

Thi Thanh Le Dang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,318
citations

331670

21
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	On-chip fabrication of SnO ₂ -nanowire gas sensor: The effect of growth time on sensor performance. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 361-367.	7.8	102
2	On-chip growth of semiconductor metal oxide nanowires for gas sensors: A review. <i>Journal of Science: Advanced Materials and Devices</i> , 2017, 2, 263-285.	3.1	84
3	Comparative gas-sensing performance of 1D and 2D ZnO nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1152-1160.	7.8	81
4	Low-temperature prototype hydrogen sensors using Pd-decorated SnO ₂ nanowires for exhaled breath applications. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 156-163.	7.8	80
5	Enhancement of gas-sensing characteristics of hydrothermally synthesized WO ₃ nanorods by surface decoration with Pd nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 453-460.	7.8	70
6	Bilayer SnO ₂ /WO ₃ nanofilms for enhanced NH ₃ gas sensing performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 224, 163-170.	3.5	67
7	A comparative study on the electrochemical properties of nanoporous nickel oxide nanowires and nanosheets prepared by a hydrothermal method. <i>RSC Advances</i> , 2018, 8, 19449-19455.	3.6	57
8	C ₂ H ₅ OH and NO ₂ sensing properties of ZnO nanostructures: correlation between crystal size, defect level and sensing performance. <i>RSC Advances</i> , 2018, 8, 5629-5639.	3.6	55
9	Selective discrimination of hazardous gases using one single metal oxide resistive sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 121-128.	7.8	54
10	Facile synthesis of SnO ₂ /ZnO core-shell nanowires for enhanced ethanol-sensing performance. <i>Current Applied Physics</i> , 2013, 13, 1637-1642.	2.4	53
11	Simple post-synthesis of mesoporous p-type Co ₃ O ₄ nanochains for enhanced H ₂ S gas sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 158-166.	7.8	53
12	Enhanced NH ₃ and H ₂ gas sensing with H ₂ S gas interference using multilayer SnO ₂ /Pt/WO ₃ nanofilms. <i>Journal of Hazardous Materials</i> , 2021, 412, 125181.	12.4	52
13	A label-free electrochemical biosensor based on screen-printed electrodes modified with gold nanoparticles for quick detection of bacterial pathogens. <i>Materials Today Communications</i> , 2021, 26, 101726.	1.9	51
14	Synthesis and gas-sensing characteristics of Fe ₃ O ₄ hollow balls. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 45-50.	3.1	37
15	Ultrasensitive NO ₂ gas sensing performance of two dimensional ZnO nanomaterials: Nanosheets and nanoplates. <i>Ceramics International</i> , 2021, 47, 28811-28820.	4.8	31
16	Highly selective H ₂ S gas sensor based on WO ₃ -coated SnO ₂ nanowires. <i>Materials Today Communications</i> , 2021, 26, 102094.	1.9	29
17	Enhanced NO ₂ gas-sensing performance at room temperature using exfoliated MoS ₂ nanosheets. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113137.	4.1	28
18	Dual-selective hydrogen and ethanol sensor for steam reforming systems. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 1011-1019.	7.8	26

#	ARTICLE	IF	CITATIONS
19	An effective H ₂ S sensor based on SnO ₂ nanowires decorated with NiO nanoparticles by electron beam evaporation. RSC Advances, 2019, 9, 13887-13895.	3.6	26
20	Electrochemical stability of screen-printed electrodes modified with Au nanoparticles for detection of methicillin-resistant Staphylococcus aureus. Materials Chemistry and Physics, 2020, 255, 123562.	4.0	26
21	A novel design and fabrication of self-heated In ₂ O ₃ nanowire gas sensor on glass for ethanol detection. Sensors and Actuators A: Physical, 2022, 345, 113769.	4.1	24
22	Selective hydrogen sensor for liquefied petroleum gas steam reforming fuel cell systems. International Journal of Hydrogen Energy, 2017, 42, 740-748.	7.1	23
23	Density-controllable growth of SnO ₂ nanowire junction-bridging across electrode for low-temperature NO ₂ gas detection. Journal of Materials Science, 2013, 48, 7253-7259.	3.7	21
24	Electronic noses based on metal oxide nanowires: A review. Nanotechnology Reviews, 2022, 11, 897-925.	5.8	21
25	Polycrystalline NiO Nanowires: Scalable Growth and Ethanol Sensing. Procedia Engineering, 2015, 120, 427-434.	1.2	19
26	New Design of ZnO Nanorod- and Nanowire-Based NO ₂ Room-Temperature Sensors Prepared by Hydrothermal Method. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	17
27	Hydrothermal Growth and Hydrogen Selective Sensing of Nickel Oxide Nanowires. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	15
28	ZnO coral-like nanoplates decorated with Pd nanoparticles for enhanced VOC gas sensing. Journal of Science: Advanced Materials and Devices, 2021, 6, 453-461.	3.1	15
29	Ammonia-Gas-Sensing Characteristics of WO ₃ /Carbon Nanotubes Nanocomposites: Effect of Nanotube Content and Sensing Mechanism. Science of Advanced Materials, 2016, 8, 524-533.	0.7	15
30	Vertically Coupling ZnO Nanorods onto MoS ₂ Flakes for Optical Gas Sensing. Chemosensors, 2020, 8, 19.	3.6	14
31	A comparative study on the NH ₃ gas-sensing properties of ZnO, SnO ₂ and WO ₃ nanowires. International Journal of Nanotechnology, 2011, 8, 174.	0.2	13
32	CuO Nanofibers Prepared by Electrospinning for Gas Sensing Application: Effect of Copper Salt Concentration. Journal of Nanoscience and Nanotechnology, 2016, 16, 7910-7918.	0.9	11
33	Design and fabrication of effective gradient temperature sensor array based on bilayer SnO ₂ /Pt for gas classification. Sensors and Actuators B: Chemical, 2022, 351, 130979.	7.8	11
34	Synthesis and LPG-sensing properties of TiO ₂ nanowires. Journal of Physics: Conference Series, 2009, 187, 012086.	0.4	10
35	Stable Electrochemical Measurements of Platinum Screen-Printed Electrodes Modified with Vertical ZnO Nanorods for Bacterial Detection. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	10
36	Single crystal cupric oxide nanowires: Length- and density-controlled growth and gas-sensing characteristics. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 58, 16-23.	2.7	8

#	ARTICLE	IF	CITATIONS
37	Tensile, Thermal, Dielectric and Morphological Properties of Polyoxymethylene/Silica Nanocomposites. Journal of Nanoscience and Nanotechnology, 2018, 18, 4963-4970.	0.9	7
38	Depletion layer and dimensionality of ZnO nanostructures. , 2015, , .		1
39	Fabrication of Electrochemical Electrodes Based on Platinum and (ext{ZnO}) Nanofibers for Biosensing Applications. Communications in Physics, 2017, 27, 221.	0.0	1
40	Functionalized ZnO Microbelt as Improved CO Sensor. Procedia Engineering, 2016, 168, 1090-1093.	1.2	0
41	Effect of light activation on chemical gas sensors based on aligned nanowires. , 2020, , .		0