

Changhui Zhao

List of Publications by Year in descending order

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papers

3,427
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201674

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docs citations

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times ranked

5543
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and Efficient Detection of NH ₃ at Room Temperature Using CuO/WS ₂ Nanohybrids. IEEE Sensors Journal, 2022, 22, 12539-12546.	4.7	6
2	An In ₂ O ₃ Nanotubes based Gas Sensor Array combined with Machine Learning Algorithms for Trimethylamine Detection. , 2021, , .		1
3	Tunable Humidity-Sensing Performance of Graphene Oxide With Leaf-Vein-Like Multiwall Carbon Nanotube Conductive Networks. IEEE Sensors Journal, 2021, 21, 18469-18476.	4.7	5
4	Synthesis of low vacancies PB with high electrochemical performance using a facile method. Materials Technology, 2020, 35, 759-766.	3.0	5
5	Ultrasensitive SO ₂ sensor for sub-ppm detection using Cu-doped SnO ₂ nanosheet arrays directly grown on chip. Sensors and Actuators B: Chemical, 2020, 324, 128745.	7.8	56
6	Construction of 1D/2D <i>±</i> -Fe ₂ O ₃ /SnO ₂ Hybrid Nanoarrays for Sub-ppm Acetone Detection. Research, 2020, 2020, 2196063.	5.7	21
7	Electrospun Ca-doped In ₂ O ₃ nanotubes for ethanol detection with enhanced sensitivity and selectivity. Sensors and Actuators B: Chemical, 2019, 299, 126946.	7.8	55
8	High Sensitivity Gas Sensor Based on Porous GaN Nanorods with Excellent High-Temperature Stability. , 2019, , .		1
9	A Micro-Hotplate for Mems-Based H ₂ s Sensor. , 2019, , .		1
10	Hierarchical Assembly of <i>±</i> -Fe ₂ O ₃ Nanorods on SnO ₂ Nanosheet Arrays for Acetone Detection at Sub-ppm Level. , 2019, , .		0
11	Morphology-dependent electrochemical properties of cobalt-based metal organic frameworks for supercapacitor electrode materials. Electrochimica Acta, 2018, 267, 170-180.	5.2	161
12	Enhanced electrochemical properties of cerium metal-organic framework based composite electrodes for high-performance supercapacitor application. RSC Advances, 2018, 8, 3462-3469.	3.6	128
13	Structural Transformation of Mo-Doped In ₂ O ₃ Nanotubes by Electron-Beam Irradiation. IEEE Nanotechnology Magazine, 2018, 17, 705-708.	2.0	3
14	Enhanced gas-sensing performance of ZnO@In ₂ O ₃ core@shell nanofibers prepared by coaxial electrospinning. Sensors and Actuators B: Chemical, 2018, 255, 2248-2257.	7.8	121
15	Highly sensitive acetone-sensing properties of Pt-decorated CuFe ₂ O ₄ nanotubes prepared by electrospinning. Ceramics International, 2018, 44, 2856-2863.	4.8	59
16	Facile synthesis of SnO ₂ hierarchical porous nanosheets from graphene oxide sacrificial scaffolds for high-performance gas sensors. Sensors and Actuators B: Chemical, 2018, 258, 492-500.	7.8	89
17	Synthesis of Hollow Nano-Structured Cobalt Metal-Organic Framework for Supercapacitor Electrodes. , 2018, , .		4
18	Influence of synthesis temperature on cobalt metal-organic framework (Co-MOF) formation and its electrochemical performance towards supercapacitor electrodes. Journal of Solid State Electrochemistry, 2018, 22, 3873-3881.	2.5	68

#	ARTICLE	IF	CITATIONS
19	On-Chip Growth of SnO ₂ /ZnO Core-Shell Nanosheet Arrays for Ethanol Detection. IEEE Electron Device Letters, 2018, 39, 1065-1068.	3.9	37
20	A high performance all-solid-state flexible supercapacitor based on carbon nanotube fiber/carbon nanotubes/polyaniline with a double core-sheathed structure. Electrochimica Acta, 2018, 283, 366-373.	5.2	73
21	Hydrogen sulfide detection properties of Pt-gated AlGaIn/GaN HEMT-sensor. Sensors and Actuators B: Chemical, 2018, 274, 636-644.	7.8	24
22	Enhanced ethanol sensing properties of NiO@ZnO core-shell nanofibers with P-N heterojunction. , 2017, , .		0
23	Fabrication of MoO _x -decorated In ₂ O ₃ nanotubes by electron-beam irradiation. , 2017, , .		0
24	Pt-AlGaIn/GaN HEMT-sensor layout optimization for enhancement of hydrogen detection. , 2017, , .		1
25	Pt-AlGaIn/GaN HEMT-Sensor for Hydrogen Sulfide (H ₂ S) Detection. Proceedings (mdpi), 2017, 1, .	0.2	3
26	Grain refining effect of calcium dopants on gas-sensing properties of electrospun Fe_2O_3 nanotubes. Sensors and Actuators B: Chemical, 2016, 231, 552-560.	7.8	33
27	Growth of zinc cobaltate nanoparticles and nanorods on reduced graphene oxide porous networks toward high-performance supercapacitor electrodes. Journal of Alloys and Compounds, 2016, 668, 1-7.	5.5	24
28	Doping effect of In ₂ O ₃ on structural and ethanol-sensing characteristics of ZnO nanotubes fabricated by electrospinning. Applied Surface Science, 2015, 349, 615-621.	6.1	57
29	Facile hydrothermal synthesis of flowerlike ZnCo ₂ O ₄ microspheres as binder-free electrodes for supercapacitors. Materials Letters, 2015, 149, 1-4.	2.6	79
30	Cobalt sulfide nanosheets coated on NiCo ₂ S ₄ nanotube arrays as electrode materials for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 10492-10497.	10.3	161
31	Fabrication of porous nanosheet-based Co ₃ O ₄ hollow nanocubes for electrochemical capacitors with high rate capability. Electrochimica Acta, 2015, 178, 555-563.	5.2	45
32	Facilitated transport channels in carbon nanotube/carbon nanofiber hierarchical composites decorated with manganese dioxide for flexible supercapacitors. Journal of Power Sources, 2015, 274, 709-717.	7.8	79
33	Improving gas-sensing properties of electrospun In ₂ O ₃ nanotubes by Mg acceptor doping. Sensors and Actuators B: Chemical, 2015, 207, 313-320.	7.8	76
34	Luminescent enhancement in ZrO ₂ :Tb ³⁺ , Gd ³⁺ -nanoparticles by active-shell modification. CrystEngComm, 2014, 16, 1378-1383.	2.6	6
35	Synthesis of porous Co ₃ O ₄ nanonetworks to detect toluene at low concentration. Physical Chemistry Chemical Physics, 2014, 16, 19327-19332.	2.8	30
36	Effects of SnO ₂ additives on nanostructure and gas-sensing properties of Fe_2O_3 nanotubes. Sensors and Actuators B: Chemical, 2014, 195, 486-493.	7.8	65

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37	Enhanced photoelectrochemical sensor based on ZnO@SnO ₂ composite nanotubes. <i>Journal of Alloys and Compounds</i> , 2014, 614, 373-378.	5.5	18
38	Enhanced photocatalytic activity of TiO ₂ /carbon@TiO ₂ core-shell nanocomposite prepared by two-step hydrothermal method. <i>Applied Surface Science</i> , 2014, 311, 384-390.	6.1	27
39	Enhanced Gas Sensing Performance of Electrospun Pt-Functionalized NiO Nanotubes with Chemical and Electronic Sensitization. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7410-7416.	8.0	169
40	Solvent effect on electrospinning of nanotubes: The case of magnesium ferrite. <i>Journal of Alloys and Compounds</i> , 2013, 577, 97-102.	5.5	22
41	Facilitated charge transport in ternary interconnected electrodes for flexible supercapacitors with excellent power characteristics. <i>Nanoscale</i> , 2013, 5, 11733.	5.6	62
42	Electrospun In ₂ O ₃ /Fe ₂ O ₃ heterostructure nanotubes for highly sensitive gas sensor applications. <i>CrystEngComm</i> , 2013, 15, 6491.	2.6	68
43	Wire-in-tube structure fabricated by single capillary electrospinning via nanoscale Kirkendall effect: the case of nickel-zinc ferrite. <i>Nanoscale</i> , 2013, 5, 12551.	5.6	46
44	Freestanding Three-Dimensional Graphene/MnO ₂ Composite Networks As Ultralight and Flexible Supercapacitor Electrodes. <i>ACS Nano</i> , 2013, 7, 174-182.	14.6	1,336
45	Enhanced ethanol sensing performance of porous ultrathin NiO nanosheets with neck-connected networks. <i>RSC Advances</i> , 2013, 3, 4018.	3.6	67
46	Preparation of carbon@TiO ₂ nanocomposites by a hydrothermal method and their enhanced photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 24644.	3.6	35