

# Yong Zhang

## List of Publications by Year in descending order

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25  
papers

1,066  
citations

471371

17  
h-index

580701

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile fabrication of polyaniline/multi-walled carbon nanotubes/molybdenum disulfide ternary nanocomposite and its high-performance ammonia-sensing at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 895-905.	4.0	141
2	Preparation of Ag nanoparticles-SnO <sub>2</sub> nanoparticles-reduced graphene oxide hybrids and their application for detection of NO <sub>2</sub> at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 893-903.	4.0	122
3	High performance room temperature NO <sub>2</sub> sensors based on reduced graphene oxide-multiwalled carbon nanotubes-tin oxide nanoparticles hybrids. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 318-324.	4.0	111
4	High-performance reduced graphene oxide-based room-temperature NO <sub>2</sub> sensors: A combined surface modification of SnO <sub>2</sub> nanoparticles and nitrogen doping approach. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 269-279.	4.0	99
5	Sulfonated graphene anchored with tin oxide nanoparticles for detection of nitrogen dioxide at room temperature with enhanced sensing performances. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 134-143.	4.0	73
6	Preparation of zinc oxide nanoparticle@reduced graphene oxide@gold nanoparticle hybrids for detection of NO <sub>2</sub> . <i>RSC Advances</i> , 2015, 5, 91760-91765.	1.7	49
7	Confinement preparation of Au nanoparticles embedded in ZIF-67-derived N-doped porous carbon for high-performance detection of hydrazine in liquid/gas phase. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 607-616.	4.0	49
8	Confinement preparation of hierarchical NiO-N-doped carbon@reduced graphene oxide microspheres for high-performance non-enzymatic detection of glucose. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127779.	4.0	48
9	Synthesis of Ag nanoparticle@carbon nanotube@reduced graphene oxide hybrids for highly sensitive non-enzymatic hydrogen peroxide detection. <i>RSC Advances</i> , 2015, 5, 39037-39041.	1.7	41
10	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. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 184-191.	5.0	40
11	Fabrication and characterization of layer-by-layer nano self-assembled ZnO nanorods/carbon nanotube film sensor for ethanol gas sensing application at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7445-7451.	1.1	38
12	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. <i>RSC Advances</i> , 2015, 5, 106307-106314.	1.7	37
13	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. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 1231-1239.	4.0	34
14	Functionalization of the support material based on N-doped carbon-reduced graphene oxide and its influence on the non-enzymatic detection of glucose. <i>Journal of Alloys and Compounds</i> , 2019, 780, 98-106.	2.8	31
15	Hydrophobic modification of ZnO nanostructures surface using silane coupling agent. <i>Polymer Composites</i> , 2014, 35, 1204-1211.	2.3	25
16	An organometallic chemistry-assisted strategy for modification of zinc oxide nanoparticles by tin oxide nanoparticles: Formation of n-n heterojunction and boosting NO <sub>2</sub> sensing properties. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 328-338.	5.0	23
17	In situ growth of Ag-reduced graphene oxide-carbon nanotube on indium tin oxide and its application for electrochemical sensing. <i>Materials Research Bulletin</i> , 2016, 84, 355-362.	2.7	19
18	Solvent-free infiltration method to prepare mesoporous SnO <sub>2</sub> templated by SiO <sub>2</sub> nanoparticles for ethanol sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 700-705.	4.0	17

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19	In situ formation of reduced graphene oxide@Co <sub>3</sub> O <sub>4</sub> -N-doped carbon and its structure-function relationship for glucose sensing. <i>Applied Surface Science</i> , 2021, 539, 148235.	3.1	17
20	High-performance NO <sub>2</sub> gas sensor based on bimetallic oxide CuWO <sub>4</sub> decorated with reduced graphene oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6706-6715.	1.1	15
21	Infrared light-assisted preparation of Ag nanoparticles-reduced graphene oxide nanocomposites for non-enzymatic H <sub>2</sub> O <sub>2</sub> sensing. <i>Materials Research Bulletin</i> , 2015, 72, 184-187.	2.7	13
22	ZIF-8-derived N-doped porous carbon coated reduced graphene oxide as ultrasensitive platform and its application for electrochemical sensing. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157604.	2.8	10
23	Confined nanospace pyrolysis for synthesis of N-doped few-layer graphene-supported yolk-shell carbon hollow spheres for electrochemical sensing. <i>RSC Advances</i> , 2015, 5, 37568-37573.	1.7	6
24	Green preparation of Au nanoparticles for electrochemical detection of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Semiconductors</i> , 2016, 37, 013003.	2.0	6
25	Rational design of Ag nanocubes-reduced graphene oxide nanocomposites for high-performance non-enzymatic H <sub>2</sub> O <sub>2</sub> sensing. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 946-950.	1.3	2