo ₂ O ₄ -reduced graphene oxide (rGO) composite with superior capacitance retention for supercapacitors. <i>Electrochimica Acta</i> , 2014, 132, 332-337.	2.6	76
101	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.	4.0	68
102	Hierarchical mushroom-like CoNi ₂ S ₄ arrays as a novel electrode material for supercapacitors. <i>Nano Energy</i> , 2014, 3, 36-45.	8.2	265
103	Improved room-temperature hydrogen sensing performance of directly formed Pd/WO ₃ nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 28-34.	4.0	81
104	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.	5.2	131
105	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.	5.2	32
106	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.	5.2	134
107	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.	5.2	76
108	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.	5.2	46

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109	Strongly coupled hybrid nanostructures for selective hydrogen detection – understanding the role of noble metals in reducing cross-sensitivity. <i>Nanoscale</i> , 2014, 6, 4758-4764.	2.8	12
110	Plate-like –n heterogeneous NiO/WO ₃ nanocomposites for high performance room temperature NO ₂ sensors. <i>Nanoscale</i> , 2014, 6, 4063.	2.8	155
111	Architectures of favorite LiFe(PO ₄)(OH) _{0.5} F _{0.5} hierarchical microspheres and their lithium storage properties. <i>Nanoscale</i> , 2014, 6, 11041-11045.	2.8	12
112	High electrochemical performance based on the TiO ₂ nanobelt@few-layered MoS ₂ structure for lithium-ion batteries. <i>Nanoscale</i> , 2014, 6, 12350-12353.	2.8	78
113	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, 15905-15912.	4.0	212
114	High performance NiMoO ₄ nanowires supported on carbon cloth as advanced electrodes for symmetric supercapacitors. <i>Nano Energy</i> , 2014, 8, 174-182.	8.2	301
115	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.	2.6	88
116	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, 3854-3859.	11.1	744
117	Enhanced Sensitivity and Stability of Room-Temperature NH ₃ Sensors Using Core-Shell CeO ₂ Nanoparticles@Cross-linked PANI with –n Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14131-14140.	4.0	201
118	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.	5.2	121
119	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, 731-736.	4.0	137
120	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, 5050-5055.	4.0	198
121	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.	2.6	160
122	High-performance humidity sensors from Ni(SO ₄) _{0.3} (OH) _{1.4} nanobelts. <i>Nanoscale</i> , 2014, 6, 6521-6525.	2.8	11
123	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.	2.8	30
124	Surrounding Sensitive Electronic Properties of Bi ₂ Te ₃ Nanoplates – Potential Sensing Applications of Topological Insulators. <i>Scientific Reports</i> , 2014, 4, 4639.	1.6	22
125	High-performance room-temperature hydrogen sensors based on combined effects of Pd decoration and Schottky barriers. <i>Nanoscale</i> , 2013, 5, 2505.	2.8	58
126	Encapsulating Gold Nanoparticles or Nanorods in Graphene Oxide Shells as a Novel Gene Vector. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2715-2724.	4.0	89

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127	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.	8.2	278
128	Porous γ -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.	5.2	89
129	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.	2.8	242
130	NiMoO ₄ nanowires supported on Ni foam as novel advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9024.	5.2	185
131	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.	5.2	82
132	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.	2.8	149
133	Targeting Chemophotothermal Therapy of Hepatoma by Gold Nanorods/Graphene Oxide Core/Shell Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12911-12920.	4.0	123
134	γ -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, 895-898.	2.8	107
135	Nanomaterials for electrochemical non-enzymatic glucose biosensors. <i>RSC Advances</i> , 2013, 3, 3487.	1.7	315
136	Metal Oxide Nanowire Sensors with Complex Morphologies and Compositions. , 2013, , 345-364.		0
137	Amorphous tin-iron oxide thin films with 3D reticular porous morphology for lithium-ion batteries. <i>Crystal Research and Technology</i> , 2013, 48, 51-54.	0.6	3
138	Tailoring the subunits of γ -Fe ₂ O ₃ nanoplates for optimizing electrochemical performance. <i>Electrochimica Acta</i> , 2013, 113, 194-199.	2.6	22
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