Taihong Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Giant Thermopower of Hydrogen Ion Enhanced by a Strong Hydrogen Bond System. ACS Applied Materials & Interfaces, 2022, 14, 19304-19314.	8.0	17
2	Giant negative thermopower of ionic hydrogel by synergistic coordination and hydration interactions. Science Advances, 2021, 7, eabi7233.	10.3	81
3	Classification of Cognitive Impairment and Healthy Controls Based on Transcranial Magnetic Stimulation Evoked Potentials. Frontiers in Aging Neuroscience, 2021, 13, 804384.	3.4	2
4	Black phosphorus-based van der Waals heterostructures for mid-infrared light-emission applications. Light: Science and Applications, 2020, 9, 114.	16.6	100
5	Sâ€Doped Carbon Fibers Uniformly Embedded with Ultrasmall TiO ₂ for Na ⁺ /Li ⁺ Storage with High Capacity and Longâ€Time Stability. Small, 2019, 15, e1902201.	10.0	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.	7.8	34
7	Na/Liâ€Ion Batteries: Sâ€Doped Carbon Fibers Uniformly Embedded with Ultrasmall TiO ₂ for Na ⁺ /Li ⁺ Storage with High Capacity and Longâ€Time Stability (Small 38/2019). Small, 2019, 15, 1970207.	10.0	0
8	A highly selective and sensitive H ₂ S sensor at low temperatures based on Cr-doped α-Fe ₂ O ₃ nanoparticles. RSC Advances, 2019, 9, 4150-4156.	3.6	29
9	Fast-response ionogel humidity sensor for real-time monitoring of breathing rate. Materials Chemistry Frontiers, 2019, 3, 484-491.	5.9	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.	4.1	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.	10.3	35
12	Typeâ€Switchable Inverter and Amplifier Based on Highâ€Performance Ambipolar Blackâ€Phosphorus Transistors. Advanced Electronic Materials, 2019, 5, 1900133.	5.1	9
13	1D Nb-doped LiNi1/3Co1/3Mn1/3O2 nanostructures as excellent cathodes for Li-ion battery. Electrochimica Acta, 2019, 297, 258-266.	5.2	81
14	Construction of complex WO3-SnO2 hollow nanospheres as a high-performance anode for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 744, 375-380.	5.5	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.	6.0	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.	6.7	35
17	ZnO-carbon nanofibers for stable, high response, and selective H ₂ S sensors. Nanotechnology, 2018, 29, 275501.	2.6	29
18	S-doped carbon@TiO2 to store Li+/Na+ with high capacity and long life-time. Energy Storage Materials, 2018, 13, 215-222.	18.0	52

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19	Enhanced H2 gas sensing properties by Pd-loaded urchin-like W18O49 hierarchical nanostructures. Sensors and Actuators B: Chemical, 2018, 260, 900-907.	7.8	48

Flexible ReS2 nanosheets/N-doped carbon nanofibers-based paper as a universal anode for alkali (Li, Na,) Tj ETQq0 0.0 rgBT /Qverlock 10

21	Room-temperature H2 sensing interfered by CO based on interfacial effects in palladium-tungsten oxide nanoparticles. Sensors and Actuators B: Chemical, 2018, 254, 966-972.	7.8	21
22	Oxygen vacancy improves the hydrogen evolution reaction property of WO <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml14" display="inline" overflow="scroll" altimg="si14.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>a^^</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:mrow </mml:msub> nanosheets. Nano Structures Nano Objects. 2018, 15, 114-118</mml:math 	3.5 <td>19 1th></td>	19 1th>
23	Rapid synthesis of Cr-doped \hat{I}^3 -Fe2O3/reduced graphene oxide nanocomposites as high performance anode materials for lithium ionÂbatteries. Journal of Alloys and Compounds, 2018, 732, 270-279.	5.5	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. Inorganic Chemistry Frontiers, 2018, 5, 3053-3060.	6.0	10
25	Octopus tentacles-like WO3/C@CoO as high property and long life-time electrocatalyst for hydrogen evolution reaction. Electrochimica Acta, 2018, 281, 1-8.	5.2	25
26	General Airbrush‣praying/Electrospinning Strategy for Ultrahigh Arealâ€Capacity LiFePO ₄ â€Based Cathodes. ChemElectroChem, 2018, 5, 2330-2335.	3.4	10
27	A facile method to hunt for durable high-rate capability Na0.44MnO2. Journal of Power Sources, 2018, 395, 395-402.	7.8	32
28	The Improvement of SiO2 Nanoparticles on the Oxygen Reduction Reaction Property of Nitrogen-Doped Mesoporous Graphene Spheres Prepared by Spray Drying. Nanoscience and Nanotechnology Letters, 2018, 10, 200-206.	0.4	2
29	Janus particle-based microprobes: Determination of object orientation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 452-462.	4.7	7
30	LiFePO4mesocrystals coated with N-doped carbon from an ionic liquid for Li-ion batteries. CrystEngComm, 2017, 19, 1253-1257.	2.6	11
31	Rational design and synthesis of sandwich-like iron nitride-graphene composites as efficient catalysts for oxygen reduction reaction. International Journal of Hydrogen Energy, 2017, 42, 202-211.	7.1	10
32	Synthesis of electrocatalytically functional carbon honeycombs through cooking with molecule precursors. International Journal of Hydrogen Energy, 2017, 42, 6472-6481.	7.1	15
33	MOF-derived porous ZnO/ZnFe 2 O 4 hybrid nanostructures as advanced anode materials for lithium ion batteries. Materials Letters, 2017, 197, 241-244.	2.6	40
34	Reduced graphene oxide uniformly anchored with ultrafine CoMn 2 O 4 nanoparticles as advance anode materials for lithium and sodium storage. Journal of Alloys and Compounds, 2017, 716, 30-36.	5.5	27
35	3D reticular pomegranate-like CoMn 2 O 4 /C for ultrahigh rate lithium-ion storage with re-oxidation of manganese. Electrochimica Acta, 2017, 241, 244-251.	5.2	15
36	Pipe-Wire TiO ₂ –Sn@Carbon Nanofibers Paper Anodes for Lithium and Sodium Ion Batteries. Nano Letters, 2017, 17, 3830-3836.	9.1	272

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37	Single Nozzle Electrospinning Synthesized MoO ₂ @C Core Shell Nanofibers with High Capacity and Longâ€Term Stability for Lithiumâ€Ion Storage. Advanced Materials Interfaces, 2017, 4, 1600816.	3.7	73
38	CeO2/ionic liquid hybrid materials with enhanced humidity performance. Sensors and Actuators B: Chemical, 2017, 252, 870-876.	7.8	8
39	Energy Storage: A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na ⁺ Storage (Small 22/2017). Small, 2017, 13, .	10.0	8
40	Comparison of the electrochemical performance of iron hexacyanoferrate with high and low quality as cathode materials for aqueous sodium-ion batteries. Chemical Communications, 2017, 53, 6780-6783.	4.1	42
41	Functionalized horizontally aligned CNT array and random CNT network for CO2 sensing. Carbon, 2017, 117, 263-270.	10.3	35
42	A Phase‣eparation Route to Synthesize Porous CNTs with Excellent Stability for Na ⁺ Storage. Small, 2017, 13, 1604045.	10.0	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. Electrochimica Acta, 2017, 256, 63-72.	5.2	31
44	In-situ phase transition to form porous h-MoO3@C nanofibers with high stability for Li+/Na+ storage. Science China Materials, 2017, 60, 755-765.	6.3	25
45	Controlled synthesis of iron sulfide coated by carbon layer to improve lithium and sodium storage. Electrochimica Acta, 2017, 247, 1080-1087.	5.2	56
46	Design and synthesis of Cr2O3@C@G composites with yolk-shell structure for Li+ storage. Journal of Alloys and Compounds, 2017, 724, 406-412.	5.5	19
47	Gas modulating effect in room temperature ammonia sensing. Sensors and Actuators B: Chemical, 2017, 242, 404-411.	7.8	22
48	Ultra-fast and highly-sensitive gas sensing arising from thin SnO2 inner wall supported hierarchical bilayer oxide hollow spheres. Sensors and Actuators B: Chemical, 2017, 240, 349-357.	7.8	21
49	Aggregating complementary boundary contrast with smoothing for salient region detection. Visual Computer, 2017, 33, 1155-1167.	3.5	11
50	A Hybrid Chemical Reaction Optimization Algorithm for Bin Packing Problem. , 2017, , .		0
51	Rational combination of α-MnS/rGO nanocomposites for high-performance lithium-ion batteries. CrystEngComm, 2016, 18, 6200-6204.	2.6	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. ACS Applied Materials & Interfaces, 2016, 8, 9674-9683.	8.0	136
54	Muti-component nanocomposite of nickel and manganese oxides with enhanced stability and catalytic performance for non-enzymatic glucose sensors. Nanotechnology, 2016, 27, 255501.	2.6	6

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55	Long circulating reduced graphene oxide–iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. Nanoscale, 2016, 8, 12683-12692.	5.6	58
56	Metal–organic-framework-derived ZnO@C@NiCo ₂ O ₄ core–shell structures as an advanced electrode for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 8233-8241.	10.3	94
57	3D hierarchical CuO mesocrystals from ionic liquid precursors: towards better electrochemical performance for Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 8402-8411.	10.3	61
58	Multifunctional Cr 2 O 3 quantum nanodots to improve the lithium-ion storage performance of free-standing carbon nanofiber networks. Electrochimica Acta, 2016, 217, 55-61.	5.2	26
59	H x MoO 3 nanobelts with better performance as anode in lithium-ion batteries. Electrochimica Acta, 2016, 213, 641-647.	5.2	15
60	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Grapheneâ€Like Nanosheets for Liâ€S Batteries. Advanced Functional Materials, 2016, 26, 8952-8959.	14.9	159
61	The effect of loading density of nickel-cobalt sulfide arrays on their cyclic stability and rate performance for supercapacitors. Science China Materials, 2016, 59, 629-638.	6.3	28
62	Facile synthesis of carbon nanofibers/MnO2 nanosheets as high-performance electrodes for asymmetric supercapacitors. Electrochimica Acta, 2016, 210, 754-761.	5.2	115
63	Highly chemoresistive humidity sensing using poly(ionic liquid)s. Chemical Communications, 2016, 52, 8417-8419.	4.1	44
64	Enhanced selective acetone sensing characteristics based on Co-doped WO3 hierarchical flower-like nanostructures assembled with nanoplates. Sensors and Actuators B: Chemical, 2016, 235, 614-621.	7.8	70
65	Electrospinning Synthesis of Ni°, Fe° Codoped Ultrafine-ZnFe2O4/C Nanofibers and Their Properties for Lithium Ion Storage. Electrochimica Acta, 2016, 194, 357-366.	5.2	41
66	Growth of NiCo ₂ O ₄ @MnMoO ₄ Nanocolumn Arrays with Superior Pseudocapacitor Properties. ACS Applied Materials & Interfaces, 2016, 8, 8568-8575.	8.0	100
67	In-situ fabrication of reduced graphene oxide (rGO)/ZnO heterostructure: surface functional groups induced electrical properties. Electrochimica Acta, 2016, 196, 558-564.	5.2	24
68	Rational synthesis of metal–organic framework composites, hollow structures and their derived porous mixed metal oxide hollow structures. Journal of Materials Chemistry A, 2016, 4, 183-192.	10.3	77
69	Electrospun CeO 2 nanoparticles/PVP nanofibers based high-frequency surface acoustic wave humidity sensor. Sensors and Actuators B: Chemical, 2016, 223, 730-737.	7.8	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. International Materials Reviews, 2015, 60, 330-352.	19.3	93

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73	Ionic liquid-assisted fabrication of copper hydroxyphosphate nanocrystals with exposed {100} facets for enhanced photocatalytic activity. Nanotechnology, 2015, 26, 031001.	2.6	7
74	Tin dioxide dodecahedral nanocrystals anchored on graphene sheets with enhanced electrochemical performance for lithium-ion batteries. Electrochimica Acta, 2015, 159, 46-51.	5.2	28
75	Enhanced electrochemical performance of CoMoO4 nanorods/reduced graphene oxide as anode material for lithium-ion batteries. Electrochimica Acta, 2015, 158, 327-332.	5.2	92
76	NiMoO ₄ nanowire @ MnO ₂ nanoflake core/shell hybrid structure aligned on carbon cloth for high-performance supercapacitors. RSC Advances, 2015, 5, 10681-10687.	3.6	37
77	Reprint of "A layer-by-layer deposition strategy of fabricating NiO@rGO composites for advanced electrochemical capacitors― Electrochimica Acta, 2015, 172, 37-41.	5.2	2
78	Facile approach to prepare porous GeO2/SnO2 nanofibers via a single spinneret electrospinning technique as anodes for Lithium-ion batteries. Ceramics International, 2015, 41, 10308-10313.	4.8	23
79	Non-enzymatic electrochemical glucose sensor based on NiMoO ₄ nanorods. Nanotechnology, 2015, 26, 145501.	2.6	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. Journal of Materials Chemistry A, 2015, 3, 12672-12679.	10.3	33
81	The structure control of ZnS/graphene composites and their excellent properties for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 13384-13389.	10.3	172
82	Rational synthesis of ZnMn ₂ O ₄ porous spheres and graphene nanocomposite with enhanced performance for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 11430-11436.	10.3	57
83	High performance humidity sensors based on CeO2 nanoparticles. Sensors and Actuators B: Chemical, 2015, 215, 125-132.	7.8	67
84	Fixing graphene-Mn3O4 nanosheets on carbon cloth by a poles repel-assisted method to prepare flexible binder-free electrodes for supercapacitors. Electrochimica Acta, 2015, 180, 983-989.	5.2	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. Journal of Materials Chemistry C, 2015, 3, 9902-9909.	5.5	21
86	Temperature-Dependent Abnormal and Tunable p-n Response of Tungsten Oxide–Tin Oxide Based Gas Sensors. ACS Applied Materials & Interfaces, 2015, 7, 24887-24894.	8.0	39
87	Construction of hierarchical CoS nanowire@NiCo ₂ S ₄ nanosheet arrays via one-step ion exchange for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 24033-24040.	10.3	119
88	Hierarchical CuCo ₂ O ₄ nanowire@NiCo ₂ O ₄ nanosheet core/shell arrays for high-performance supercapacitors. RSC Advances, 2015, 5, 69636-69641.	3.6	53
89	Hierarchical porous carbon microrods composed of vertically aligned graphene-like nanosheets for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19800-19806.	10.3	62
90	Encapsulating Sn _{<i>x</i>} Sb Nanoparticles in Multichannel Graphene-Carbon Fibers As Flexible Anodes to Store Lithium Ions with High Capacities. ACS Applied Materials & Interfaces, 2015, 7, 21890-21897.	8.0	40

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91	High performance and negative temperature coefficient of low temperature hydrogen gas sensors using palladium decorated tungsten oxide. Journal of Materials Chemistry A, 2015, 3, 1317-1324.	10.3	90
92	Ionic liquid-modulated preparation of hexagonal tungsten trioxide mesocrystals for lithium-ion batteries. Nanoscale, 2015, 7, 2230-2234.	5.6	61
93	Construction of desirable NiCo2S4 nanotube arrays on nickel foam substrate for pseudocapacitors with enhanced performance. Electrochimica Acta, 2015, 151, 35-41.	5.2	206
94	Facile Synthesis of Graphene@NiO/MoO3 Composite Nanosheet Arrays for High-performance Supercapacitors. Electrochimica Acta, 2015, 151, 510-516.	5.2	47
95	A layer-by-layer deposition strategy of fabricating NiO@rGO composites for advanced electrochemical capacitors. Electrochimica Acta, 2015, 152, 378-382.	5.2	26
96	Construction of 3D flower-like MoS2 spheres with nanosheets as anode materials for high-performance lithium ion batteries. Electrochimica Acta, 2014, 115, 165-169.	5.2	90
97	Enhanced performance of supercapacitors with ultrathin mesoporous NiMoO4 nanosheets. Electrochimica Acta, 2014, 125, 294-301.	5.2	116
98	High-temperature humidity sensors based on WO ₃ –SnO ₂ composite hollow nanospheres. Journal of Materials Chemistry A, 2014, 2, 6854-6862.	10.3	84
99	Facile hydrothermal synthesis of hierarchical ultrathin mesoporous NiMoO4 nanosheets for high performance supercapacitors. Electrochimica Acta, 2014, 115, 358-363.	5.2	110
100	Porous NiCo2O4-reduced graphene oxide (rGO) composite with superior capacitance retention for supercapacitors. Electrochimica Acta, 2014, 132, 332-337.	5.2	76
101	Room-temperature hydrogen sensor based on grain-boundary controlled Pt decorated In2O3 nanocubes. Sensors and Actuators B: Chemical, 2014, 201, 351-359.	7.8	68
102	Hierarchical mushroom-like CoNi2S4 arrays as a novel electrode material for supercapacitors. Nano Energy, 2014, 3, 36-45.	16.0	265
103	Improved room-temperature hydrogen sensing performance of directly formed Pd/WO3 nanocomposite. Sensors and Actuators B: Chemical, 2014, 193, 28-34.	7.8	81
104	Reduced graphene oxide networks as an effective buffer matrix to improve the electrode performance of porous NiCo2O4 nanoplates for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 4449.	10.3	131
105	A nanocomposite of tin dioxide octahedral nanocrystals exposed to high-energy facets anchored onto graphene sheets for high performance lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 13990.	10.3	32
106	Construction of unique NiCo2O4 nanowire@CoMoO4 nanoplate core/shell arrays on Ni foam for high areal capacitance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 4954.	10.3	134
107	Facile synthesis of well-ordered manganese oxide nanosheet arrays on carbon cloth for high-performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 8833.	10.3	76
108	Ethanol-sensing performance of tin dioxide octahedral nanocrystals with exposed high-energy {111} and {332} facets. Journal of Materials Chemistry A, 2014, 2, 10623.	10.3	46

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109	Strongly coupled hybrid nanostructures for selective hydrogen detection – understanding the role of noble metals in reducing cross-sensitivity. Nanoscale, 2014, 6, 4758-4764.	5.6	12
110	Plate-like p–n heterogeneous NiO/WO3 nanocomposites for high performance room temperature NO2 sensors. Nanoscale, 2014, 6, 4063.	5.6	155
111	Architectures of tavorite LiFe(PO ₄)(OH) _{0.5} F _{0.5} hierarchical microspheres and their lithium storage properties. Nanoscale, 2014, 6, 11041-11045.	5.6	12
112	High electrochemical performance based on the TiO ₂ nanobelt@few-layered MoS ₂ structure for lithium-ion batteries. Nanoscale, 2014, 6, 12350-12353.	5.6	78
113	High-Performance Supercapacitor Electrode Based on the Unique ZnO@Co ₃ O ₄ Core/Shell Heterostructures on Nickel Foam. ACS Applied Materials & Interfaces, 2014, 6, 15905-15912.	8.0	212
114	High performance NiMoO4 nanowires supported on carbon cloth as advanced electrodes for symmetric supercapacitors. Nano Energy, 2014, 8, 174-182.	16.0	301
115	Morphology controlled synthesis of NiCo 2 O 4 nanosheet array nanostructures on nickel foam and their application for pseudocapacitors. Electrochimica Acta, 2014, 142, 118-124.	5.2	88
116	Layered SnS ₂ â€Reduced Graphene Oxide Composite – A Highâ€Capacity, Highâ€Rate, and Longâ€Cycle Life Sodiumâ€Ion Battery Anode Material. Advanced Materials, 2014, 26, 3854-3859.	21.0	744
117	Enhanced Sensitivity and Stability of Room-Temperature NH ₃ Sensors Using Core–Shell CeO ₂ Nanoparticles@Cross-linked PANI with p–n Heterojunctions. ACS Applied Materials & Interfaces, 2014, 6, 14131-14140.	8.0	201
118	Flexible CoO–graphene–carbon nanofiber mats as binder-free anodes for lithium-ion batteries with superior rate capacity and cyclic stability. Journal of Materials Chemistry A, 2014, 2, 5890-5897.	10.3	121
119	High-Performance Lithium-Ion Battery Anode by Direct Growth of Hierarchical ZnCo ₂ O ₄ Nanostructures on Current Collectors. ACS Applied Materials & Interfaces, 2014, 6, 731-736.	8.0	137
120	Three-Dimensional Co ₃ O ₄ @NiMoO ₄ Core/Shell Nanowire Arrays on Ni Foam for Electrochemical Energy Storage. ACS Applied Materials & Interfaces, 2014, 6, 5050-5055.	8.0	198
121	Simple method for the preparation of highly porous ZnCo2O4 nanotubes with enhanced electrochemical property for supercapacitor. Electrochimica Acta, 2014, 123, 450-455.	5.2	160
122	High-performance humidity sensors from Ni(SO ₄) _{0.3} (OH) _{1.4} nanobelts. Nanoscale, 2014, 6, 6521-6525.	5.6	11
123	Hydrothermal synthesis of α-Ni(OH)2 and its conversion to NiO with electrochemical properties. Journal of Alloys and Compounds, 2014, 582, 328-333.	5.5	30
124	Surrounding Sensitive Electronic Properties of Bi2Te3 Nanoplates—Potential Sensing Applications of Topological Insulators. Scientific Reports, 2014, 4, 4639.	3.3	22
125	High-performance room-temperature hydrogen sensors based on combined effects of Pd decoration and Schottky barriers. Nanoscale, 2013, 5, 2505.	5.6	58
126	Encapsulating Gold Nanoparticles or Nanorods in Graphene Oxide Shells as a Novel Gene Vector. ACS Applied Materials & Interfaces, 2013, 5, 2715-2724.	8.0	89

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127	Nanoforest of hierarchical Co3O4@NiCo2O4 nanowire arrays for high-performance supercapacitors. Nano Energy, 2013, 2, 586-594.	16.0	278
128	Porous α-Fe2O3 nanosphere-based H2S sensor with fast response, high selectivity and enhanced sensitivity. Journal of Materials Chemistry A, 2013, 1, 12400.	10.3	89
129	High-performance supercapacitor and lithium-ion battery based on 3D hierarchical NH4F-induced nickel cobaltate nanosheet–nanowire cluster arrays as self-supported electrodes. Nanoscale, 2013, 5, 9812.	5.6	242
130	NiMoO4 nanowires supported on Ni foam as novel advanced electrodes for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 9024.	10.3	185
131	WO3 nanoparticles decorated on both sidewalls of highly porous TiO2 nanotubes to improve UV and visible-light photocatalysis. Journal of Materials Chemistry A, 2013, 1, 3900.	10.3	82
132	CoO–carbon nanofiber networks prepared by electrospinning as binder-free anode materials for lithium-ion batteries with enhanced properties. Nanoscale, 2013, 5, 12342.	5.6	149
133	Targeting Chemophotothermal Therapy of Hepatoma by Gold Nanorods/Graphene Oxide Core/Shell Nanocomposites. ACS Applied Materials & Interfaces, 2013, 5, 12911-12920.	8.0	123
134	α-Fe ₂ O ₃ nanochains: ammonium acetate-based ionothermal synthesis and ultrasensitive sensors for low-ppm-level H ₂ S gas. Nanoscale, 2013, 5, 895-898.	5.6	107
135	Nanomaterials for electrochemical non-enzymatic glucose biosensors. RSC Advances, 2013, 3, 3487.	3.6	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 lithiumâ€ion batteries. Crystal Research and Technology, 2013, 48, 51-54.	1.3	3
138	Tailoring the subunits of α-Fe2O3 nanoplates for optimizing electrochemical performance. Electrochimica Acta, 2013, 113, 194-199.	5.2	22
139	Hierarchical tin-based microspheres: Solvothermal synthesis, chemical conversion, mechanism and application in lithium ion batteries. Electrochimica Acta, 2013, 106, 386-391.	5.2	17
140	Comparison of the Electrochemical Performance of NiMoO ₄ Nanorods and Hierarchical Nanospheres for Supercapacitor Applications. ACS Applied Materials & Interfaces, 2013, 5, 12905-12910.	8.0	267
141	Preparation of 3D flower-like NiO hierarchical architectures and their electrochemical properties in lithium-ion batteries. Electrochimica Acta, 2013, 90, 80-89.	5.2	90
142	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. Nanoscale, 2013, 5, 2835.	5.6	13
143	Homogenous incorporation of SnO2 nanoparticles in carbon cryogels via the thermal decomposition of stannous sulfate and their enhanced lithium-ion intercalation properties. Nano Energy, 2013, 2, 769-778.	16.0	54
144	Facile synthesis of uniform mesoporous ZnCo2O4 microspheres as a high-performance anode material for Li-ion batteries. Journal of Materials Chemistry A, 2013, 1, 5596.	10.3	250

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145	Gram-scale synthesis of ultrasmall SnO2 nanocrystals with an excellent electrochemical performance. Nanoscale, 2013, 5, 3262.	5.6	48
146	Synthesis of Bacteria Promoted Reduced Graphene Oxide-Nickel Sulfide Networks for Advanced Supercapacitors. ACS Applied Materials & amp; Interfaces, 2013, 5, 7335-7340.	8.0	130
147	Indium-tin-oxide thin film transistor biosensors for label-free detection of avian influenza virus H5N1. Analytica Chimica Acta, 2013, 773, 83-88.	5.4	55
148	Facile synthesis and excellent electrochemical properties of CoMoO4 nanoplate arrays as supercapacitors. Journal of Materials Chemistry A, 2013, 1, 7247.	10.3	246
149	Rational design of Au–NiO hierarchical structures with enhanced rate performance for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 7023.	10.3	50
150	Superior electrochemical performance of ultrasmall SnS2 nanocrystals decorated on flexible RGO in lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 8658.	10.3	110
151	Hierarchical Mo-decorated Co3O4 nanowire arrays on Ni foam substrates for advanced electrochemical capacitors. Journal of Materials Chemistry A, 2013, 1, 8593.	10.3	84
152	Humidity sensing properties of a single Sb doped SnO2 nanowire field effect transistor. Sensors and Actuators B: Chemical, 2013, 186, 78-83.	7.8	48
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154	Carbon and graphene double protection strategy to improve the SnOx electrode performance anodes for lithium-ion batteries. Nanoscale, 2013, 5, 5499.	5.6	85
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