Weiwei Guo

List of Publications by Year
in descending order

32 papers	1,129 citations	361413 20 h-index	414414 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. Sensors and Actuators B: Chemical, 2012, 166-167, 492-499.	7.8	145
2	Fe-Doped ZnO/Reduced Graphene Oxide Nanocomposite with Synergic Enhanced Gas Sensing Performance for the Effective Detection of Formaldehyde. ACS Omega, 2019, 4, 10252-10262.	3.5	83
3	Hollow, porous, and yttrium functionalized ZnO nanospheres with enhanced gas-sensing performances. Sensors and Actuators B: Chemical, 2013, 178, 53-62.	7.8	82
4	Hydrothermal synthesis and gas-sensing properties of ultrathin hexagonal ZnO nanosheets. Ceramics International, 2014, 40, 2295-2298.	4.8	73
5	Gas-sensing property improvement of ZnO by hierarchical flower-like architectures. Materials Letters, 2011, 65, 3384-3387.	2.6	62
6	Hydrothermal synthesis of Bi-doped SnO2/rGO nanocomposites and the enhanced gas sensing performance to benzene. Sensors and Actuators B: Chemical, 2019, 299, 126959.	7.8	57
7	Synthesis and characterization of CeO 2 nano-rods. Ceramics International, 2013, 39, 6607-6610.	4.8	51
8	Ni-doped SnO2/g-C3N4 nanocomposite with enhanced gas sensing performance for the eï¬€ ;ective detection of acetone in diabetes diagnosis. Sensors and Actuators B: Chemical, 2021, 334, 129666.	7.8	45
9	Hydrothermal synthesis of assembled sphere-like WO3 architectures and their gas-sensing properties. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1467-1472.	2.7	42
10	A n-butanol gas sensor with enhanced gas sensing performance based on Coâ€doped BiVO4 polyhedrons. Sensors and Actuators B: Chemical, 2022, 354, 131221.	7.8	40
11	Hydrothermal synthesis of different TiO2 nanostructures: structure, growth and gas sensor properties. Journal of Materials Science: Materials in Electronics, 2012, 23, 2024-2029.	2.2	36
12	Hydrothermal synthesis of vanadium pentoxide nanostructures and their morphology control. Ceramics International, 2013, 39, 2639-2643.	4.8	31
13	Design of Gas Sensor Based on Fe-Doped ZnO Nanosheet-Spheres for Low Concentration of Formaldehyde Detection. Journal of the Electrochemical Society, 2016, 163, B517-B525.	2.9	31
14	HMT assisted hydrothermal synthesis of various ZnO nanostructures: Structure, growth and gas sensor properties. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 680-685.	2.7	30
15	Enhanced isoprene gas sensing performance based on p-CaFe2O4/n-ZnFe2O4 heterojunction composites. Sensors and Actuators B: Chemical, 2022, 354, 131243.	7.8	30
16	Rapid selective detection of formaldehyde by hollow ZnSnO3 nanocages. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 48, 46-52.	2.7	26
17	Hollow and Porous ZnSnO₃Gas Sensor for Ethanol Gas Detection. Journal of the Electrochemical Society, 2016, 163, B131-B139.	2.9	26
18	One pot synthesis of hierarchical and porous ZnSnO3 nanocubes and gas sensing properties to formaldehyde. Results in Physics, 2019, 15, 102606.	4.1	26

#	Article	IF	Citations
19	Synthesis of the ZnFe2O4/ZnSnO3 nanocomposite and enhanced gas sensing performance to acetone. Sensors and Actuators B: Chemical, 2021, 346, 130524.	7.8	25
20	Hydrothermal synthesis of Ni-doped hydrangea-like Bi2WO6 and the enhanced gas sensing property to n-butanol. Sensors and Actuators B: Chemical, 2022, 357, 131396.	7.8	23
21	Synthesis of unique ZnO/SnO2 coreâ€"shell structural microspheres and their gas-sensing properties. Materials Letters, 2012, 89, 5-8.	2.6	19
22	Hierarchical ZnO porous microspheres and their gas-sensing properties. Ceramics International, 2013, 39, 5919-5924.	4.8	19
23	PEG-20000 assisted hydrothermal synthesis of hierarchical ZnO flowers: Structure, growth and gas sensor properties. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 73, 163-168.	2.7	17
24	Composite of ZnO spheres and functionalized SnO2 nanofibers with an enhanced ethanol gas sensing properties. Materials Letters, 2016, 169, 246-249.	2.6	16
25	ZnO nanosheets assembled different hierarchical structures and their gas sensing properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 7302-7310.	2.2	15
26	Hydrothermal synthesis and gas sensing properties of hybrid WO3 nano-materials using octadecylamine. Journal of Alloys and Compounds, 2019, 785, 1047-1055.	5.5	15
27	One-step synthesis of ZnWO4/ZnSnO3 composite and the enhanced gas sensing performance to formaldehyde. Materials Letters, 2020, 277, 128327.	2.6	15
28	Hydrothermal synthesis of ultrathin ZnO nanosheets and their gas-sensing properties. Journal of Materials Science: Materials in Electronics, 2013, 24, 1764-1769.	2.2	13
29	Hydrothermal synthesis of ceria hybrid architectures of nano-rods and nano-octahedrons. Materials Letters, 2013, 96, 210-213.	2.6	13
30	One-pot synthesis of urchin-like ZnO nanostructure and its enhanced acetone gas sensing properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 963-972.	2.2	10
31	NH2-MIL-125(Ti) with transient metal centers via novel electron transfer routes for enhancing photocatalytic NO removal and H2 evolution. Catalysis Science and Technology, 2021, 11, 6225-6233.	4.1	9
32	Impact of NaF mineralizer on cerium-containing nanoparticles synthesized by hydrothermal process. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 48, 181-186.	2.7	4