

# Yong Zhang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4458691/yong-zhang-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 25 | 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> , <b>2018</b> , 258, 895-905                                | 8.5 | 102       |
| 24 | 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> , <b>2015</b> , 211, 318-324   | 8.5 | 97        |
| 23 | 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> , <b>2016</b> , 222, 893-903                               | 8.5 | 92        |
| 22 | 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> , <b>2017</b> , 242, 269-279                 | 8.5 | 79        |
| 21 | 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> , <b>2016</b> , 228, 134-143   | 8.5 | 61        |
| 20 | Preparation of zinc oxide nanoparticle-reduced graphene oxide-gold nanoparticle hybrids for detection of NO <sub>2</sub> . <i>RSC Advances</i> , <b>2015</b> , 5, 91760-91765   | 3.7 | 37        |
| 19 | 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> , <b>2015</b> , 26, 7445-7451          | 2.1 | 36        |
| 18 | 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> , <b>2015</b> , 5, 106307-106314                         | 3.7 | 33        |
| 17 | Synthesis of Ag nanoparticle-carbon nanotube-reduced graphene oxide hybrids for highly sensitive non-enzymatic hydrogen peroxide detection. <i>RSC Advances</i> , <b>2015</b> , 5, 39037-39041  | 3.7 | 31        |
| 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. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 1231-1239                          | 8.5 | 30        |
| 15 | 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> , <b>2020</b> , 309, 127779  | 8.5 | 29        |
| 14 | 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> , <b>2019</b> , 285, 607-616   | 8.5 | 27        |
| 13 | 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> , <b>2018</b> , 528, 184-191 | 9.3 | 27        |
| 12 | 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> , <b>2019</b> , 780, 98-106  | 5.7 | 19        |
| 11 | 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> , <b>2016</b> , 84, 355-362   | 5.1 | 17        |
| 10 | 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> , <b>2015</b> , 210, 700-705  | 8.5 | 17        |
| 9  | Hydrophobic modification of ZnO nanostructures surface using silane coupling agent. <i>Polymer Composites</i> , <b>2014</b> , 35, 1204-1211   | 3   | 16        |

|   |   |     |    |
|---|---|-----|----|
| 8 | 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> , <b>2015</b> , 72, 184-187   | 5.1 | 13 |
| 7 | 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. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 567, 328-338 | 9.3 | 13 |
| 6 | 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> , <b>2020</b> , 31, 6706-6715  | 2.1 | 9  |
| 5 | 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> , <b>2021</b> , 539, 148235  | 6.7 | 6  |
| 4 | Confined nanospace pyrolysis for synthesis of N-doped few-layer graphene-supported yolk-shell carbon hollow spheres for electrochemical sensing. <i>RSC Advances</i> , <b>2015</b> , 5, 37568-37573   | 3.7 | 5  |
| 3 | Green preparation of Au nanoparticles for electrochemical detection of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Semiconductors</i> , <b>2016</b> , 37, 013003  | 2.3 | 3  |
| 2 | 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> , <b>2021</b> , 857, 157604  | 5.7 | 3  |
| 1 | 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> , <b>2017</b> , 33, 946-950  | 2.2 | 1  |