

# Gold-loaded tellurium nanobelts gas sensor for ppt-level temperature

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simultaneous Biomechanical and Biochemical Monitoring for Self-Powered Breath Analysis. ACS Applied Materials & Interfaces, 2022, 14, 7301-7310.	4.0	86
2	High performance humidity sensor based on 3D mesoporous Co <sub>3</sub> O <sub>4</sub> hollow polyhedron for multifunctional applications. Applied Surface Science, 2022, 585, 152698.	3.1	52
3	Comparative Analysis of Derivative Parameters of Chemoresistive Sensor Signals for Gas Concentration Estimation. Chemosensors, 2022, 10, 126.	1.8	1
4	MoSe <sub>2</sub> /multiwalled carbon nanotube composite for ammonia sensing in natural humid environment. Journal of Hazardous Materials, 2022, 435, 128821.	6.5	29
5	Construction and DFT study of Pd decorated WSe <sub>2</sub> nanosheets for highly sensitive CO detection at room temperature. Sensors and Actuators B: Chemical, 2022, 360, 131634.	4.0	35
6	Two-Dimensional calcium silicate nanosheets for trapping atmospheric water molecules in humidity-immune gas sensors. Journal of Hazardous Materials, 2022, 432, 128671.	6.5	7
7	Light-enhanced NO <sub>2</sub> sensing performance and sensing mechanism of flower-like Cl uniformly doped In <sub>2</sub> O <sub>3</sub> . Applied Surface Science, 2022, 590, 153033.	3.1	11
8	Self-adaptive temperature and humidity compensation based on improved deep BP neural network for NO <sub>2</sub> detection in complex environment. Sensors and Actuators B: Chemical, 2022, 362, 131812.	4.0	12
9	Ag <sub>2</sub> Te nanowires for humidity-resistant trace-level NO <sub>2</sub> detection at room temperature. Sensors and Actuators B: Chemical, 2022, 363, 131790.	4.0	42
10	Transient, Implantable, Ultrathin Biofuel Cells Enabled by Laser-Induced Graphene and Gold Nanoparticles Composite. Nano Letters, 2022, 22, 3447-3456.	4.5	19
11	Edge-enriched MoS <sub>2</sub> nanosheets modified porous nanosheet-assembled hierarchical In <sub>2</sub> O <sub>3</sub> microflowers for room temperature detection of NO <sub>2</sub> with ultrahigh sensitivity and selectivity. Journal of Hazardous Materials, 2022, 434, 128836.	6.5	73
12	Hydrogel- and organohydrogel-based stretchable, ultrasensitive, transparent, room-temperature and real-time NO <sub>2</sub> sensors and the mechanism. Materials Horizons, 2022, 9, 1921-1934.	6.4	47
13	Template-free synthesis of a wafer-sized polyaniline nanoscale film with high electrical conductivity for trace ammonia gas sensing. Journal of Materials Chemistry A, 2022, 10, 12150-12156.	5.2	17
14	Sensitive Xylene Gas Sensor Based on NiO-NiCo <sub>2</sub> O <sub>4</sub> Hierarchical Spherical Structure Constructed With Nanorods. IEEE Sensors Journal, 2022, 22, 10346-10352.	2.4	12
15	Polyethylenimine/Nitrogen-Doped Reduced Graphene Oxide/ZnO Nanorod Layered Composites for Carbon Dioxide Sensing at Room Temperature. ACS Applied Nano Materials, 2022, 5, 6543-6554.	2.4	10
16	Fabrication and properties of room temperature ammonia gas sensor based on SnO <sub>2</sub> modified WSe <sub>2</sub> nanosheets heterojunctions. Applied Surface Science, 2022, 597, 153564.	3.1	24
17	Amine-functionalized stable Nb <sub>2</sub> CT <sub>x</sub> MXene toward room temperature ultrasensitive NO <sub>2</sub> gas sensor. Materials Advances, 2022, 3, 5151-5162.	2.6	28
18	G-C <sub>3</sub> N <sub>4</sub> Templated Synthesis of 3dom N-Sno <sub>2</sub> /Cn Enriched with Oxygen Vacancies for Superior No <sub>2</sub> Gas Sensing. SSRN Electronic Journal, 0, , .	0.4	0

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19	A comparative study of Cu/Ni:ZnO thin-film sensor for NO <sub>2</sub> gas sensing applications. <i>Materials Today: Proceedings</i> , 2022, 65, 3610-3616.	0.9	1
20	TiO <sub>2</sub> Hollow Nanofiber/Polyaniline Nanocomposites for Ammonia Detection at Room Temperature. <i>ChemNanoMat</i> , 2022, 8, .	1.5	2
21	Visible Light-Induced Room-Temperature Formaldehyde Gas Sensor Based on Porous Three-Dimensional ZnO Nanorod Clusters with Rich Oxygen Vacancies. <i>ACS Omega</i> , 2022, 7, 22861-22871.	1.6	4
22	Facile synthesis of discus-like porous CuO architectures and their enhanced xylene gas sensing performances. <i>Materials Letters</i> , 2022, 324, 132657.	1.3	1
23	A Novel Ultra-Fast Response and Room-Temperature No <sub>2</sub> Sensor Based on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Mxene Modified with Sphere-Like CuO. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
24	Photoelectric properties of tellurium nanowires by a green thermal solvothermal method. <i>Materials Express</i> , 2022, 12, 511-517.	0.2	1
25	Heterostructure nanoarchitectonics with ZnO/SnO <sub>2</sub> for ultrafast and selective detection of CO gas at low ppm levels. <i>Ceramics International</i> , 2022, 48, 36556-36569.	2.3	6
26	g-C <sub>3</sub> N <sub>4</sub> templated synthesis of 3DOM SnO <sub>2</sub> /CN enriched with oxygen vacancies for superior NO <sub>2</sub> gas sensing. <i>Applied Surface Science</i> , 2022, 604, 154618.	3.1	12
27	MXene decorated tungsten trioxide nanocomposite-based sensor capable of detecting NO <sub>2</sub> gas down to ppb-level at room temperature. <i>Materials Science in Semiconductor Processing</i> , 2022, 152, 107048.	1.9	17
28	Optical and gas sensing properties of Cu-doped ZnO nanocrystalline thin films for sensor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 25063-25077.	1.1	5
29	Effect of additives and optimized Cyclic voltammetry parameters on the morphology of electrodeposited Tellurium thin film. <i>Journal of Electroanalytical Chemistry</i> , 2022, 925, 116872.	1.9	1
30	A room-temperature NO <sub>2</sub> sensor based on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene modified with sphere-like CuO. <i>Sensors and Actuators B: Chemical</i> , 2023, 375, 132885.	4.0	23
31	Maxwell displacement current induced wireless self-powered gas sensor array. <i>Materials Today Physics</i> , 2023, 30, 100951.	2.9	18
32	Local Gaussian process regression with small sample data for temperature and humidity compensation of polyaniline-cerium dioxide NH <sub>3</sub> sensor. <i>Sensors and Actuators B: Chemical</i> , 2023, 378, 133113.	4.0	33
33	Nanostructured metal oxide semiconductors and composites for reliable trace gas sensing at room temperature. <i>Surfaces and Interfaces</i> , 2023, 36, 102560.	1.5	5
34	Low-frequency noise in gas sensors: A review. <i>Sensors and Actuators B: Chemical</i> , 2023, 383, 133551.	4.0	6
35	Porous In <sub>2</sub> O <sub>3</sub> @ZnO nanofiber-based sensor for ultrasensitive room-temperature detection of toluene gas under UV illumination. <i>Journal of Materials Research and Technology</i> , 2023, 24, 2482-2499.	2.6	11
36	Highly selective NO <sub>2</sub> sensor based on Au/SnS <sub>2</sub> nano-heterostructures via visible-light modulation. <i>Applied Surface Science</i> , 2023, 623, 157093.	3.1	8

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43	Analysis of NO2 Removal Efficiency of Air Purification System in Bus Stop Using CFD. Environmental Science and Engineering, 2023, , 2025-2033.	0.1	0