

Shirin Nasresfahani

List of Publications by Year in descending order

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20
papers

451
citations

933447

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839539

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20
docs citations

20
times ranked

548
citing authors

#	ARTICLE	IF	CITATIONS
1	Methane gas sensing properties of Pd-doped SnO ₂ /reduced graphene oxide synthesized by a facile hydrothermal route. <i>Materials Research Bulletin</i> , 2017, 89, 161-169.	5.2	103
2	Hydrothermally synthesized Pd-loaded SnO ₂ /partially reduced graphene oxide nanocomposite for effective detection of carbon monoxide at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 457-467.	7.8	66
3	Facile synthesis of PdO/SnO ₂ /CuO nanocomposite with enhanced carbon monoxide gas sensing performance at low operating temperature. <i>Materials Research Bulletin</i> , 2019, 118, 110496.	5.2	42
4	High-performance carbon monoxide gas sensor based on palladium/tin oxide/porous graphitic carbon nitride nanocomposite. <i>Journal of Alloys and Compounds</i> , 2019, 795, 79-90.	5.5	42
5	Fully integrated wearable humidity sensor based on hydrothermally synthesized partially reduced graphene oxide. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 448-456.	4.1	36
6	Improvement of the carbon monoxide gas sensing properties of polyaniline in the presence of gold nanoparticles at room temperature. <i>Synthetic Metals</i> , 2020, 265, 116404.	3.9	36
7	Nanofibers of Polyaniline and Cu(II)-Aspartic Acid for a Room-Temperature Carbon Monoxide Gas Sensor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39791-39805.	8.0	27
8	Influence of Pd/Pd ₂ decoration on the structural, electronic and sensing properties of monolayer graphene in the presence of methane molecule: A dispersion-corrected DFT study. <i>Surface Science</i> , 2017, 662, 93-101.	1.9	21
9	An enhanced Vis-NIR photodetector based on Ag@ PbS core-shell plasmonic heterostructure. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156831.	5.5	15
10	Highly Sensitive and Fast-Response Volatile Organic Compounds Sensors Based on Star-Shaped BaTiO ₃ /ZnO Heterostructures. <i>IEEE Sensors Journal</i> , 2021, 21, 4225-4232.	4.7	13
11	A dispersion-corrected DFT insight into the structural, electronic and CH ₄ adsorption properties of small tin-oxide clusters. <i>Journal of Alloys and Compounds</i> , 2018, 757, 382-392.	5.5	8
12	Enhanced relatively low-temperature carbon monoxide sensing properties of cupric oxide/porous graphitic carbon nitride heterojunction. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 113004.	4.1	7
13	Novel bipolar magnetic semiconductor materials formed by adsorption of methyl or halomethyles on the graphene: A spin-polarized density functional theory study. <i>Applied Surface Science</i> , 2022, 581, 152338.	6.1	7
14	Fabrication of ozone gas sensor based on FeOOH/single walled carbon nanotube-modified field effect transistor. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 946-958.	3.3	6
15	Specific H ₂ S Gas Sensor Based on Metal Nanoparticles, Sulfur and Nitrogen/Single-Walled Carbon Nanotube-Modified Field Effect Transistor. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2011, 1, 228-236.	0.3	6
16	Introducing efficient and stable Palladium@Titanium dioxide/carbon nitride nanosheet: Accelerating surface reactions for the selective detection of ethanol in a wide concentration range. <i>Ceramics International</i> , 2022, 48, 9824-9834.	4.8	6
17	Fabrication of Methane Sensor Using Inter-Digitated Electrode, Modified with Ag ₂ O, SiO ₂ , ZnO and MgO Nanoparticles-Mixed Multi-Walled Carbon Nanotubes as Specific Nanomaterials. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2013, 3, 202-210.	0.3	5
18	Application feasibility of palladium-decorated reduced graphene oxide as a CH ₄ gas nano-sensor from the perspective of the van der Waals corrected DFT computations. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 134, 114866.	2.7	4

#	ARTICLE	IF	CITATIONS
19	Methane gas detection at room temperature using Pd doped SnO ₂ /reduced graphene oxide nanocomposite. , 2016, , .		1
20	Pd@TiO ₂ Core-Shell Nanoparticles Supported by Graphite Carbon Nitride Nanosheets as a Sensitive Ethanol Sensor. , 2020, , .		0