

Yutong Han

List of Publications by Year in descending order

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papers

1,478
citations

394421

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docs citations

22
times ranked

1416
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Hetero-Nanostructures on MoS ₂ Nanosheets To Boost NO ₂ Room-Temperature Sensing. ACS Applied Materials & Interfaces, 2018, 10, 22640-22649.	8.0	199
2	An ultrasensitive NO ₂ gas sensor based on a hierarchical Cu ₂ O/CuO mesocrystal nanoflower. Journal of Materials Chemistry A, 2018, 6, 17120-17131.	10.3	122
3	Enhanced formaldehyde detection based on Ni doping of SnO ₂ nanoparticles by one-step synthesis. Sensors and Actuators B: Chemical, 2018, 263, 120-128.	7.8	107
4	Interface engineered WS ₂ /ZnS heterostructures for sensitive and reversible NO ₂ room temperature sensing. Sensors and Actuators B: Chemical, 2019, 296, 126666.	7.8	98
5	Ultrasensitive room temperature NO ₂ sensors based on liquid phase exfoliated WSe ₂ nanosheets. Sensors and Actuators B: Chemical, 2019, 300, 127013.	7.8	93
6	Controllable synthesis of heterostructured CuO@NiO nanotubes and their synergistic effect for glycol gas sensing. Sensors and Actuators B: Chemical, 2020, 304, 127347.	7.8	87
7	Two-dimensional Cd-doped porous Co ₃ O ₄ nanosheets for enhanced room-temperature NO ₂ sensing performance. Sensors and Actuators B: Chemical, 2020, 305, 127393.	7.8	87
8	Sonochemical synthesis of hierarchical WO ₃ flower-like spheres for highly efficient triethylamine detection. Sensors and Actuators B: Chemical, 2020, 306, 127536.	7.8	75
9	Controllable synthesis of crescent-shaped porous NiO nanoplates for conductometric ethanol gas sensors. Sensors and Actuators B: Chemical, 2019, 296, 126642.	7.8	74
10	Glucose-assisted synthesis of hierarchical flower-like Co ₃ O ₄ nanostructures assembled by porous nanosheets for enhanced acetone sensing. Sensors and Actuators B: Chemical, 2019, 288, 699-706.	7.8	66
11	Two-dimensional MoSe ₂ nanosheets via liquid-phase exfoliation for high-performance room temperature NO ₂ gas sensors. Nanotechnology, 2019, 30, 445503.	2.6	63
12	Ag-Modified 3D Reduced Graphene Oxide Aerogel-Based Sensor with an Embedded Microheater for a Fast Response and High-Sensitive Detection of NO ₂ . ACS Applied Materials & Interfaces, 2020, 12, 25243-25252.	8.0	56
13	Glucose-assisted synthesis of hierarchical NiO-ZnO heterostructure with enhanced glycol gas sensing performance. Sensors and Actuators B: Chemical, 2021, 329, 129167.	7.8	56
14	Hierarchical WS ₂ @WO ₃ Nanohybrids with P-N Heterojunctions for NO ₂ Detection. ACS Applied Nano Materials, 2021, 4, 1626-1634.	5.0	56
15	MoO ₃ /TiO ₂ /Ti ₃ C ₂ T _x nanocomposite based gas sensors for highly sensitive and selective isopropanol detection at room temperature. Journal of Materials Chemistry A, 2022, 10, 8283-8292.	10.3	54
16	A Novel Artificial Neuron-Like Gas Sensor Constructed from CuS Quantum Dots/Bi ₂ S ₃ Nanosheets. Nano-Micro Letters, 2022, 14, 8.	27.0	53
17	Wearable NO ₂ sensing and wireless application based on ZnS nanoparticles/nitrogen-doped reduced graphene oxide. Sensors and Actuators B: Chemical, 2021, 345, 130423.	7.8	44
18	Highly sensitive NO ₂ gas sensors based on hexagonal SnS ₂ nanoplates operating at room temperature. Nanotechnology, 2020, 31, 075501.	2.6	30

#	ARTICLE	IF	CITATIONS
19	Linear humidity response of carbon dot-modified molybdenum disulfide. Physical Chemistry Chemical Physics, 2018, 20, 4083-4091.	2.8	25
20	Enhanced dimethyl methylphosphonate detection based on two-dimensional WSe ₂ nanosheets at room temperature. Analyst, The, 2020, 145, 8059-8067.	3.5	21
21	Single-Nanowire Fuse for Ionization Gas Detection. Sensors, 2019, 19, 4358.	3.8	10
22	A Unique Ionization Gas Sensor With Extraordinary Susceptibility of Sub-1-Volt. IEEE Sensors Journal, 2020, 20, 3423-3428.	4.7	2