

Weiwei Guo

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,129
citations

361296

20
h-index

414303

32
g-index

32
all docs

32
docs citations

32
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-sensing performance enhancement in ZnO nanostructures by hierarchical morphology. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 492-499.	4.0	145
2	Fe-Doped ZnO/Reduced Graphene Oxide Nanocomposite with Synergic Enhanced Gas Sensing Performance for the Effective Detection of Formaldehyde. <i>ACS Omega</i> , 2019, 4, 10252-10262.	1.6	83
3	Hollow, porous, and yttrium functionalized ZnO nanospheres with enhanced gas-sensing performances. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 53-62.	4.0	82
4	Hydrothermal synthesis and gas-sensing properties of ultrathin hexagonal ZnO nanosheets. <i>Ceramics International</i> , 2014, 40, 2295-2298.	2.3	73
5	Gas-sensing property improvement of ZnO by hierarchical flower-like architectures. <i>Materials Letters</i> , 2011, 65, 3384-3387.	1.3	62
6	Hydrothermal synthesis of Bi-doped SnO ₂ /rGO nanocomposites and the enhanced gas sensing performance to benzene. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126959.	4.0	57
7	Synthesis and characterization of CeO ₂ nano-rods. <i>Ceramics International</i> , 2013, 39, 6607-6610.	2.3	51
8	Ni-doped SnO ₂ /g-C ₃ N ₄ nanocomposite with enhanced gas sensing performance for the effective detection of acetone in diabetes diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129666.	4.0	45
9	Hydrothermal synthesis of assembled sphere-like WO ₃ architectures and their gas-sensing properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1467-1472.	1.3	42
10	A n-butanol gas sensor with enhanced gas sensing performance based on Co-doped BiVO ₄ polyhedrons. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131221.	4.0	40
11	Hydrothermal synthesis of different TiO ₂ nanostructures: structure, growth and gas sensor properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 2024-2029.	1.1	36
12	Hydrothermal synthesis of vanadium pentoxide nanostructures and their morphology control. <i>Ceramics International</i> , 2013, 39, 2639-2643.	2.3	31
13	Design of Gas Sensor Based on Fe-Doped ZnO Nanosheet-Spheres for Low Concentration of Formaldehyde Detection. <i>Journal of the Electrochemical Society</i> , 2016, 163, B517-B525.	1.3	31
14	HMT assisted hydrothermal synthesis of various ZnO nanostructures: Structure, growth and gas sensor properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 680-685.	1.3	30
15	Enhanced isoprene gas sensing performance based on p-CaFe ₂ O ₄ /n-ZnFe ₂ O ₄ heterojunction composites. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131243.	4.0	30
16	Rapid selective detection of formaldehyde by hollow ZnSnO ₃ nanocages. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 48, 46-52.	1.3	26
17	Hollow and Porous ZnSnO ₃ Gas Sensor for Ethanol Gas Detection. <i>Journal of the Electrochemical Society</i> , 2016, 163, B131-B139.	1.3	26
18	One pot synthesis of hierarchical and porous ZnSnO ₃ nanocubes and gas sensing properties to formaldehyde. <i>Results in Physics</i> , 2019, 15, 102606.	2.0	26

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19	Synthesis of the ZnFe ₂ O ₄ /ZnSnO ₃ nanocomposite and enhanced gas sensing performance to acetone. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130524.	4.0	25
20	Hydrothermal synthesis of Ni-doped hydrangea-like Bi ₂ WO ₆ and the enhanced gas sensing property to n-butanol. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131396.	4.0	23
21	Synthesis of unique ZnO/SnO ₂ core-shell structural microspheres and their gas-sensing properties. <i>Materials Letters</i> , 2012, 89, 5-8.	1.3	19
22	Hierarchical ZnO porous microspheres and their gas-sensing properties. <i>Ceramics International</i> , 2013, 39, 5919-5924.	2.3	19
23	PEG-20000 assisted hydrothermal synthesis of hierarchical ZnO flowers: Structure, growth and gas sensor properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 73, 163-168.	1.3	17
24	Composite of ZnO spheres and functionalized SnO ₂ nanofibers with an enhanced ethanol gas sensing properties. <i>Materials Letters</i> , 2016, 169, 246-249.	1.3	16
25	ZnO nanosheets assembled different hierarchical structures and their gas sensing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7302-7310.	1.1	15
26	Hydrothermal synthesis and gas sensing properties of hybrid WO ₃ nano-materials using octadecylamine. <i>Journal of Alloys and Compounds</i> , 2019, 785, 1047-1055.	2.8	15
27	One-step synthesis of ZnWO ₄ /ZnSnO ₃ composite and the enhanced gas sensing performance to formaldehyde. <i>Materials Letters</i> , 2020, 277, 128327.	1.3	15
28	Hydrothermal synthesis of ultrathin ZnO nanosheets and their gas-sensing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1764-1769.	1.1	13
29	Hydrothermal synthesis of ceria hybrid architectures of nano-rods and nano-octahedrons. <i>Materials Letters</i> , 2013, 96, 210-213.	1.3	13
30	One-pot synthesis of urchin-like ZnO nanostructure and its enhanced acetone gas sensing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 963-972.	1.1	10
31	NH ₂ -MIL-125(Ti) with transient metal centers via novel electron transfer routes for enhancing photocatalytic NO removal and H ₂ evolution. <i>Catalysis Science and Technology</i> , 2021, 11, 6225-6233.	2.1	9
32	Impact of NaF mineralizer on cerium-containing nanoparticles synthesized by hydrothermal process. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 48, 181-186.	1.3	4