Shirin Nasresfahani

List of Publications by Year
in descending order

20	451	933447 10	839539 18
papers	citations	h-index	g-index

20	20	20	548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel bipolar magnetic semiconductor materials formed by adsorption of methyl or halomethyles on the graphene: A spin-polarized density functional theory study. Applied Surface Science, 2022, 581, 152338.	6.1	7
2	Introducing efficient and stable Palladium@Titanium dioxide/carbon nitride nanosheet: Accelerating surface reactions for the selective detection of ethanol in a wide concentration range. Ceramics International, 2022, 48, 9824-9834.	4.8	6
3	An enhanced Vis-NIR photodetector based on Ag@ PbS core-shell plasmonic heterostructure. Journal of Alloys and Compounds, 2021, 850, 156831.	5.5	15
4	Highly Sensitive and Fast-Response Volatile Organic Compounds Sensors Based on Star-Shaped BaTiO₃/ZnO Heterostructures. IEEE Sensors Journal, 2021, 21, 4225-4232.	4.7	13
5	Nanofibers of Polyaniline and Cu(II)â€“<scp>l</scp>-Aspartic Acid for a Room-Temperature Carbon Monoxide Gas Sensor. ACS Applied Materials & Interfaces, 2021, 13, 39791-39805.	8.0	27
6	Application feasibility of palladium-decorated reduced graphene oxide as a CH4 gas nano-sensor from the perspective of the van der Waals corrected DFT computations. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114866.	2.7	4
7	Enhanced relatively low-temperature carbon monoxide sensing properties of cupric oxide/porous graphitic carbon nitride pâ€“n heterojunction. Sensors and Actuators A: Physical, 2021, 331, 113004.	4.1	7
8	Improvement of the carbon monoxide gas sensing properties of polyaniline in the presence of gold nanoparticles at room temperature. Synthetic Metals, 2020, 265, 116404.	3.9	36
9	Pd@TiO2 Core-Shell Nanoparticles Supported by Graphite Carbon Nitride Nanosheets as a Sensitive Ethanol Sensor. , 2020, , .		0
10	Facile synthesis of PdO/SnO2/CuO nanocomposite with enhanced carbon monoxide gas sensing performance at low operating temperature. Materials Research Bulletin, 2019, 118, 110496.	5.2	42
11	High-performance carbon monoxide gas sensor based on palladium/tin oxide/porous graphitic carbon nitride nanocomposite. Journal of Alloys and Compounds, 2019, 795, 79-90.	5.5	42
12	Hydrothermally synthesized Pd-loaded SnO2/partially reduced graphene oxide nanocomposite for effective detection of carbon monoxide at room temperature. Sensors and Actuators B: Chemical, 2018, 254, 457-467.	7.8	66
13	Fully integrated wearable humidity sensor based on hydrothermally synthesized partially reduced graphene oxide. Sensors and Actuators A: Physical, 2018, 279, 448-456.	4.1	36
14	A dispersion-corrected DFT insight into the structural, electronic and CH4 adsorption properties of small tin-oxide clusters. Journal of Alloys and Compounds, 2018, 757, 382-392.	5.5	8
15	Methane gas sensing properties of Pd-doped SnO 2 /reduced graphene oxide synthesized by a facile hydrothermal route. Materials Research Bulletin, 2017, 89, 161-169.	5.2	103
16	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. Surface Science, 2017, 662, 93-101.	1.9	21
17	Methane gas detection at room temperature using Pd doped SnO<inf>2</inf>/reduced graphene oxide nanocomposite. , 2016, , .		1
18	Fabrication of ozone gas sensor based on FeOOH/single walled carbon nanotube-modified field effect transistor. International Journal of Environmental Analytical Chemistry, 2013, 93, 946-958.	3.3	6

#	Article	IF	Citations
19	Fabrication of Methane Sensor Using Inter-Digitated Electrode, Modified with Ag₂O, SiO₂, ZnO and MgO Nanoparticles-Mixed Multi-Walled Carbon Nanotubes as Specific Nanomaterials. Journal of Nanoengineering and Nanomanufacturing, 2013, 3, 202-210.	0.3	5
20	Specific H2S Gas Sensor Based on Metal Nanoparticles, Sulfur and Nitrogen/Single-Walled Carbon Nanotube-Modified Field Effect Transistor. Journal of Nanoengineering and Nanomanufacturing, 2011, 1, 228-236.	0.3	6