Yong Zhang

List of Publications by Year in Descending Order

25 papers	803 citations	16 h-index	25 g-index
25 ext. papers	948 ext. citations	5.9 avg, IF	4.49 L-index

#	Paper	IF	Citations
25	ZIF-8-derived N-doped porous carbon coated reduced graphene oxide as ultrasensitive platform and its application for electrochemical sensing. *Journal of Alloys and Compounds*, **2021**, 857, 157604	5.7	3
24	In situ formation of reduced graphene oxide@Co3O4-N-doped carbon and its structure-function relationship for glucose sensing. *Applied Surface Science*, **2021**, 539, 148235	6.7	6
23	High-performance NO2 gas sensor based on bimetallic oxide CuWO4 decorated with reduced graphene oxide. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 6706-6715	2.1	9
22	An organometallic chemistry-assisted strategy for modification of zinc oxide nanoparticles by tin oxide nanoparticles: Formation of n-n heterojunction and boosting NO sensing properties. *Journal of Colloid and Interface Science*, **2020**, 567, 328-338	9.3	13
21	Confinement preparation of hierarchical NiO-N-doped carbon@reduced graphene oxide microspheres for high-performance non-enzymatic detection of glucose. *Sensors and Actuators B: Chemical*, **2020**, 309, 127779	8.5	29
20	Confinement preparation of Au nanoparticles embedded in ZIF-67-derived N-doped porous carbon for high-performance detection of hydrazine in liquid/gas phase. *Sensors and Actuators B: Chemical*, **2019**, 285, 607-616	8.5	27
19	Functionalization of the support material based on N-doped carbon-reduced graphene oxide and its influence on the non-enzymatic detection of glucose. *Journal of Alloys and Compounds*, **2019**, 780, 98-106	5.7	19
18	Facile fabrication of polyaniline/multi-walled carbon nanotubes/molybdenum disulfide ternary nanocomposite and its high-performance ammonia-sensing at room temperature. *Sensors and Actuators B: Chemical*, **2018**, 258, 895-905	8.5	102
17	Ethanol gas sensing properties of lead sulfide quantum dots-decorated zinc oxide nanorods prepared by hydrothermal process combining with successive ionic-layer adsorption and reaction method. *Journal of Colloid and Interface Science*, **2018**, 528, 184-191	9.3	27
16	In situ formation of N-doped carbon film-immobilized Au nanoparticles-coated ZnO jungle on indium tin oxide electrode for excellent high-performance detection of hydrazine. *Sensors and Actuators B: Chemical*, **2017**, 243, 1231-1239	8.5	30
15	Rational design of Ag nanocubes-reduced graphene oxide nanocomposites for high-performance non-enzymatic H2O2 sensing. *Chemical Research in Chinese Universities*, **2017**, 33, 946-950	2.2	1
14	High-performance reduced graphene oxide-based room-temperature NO2 sensors: A combined surface modification of SnO2 nanoparticles and nitrogen doping approach. *Sensors and Actuators B: Chemical*, **2017**, 242, 269-279	8.5	79
13	Preparation of Ag nanoparticles-SnO2 nanoparticles-reduced graphene oxide hybrids and their application for detection of NO2 at room temperature. *Sensors and Actuators B: Chemical*, **2016**, 222, 893-903	8.5	92
12	In situ growth of Ag-reduced graphene oxide-carbon nanotube on indium tin oxide and its application for electrochemical sensing. *Materials Research Bulletin*, **2016**, 84, 355-362	5.1	17
11	Green preparation of Au nanoparticles for electrochemical detection of H2O2. *Journal of Semiconductors*, **2016**, 37, 013003	2.3	3
10	Sulfonated graphene anchored with tin oxide nanoparticles for detection of nitrogen dioxide at room temperature with enhanced sensing performances. *Sensors and Actuators B: Chemical*, **2016**, 228, 134-143	8.5	61
9	Infrared light-assisted preparation of Ag nanoparticles-reduced graphene oxide nanocomposites for non-enzymatic H 2 O 2 sensing. *Materials Research Bulletin*, **2015**, 72, 184-187	5.1	13

List of Publications

8	Fabrication and characterization of layer-by-layer nano self-assembled ZnO nanorods/carbon nanotube film sensor for ethanol gas sensing application at room temperature. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 7445-7451	2.1	36
7	Confined nanospace pyrolysis for synthesis of N-doped few-layer graphene-supported yolk–shell carbon hollow spheres for electrochemical sensing. *RSC Advances*, **2015**, 5, 37568-37573	3.7	5
6	Synthesis of Ag nanoparticle–carbon nanotube–reduced graphene oxide hybrids for highly sensitive non-enzymatic hydrogen peroxide detection. *RSC Advances*, **2015**, 5, 39037-39041	3.7	31
5	Preparation of zinc oxide nanoparticle–reduced graphene oxide–gold nanoparticle hybrids for detection of NO2. *RSC Advances*, **2015**, 5, 91760-91765	3.7	37
4	Electrodeposition synthesis of reduced graphene oxide–carbon nanotube hybrids on indium tin oxide electrode for simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. *RSC Advances*, **2015**, 5, 106307-106314	3.7	33
3	High performance room temperature NO2 sensors based on reduced graphene oxide-multiwalled carbon nanotubes-tin oxide nanoparticles hybrids. *Sensors and Actuators B: Chemical*, **2015**, 211, 318-324	8.5	97
2	Solvent-free infiltration method to prepare mesoporous SnO2 templated by SiO2 nanoparticles for ethanol sensing. *Sensors and Actuators B: Chemical*, **2015**, 210, 700-705	8.5	17
1	Hydrophobic modification of ZnO nanostructures surface using silane coupling agent. *Polymer Composites*, **2014**, 35, 1204-1211	3	16