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Hydrothermally grown oriented ZnO nanorod arrays for gas sensing applications

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216	A Humidity-Insensitive NO2 Gas Sensor With High Selectivity. <b>2016</b> , 37, 92-95	13
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<b>21</b> 0	Catalyst-decorated hollow WO3 nanotubes using layer-by-layer self-assembly on polymeric nanofiber templates and their application in exhaled breath sensor. <b>2016</b> , 223, 301-310	78
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140	Facile preparation of zinc oxide nanorods surrounded by graphene quantum dots both synthesized via separate pyrolysis procedures for photocatalyst application. <b>2018</b> , 98, 148-154	32
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138	Enhanced gas-sensing performance of ZnO@In2O3 core@shell nanofibers prepared by coaxial electrospinning. <b>2018</b> , 255, 2248-2257	86
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97	Fragmented lignin-assisted synthesis of a hierarchical ZnO nanostructure for ammonia gas sensing <b>2019</b> , 9, 2484-2492		8
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95	Three-Dimensional Microtubular Devices for Lab-on-a-Chip Sensing Applications. <b>2019</b> , 4, 1476-1496		27

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85	Enhanced Hydrogen Detection in ppb-Level by Electrospun SnOŁoaded ZnO Nanofibers. <b>2019</b> , 19,	19
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82	Enhanced room temperature gas sensing properties of low temperature solution processed ZnO/CuO heterojunction. <b>2019</b> , 13, 4	22
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78	ZnO Nanocrystal-Based Chloroform Detection: Density Functional Theory (DFT) Study. <b>2019</b> , 9, 769	9
77	Sol <b>C</b> iel Spin-Coating Followed by Solvothermal Synthesis of Nanorods-Based ZnO Thin Films: Microstructural, Optical, and Gas Sensing Properties. <b>2019</b> , 48, 1258-1267	5

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71	Growth and influence of Gd doping on ZnO nanostructures for enhanced optical, structural properties and gas sensing applications. <i>Applied Surface Science</i> , <b>2020</b> , 499, 143857	6.7	33
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65	Bacterial cellulose templated p-Co3O4/n-ZnO nanocomposite with excellent VOCs response performance. <b>2020</b> , 33, 477-484		2
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61	Evaluation of physical properties and bactericidal efficacy of chemically developed undoped and Mn (5, 10, 15wt%) doped ZnO nanoparticles. <b>2020</b> , 1-8		2
60	Zinc Oxide and Metal Halide Perovskite Nanostructures Having Tunable Morphologies Grown by Nanosecond Laser Ablation for Light-Emitting Devices. <b>2020</b> , 3, 5881-5897		3
59	Controlled synthesis of periodic arrays of ZnO nanostructures combining e-beam lithography and solution-based processes leveraged by micro X-ray fluorescence spectroscopy. <b>2020</b> , 8, 100063		

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57	Gelation of uranyl ions and gel-derived uranium oxide nanoparticles for gas sensing. <b>2020</b> , 2, 2478-2484	1
56	ZnO nanoparticles-based vacuum pressure sensor. <i>Nanotechnology</i> , <b>2020</b> , 31, 435502 3.4	4
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54	Covalent triazine-based frameworks for NH3 gas sensing at room temperature. 2020, 321, 128513	9
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52	Low-temperature chemical nanofabrication methods. <b>2020</b> , 149-211	2
51	Surface plasmon resonance amplified efficient polarization-selective volatile organic compounds CdSe-CdS/Ag/PMMA sensing material. <b>2020</b> , 309, 127760	10
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49	General introduction of zinc oxide nanomaterials. <b>2021</b> , 1-19	
48	Measuring the order parameter of vertically aligned nanorod assemblies. <b>2021</b> , 13, 7630-7637	O
47	A Review on Synthesis and Optoelectronic Applications of Nanostructured ZnO. <b>2021</b> , 8,	6
46	Synthesis and characterization of micro-meso structure NaY zeolite in the presence of Nano-ZnO as a guest molecule. <b>2021</b> , 18, 2873	1
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44	Fabrication of ZnO nanorods based gas sensor pattern by photolithography and lift off techniques. <b>2021</b> , 33, 101397	6
43	Modulation of wall thickness of Al-doped ZnO nanotubes by nanolamination of atomic layer deposition for oxygen sensing. <b>2021</b> , 104, 4938-4945	3
42	Visible Photoluminescence of Variable-Length Zinc Oxide Nanorods Embedded in Porous Anodic Alumina Template for Biosensor Applications. <b>2021</b> , 11, 756	1
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40	NO2 gas sensing properties of heterostructural CuO nanoparticles/ZnO nanorods. <b>2021</b> , 32, 18178-18191	2
39	Phyto-reflexive Zinc Oxide Nano-Flowers synthesis: An advanced photocatalytic degradation and infectious therapy. <b>2021</b> , 13, 2375-2391	11
38	Directly electrospinning submillimeter continuous fibers on tubes to fabricate H2S detectors with fast and high response. <b>2021</b> ,	O
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34	Deep vs shallow nature of oxygen vacancies and consequent n-type carrier concentrations in transparent conducting oxides. <b>2018</b> , 2,	46
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