Guang Sun

List of Publications by Year
in descending order

59 papers	2,403 citations	159585 30 h-index	206112 48 g-index
59 all docs	59 docs citations	59 times ranked	1941 citing authors

#	Article	IF	Citations
1	Construction of Zn2SnO4 decorated ZnO nanoparticles for sensing triethylamine with dramatically enhanced performance. Materials Science in Semiconductor Processing, 2022, 140, 106403.	4.0	11
2	Boosting TEA sensing performance of ZnO porous hollow spheres via in situ construction of ZnS-ZnO heterojunction. Sensors and Actuators B: Chemical, 2022, 364, 131883.	7.8	23
3	Improved TEA Sensitivity and Selectivity of In2O3 Porous Nanospheres by Modification with Ag Nanoparticles. Nanomaterials, 2022, 12, 1532.	4.1	7
4	Temperature-dependent dual selectivity of hierarchical porous In2O3 nanospheres for sensing ethanol and TEA. Sensors and Actuators B: Chemical, 2021, 330, 129271.	7.8	55
5	Synthesis of spindle-like Co-doped LaFeO3 porous microstructure for high performance n-butanol sensor. Sensors and Actuators B: Chemical, 2021, 343, 130125.	7.8	37
6	Enhanced CH4 sensitivity of porous nanosheets-assembled ZnO microflower by decoration with Zn2SnO4. Sensors and Actuators B: Chemical, 2020, 304, 127374.	7.8	42
7	Bi-doped urchin-like In2O3 hollow spheres: Synthesis and improved gas sensing and visible-light photocatalytic properties. Sensors and Actuators B: Chemical, 2020, 321, 128623.	7.8	35
8	Hydrothermally synthesized porous ZnO nanosheets for methane sensing at lower temperature. Journal of Porous Materials, 2020, 27, 1363-1368.	2.6	7
9	TiO2/ZnCo2O4 porous nanorods: Synthesis and temperature-dependent dual selectivity for sensing HCHO and TEA. Sensors and Actuators B: Chemical, 2020, 321, 128461.	7.8	59
10	Synthesis of urchin-like In2O3 hollow spheres for selective and quantitative detection of formaldehyde. Sensors and Actuators B: Chemical, 2019, 298, 126889.	7.8	69
11	Hydrothermally synthesized ZnO hierarchical structure for lower concentration methane sensing. Materials Letters, 2019, 254, 242-245.	2.6	14
12	Synthesis of NiO-decorated ZnO porous nanosheets with improved CH4 sensing performance. Applied Surface Science, 2019, 497, 143811.	6.1	53
13	Enhanced TEA sensing properties of nest-like ZnO by decoration with Au. Materials Research Express, 2019, 6, 105910.	1.6	4
14	Synthesis of g-C3N4-Decorated ZnO Porous Hollow Microspheres for Room-Temperature Detection of CH4 under UV-Light Illumination. Nanomaterials, 2019, 9, 1507.	4.1	17
15	Ti₃C₂ MXene-Based Sensors with High Selectivity for NH₃ Detection at Room Temperature. ACS Sensors, 2019, 4, 2763-2770.	7.8	355
16	Enhanced triethylamine gas sensing performance of the porous Zn2SnO4/SnO2 hierarchical microspheres. Journal of Alloys and Compounds, 2019, 785, 382-390.	5.5	37
17	Synthesis of a Flower-Like g-C3N4/ZnO Hierarchical Structure with Improved CH4 Sensing Properties. Nanomaterials, 2019, 9, 724.	4.1	41
18	Enhanced methane sensing properties of porous NiO nanaosheets by decorating with SnO2. Sensors and Actuators B: Chemical, 2019, 288, 373-382.	7.8	55

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19	Improving methane gas sensing performance of flower-like SnO2 decorated by WO3 nanoplates. Talanta, 2019, 199, 603-611.	5.5	59
20	Enhanced Methane Sensing Properties of WO3 Nanosheets with Dominant Exposed (200) Facet via Loading of SnO2 Nanoparticles. Nanomaterials, 2019, 9, 351.	4.1	27
21	Enhanced CH4 sensing properties of Pd modified ZnO nanosheets. Ceramics International, 2019, 45, 13150-13157.	4.8	77
22	Single-crystalline porous nanoplates-assembled ZnO hierarchical microstructure with superior TEA sensing properties. Sensors and Actuators B: Chemical, 2019, 290, 607-615.	7.8	55
23	One-step synthesis of Ag/SnO2/rGO nanocomposites and their trimethylamine sensing properties. Materials Research Bulletin, 2019, 114, 61-67.	5.2	19
24	Synthesis of porous nanosheets-assembled ZnO/ZnCo2O4 hierarchical structure for TEA detection. Sensors and Actuators B: Chemical, 2019, 287, 199-208.	7.8	134
25	Hydrothermal Synthesis of Co3O4/ZnO Hybrid Nanoparticles for Triethylamine Detection. Nanomaterials, 2019, 9, 1599.	4.1	47
26	Facile synthesis of Co3O4 nanochains and their improved TEA sensing performance by decorating with Au nanoparticles. Journal of Alloys and Compounds, 2019, 776, 782-790.	5.5	40
27	Highly stable hole-conductor-free perovskite solar cells based upon ammonium chloride and a carbon electrode. Journal of Colloid and Interface Science, 2019, 540, 315-321.	9.4	22
28	In situ decoration of Zn2SnO4 nanoparticles on reduced graphene oxide for high performance ethanol sensor. Ceramics International, 2018, 44, 6836-6842.	4.8	38
29	Continuously improved gas-sensing performance of SnO2/Zn2SnO4 porous cubes by structure evolution and further NiO decoration. Sensors and Actuators B: Chemical, 2018, 255, 2936-2943.	7.8	44
30	Synthesis and characterization of monodisperse hollow SnO2 microspheres and their enhanced sensing properties to ethanol. Journal of Porous Materials, 2018, 25, 1099-1104.	2.6	2
31	Facile synthesis of ZnFe2O4/Î±-Fe2O3 porous microrods with enhanced TEA-sensing performance. Journal of Alloys and Compounds, 2018, 737, 255-262.	5.5	62
32	Improved TEA sensing performance of ZnCo2O4 by structure evolution from porous nanorod to single-layer nanochain. Sensors and Actuators B: Chemical, 2018, 277, 544-554.	7.8	32
33	Carbon Nitride Decorated Ball-Flower like Co3O4 Hybrid Composite: Hydrothermal Synthesis and Ethanol Gas Sensing Application. Nanomaterials, 2018, 8, 132.	4.1	55
34	Improved formaldehyde-sensing performance of SnO2/Zn2SnO4 nanocomposites by structural evolution. Materials Letters, 2017, 191, 145-149.	2.6	18
35	Synthesis of g-C₃N₄ nanosheet modified SnO₂ composites with improved performance for ethanol gas sensing. RSC Advances, 2017, 7, 25504-25511.	3.6	62
36	Cocoon-like ZnO decorated graphitic carbon nitride nanocomposite: Hydrothermal synthesis and ethanol gas sensing application. Materials Letters, 2017, 198, 76-80.	2.6	68

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37	Synthesis, characterization, and gas-sensing properties of Ag/SnO2/rGO composite by a hydrothermal method. Journal of Materials Science: Materials in Electronics, 2017, 28, 17049-17057.	2.2	15
38	Solid-State Method Synthesis of SnO2-Decorated g-C3N4 Nanocomposites with Enhanced Gas-Sensing Property to Ethanol. Materials, 2017, 10, 604.	2.9	87
39	Calcination Method Synthesis of SnO2/g-C3N4 Composites for a High-Performance Ethanol Gas Sensing Application. Nanomaterials, 2017, 7, 98.	4.1	39
40	Synthesis and Enhanced Ethanol Gas Sensing Properties of the g-C3N4 Nanosheets-Decorated Tin Oxide Flower-Like Nanorods Composite. Nanomaterials, 2017, 7, 285.	4.1	23
41	Facile Synthesis, Characterization, and Visible-light Photocatalytic Activities of 3D Hierarchical Bi2S3 Architectures Assembled by Nanoplatelets. Crystals, 2016, 6, 140.	2.2	11
42	Synthesis, characterization and thermal stability of CeO2 stabilized ZrO2 ultra fine nanoparticles via a sol-gel route. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 1245-1249.	1.0	2
43	Synthesis and triethylamine sensing properties of mesoporous Î±-Fe2O3 microrods. Materials Letters, 2016, 178, 213-216.	2.6	90
44	Synthesis and enhanced gas sensing properties of flower-like ZnO nanorods decorated with discrete CuO nanoparticles. Materials Letters, 2016, 176, 13-16.	2.6	19
45	Synthesis and improved gas sensing properties of NiO-decorated SnO2 microflowers assembled with porous nanorods. Sensors and Actuators B: Chemical, 2016, 233, 180-192.	7.8	70
46	Synthesis and characterization of hierarchical porous SnO2 for enhancing ethanol sensing properties. Applied Surface Science, 2016, 363, 560-565.	6.1	57
47	Solvothermal synthesis and characterization of porous zinc hydroxystannate microspheres. Materials Letters, 2015, 150, 105-107.	2.6	13
48	Actinomorphic ZnO/SnO2 coreâ€“shell nanorods: Two-step synthesis and enhanced ethanol sensing propertied. Materials Letters, 2015, 160, 227-230.	2.6	17
49	Hydrothermal synthesis and visible-light photocatalytic activities of SnS2 nanoflakes. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 276-281.	1.0	2
50	Synthesis, Characterization and Gas Sensing Properties of Ag-doped α-Fe₂O₃ by Solid-state Grinding Method. Current Nanoscience, 2015, 11, 419-423.	1.2	3
51	Solvothermal synthesis and characterization of ultrathin SnO nanosheets. Materials Letters, 2014, 118, 69-71.	2.6	20
52	High open circuit voltages of solar cells based on quantum dot and dye hybrid-sensitization. Applied Physics Letters, 2014, 104, 013901.	3.3	4
53	Mesoporous Coâ€“Feâ€“O nanocatalysts: Preparation, characterization and catalytic carbon monoxide oxidation. Journal of Environmental Chemical Engineering, 2014, 2, 477-483.	6.7	19
54	Homogeneous precipitation method preparation of modified red mud supported Ni mesoporous catalysts for ammonia decomposition. Catalysis Science and Technology, 2014, 4, 361-368.	4.1	58

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55	Synthesis and enhanced gas sensing properties of flower-like SnO 2 hierarchical structures decorated with discrete ZnO nanoparticles. Journal of Alloys and Compounds, 2014, 617, 192-199.	5.5	32
56	Synthesis, characterization, and gas-sensing properties of monodispersed SnO2 nanocubes. Applied Physics Letters, 2014, 105, .	3.3	11
57	Hydrothermal synthesis of honeycomb-like SnO hierarchical microstructures assembled with nanosheets. Materials Letters, 2013, 98, 234-237.	2.6	15
58	Mesoporous CuO/ZrO2 nanocatalysts: synthesis, characterization and low-temperature CO oxidation activities. Journal of Porous Materials, 2011, 18, 667-672.	2.6	5
59	CuO/Ce x Sn1â˘'x O2 catalysts: synthesis, characterization, and catalytic performance for low-temperature CO oxidation. Transition Metal Chemistry, 2011, 36, 107-112.	1.4	9