

Ziying Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9075775/publications.pdf>

Version: 2024-02-01

29
papers

1,257
citations

430874

18
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible, non-contact and multifunctional humidity sensors based on two-dimensional phytic acid doped co-metal organic frameworks nanosheets. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 2010-2018.	9.4	32
2	Wearable Multifunctional Graphene-Based Aerogel/Spacer Fabric Composites for Sensing and Impact Protection. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	6
3	An Energy Harvester Coupled with a Triboelectric Mechanism and Electrostatic Mechanism for Biomechanical Energy Harvesting. <i>Nanomaterials</i> , 2022, 12, 933.	4.1	13
4	Porous Co ₃ O ₄ nanocrystals derived by metal-organic frameworks on reduced graphene oxide for efficient room-temperature NO ₂ sensing properties. <i>Journal of Alloys and Compounds</i> , 2021, 856, 158199.	5.5	30
5	Recent Advances in Natural Functional Biopolymers and Their Applications of Electronic Skins and Flexible Strain Sensors. <i>Polymers</i> , 2021, 13, 813.	4.5	37
6	Surface microstructure-controlled ZrO ₂ for highly sensitive room-temperature NO ₂ sensors. <i>Nano Materials Science</i> , 2021, 3, 268-275.	8.8	31
7	Shape-controlled synthesis of Ag/Cs ₄ PbBr ₆ Janus nanoparticles. <i>Nanotechnology</i> , 2021, 32, 075601.	2.6	4
8	Light-Assisted Enhancement of Gas Sensing Property for Micro-Nanostructure Electronic Device: A Mini Review. <i>Frontiers in Chemistry</i> , 2021, 9, 811074.	3.6	9
9	Biomass-derived Nitrogen and Phosphorus Co-doped Hierarchical Micro/mesoporous Carbon Materials for High-performance Non-enzymatic H ₂ O ₂ Sensing. <i>Electroanalysis</i> , 2019, 31, 527-534.	2.9	12
10	Construction of ZnO/SnO ₂ Heterostructure on Reduced Graphene Oxide for Enhanced Nitrogen Dioxide Sensitive Performances at Room Temperature. <i>ACS Sensors</i> , 2019, 4, 2048-2057.	7.8	142
11	Study on highly selective sensing behavior of ppb-level oxidizing gas sensors based on Zn ₂ SnO ₄ nanoparticles immobilized on reduced graphene oxide under humidity conditions. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 590-600.	7.8	70
12	Mesoporous Magnesium Oxide Nanosheet Electrocatalysts for the Detection of Lead(II). <i>ACS Applied Nano Materials</i> , 2019, 2, 2606-2611.	5.0	11
13	Solvent-free synthesis of mesoporous carbon employing KIT-6 as hard template for removal of aqueous rhodamine B. <i>Journal of Porous Materials</i> , 2019, 26, 941-950.	2.6	8
14	Anchoring ultrafine Pd nanoparticles and SnO ₂ nanoparticles on reduced graphene oxide for high-performance room temperature NO ₂ sensing. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 599-608.	9.4	60
15	Oxygen vacancy engineering for enhanced sensing performances: A case of SnO ₂ nanoparticles-reduced graphene oxide hybrids for ultrasensitive ppb-level room-temperature NO ₂ sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 812-822.	7.8	109
16	Investigation of Microstructure Effect on NO ₂ Sensors Based on SnO ₂ Nanoparticles/Reduced Graphene Oxide Hybrids. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41773-41783.	8.0	100
17	Rational design of Ag nanocubes-reduced graphene oxide nanocomposites for high-performance non-enzymatic H ₂ O ₂ sensing. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 946-950.	2.6	2
18	High-performance reduced graphene oxide-based room-temperature NO ₂ sensors: A combined surface modification of SnO ₂ nanoparticles and nitrogen doping approach. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 269-279.	7.8	99

#	ARTICLE	IF	CITATIONS
19	Studies on QCM-type NO ₂ gas sensor based on graphene composites at room temperature. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 924-928.	2.6	13
20	Preparation of Ag nanoparticles-SnO ₂ nanoparticles-reduced graphene oxide hybrids and their application for detection of NO ₂ at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 893-903.	7.8	122
21	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.	3.6	37
22	Synthesis of core-shell Fe ₂ O ₃ @NiO nanofibers with hollow structures and their enhanced HCHO sensing properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5635-5641.	10.3	83
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.	3.6	6
24	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.	3.6	41
25	Core-shell Co ₃ O ₄ /Fe ₂ O ₃ heterostructure nanofibers with enhanced gas sensing properties. <i>RSC Advances</i> , 2015, 5, 36340-36346.	3.6	51
26	Preparation of zinc oxide nanoparticle-reduced graphene oxide-gold nanoparticle hybrids for detection of NO ₂ . <i>RSC Advances</i> , 2015, 5, 91760-91765.	3.6	49
27	Electrostatic sprayed Cr-loaded NiO core-in-hollow-shell structured micro/nanospheres with ultra-selectivity and sensitivity for xylene. <i>CrystEngComm</i> , 2014, 16, 7731.	2.6	33
28	High surface area mesoporous CuO: a high-performance electrocatalyst for non-enzymatic glucose biosensing. <i>RSC Advances</i> , 2014, 4, 33327-33331.	3.6	44
29	Oxygen Plasma-Assisted Defect Engineering of Graphene Nanocomposites with Ultrasmall Co ₃ O ₄ Nanocrystals for Monitoring Toxic Nitrogen Dioxide at Room Temperature. <i>Langmuir</i> , 0, , .	3.5	3