Angiola Forleo

List of Publications by Year
in descending order

35 papers	1,087 citations	516710 16 h-index	477307 29 g-index
39 all docs	39 docs citations	39 times ranked	1611 citing authors

#	Article	IF	Citations
1	TiO2 nanowires array fabrication and gas sensing properties. Sensors and Actuators B: Chemical, 2008, 130, 70-76.	7.8	146
2	Nanostructured In2O3â€“SnO2 solâ€“gel thin film as material for NO2 detection. Sensors and Actuators B: Chemical, 2006, 114, 646-655.	7.8	126
3	Synthesis, electrical characterization, and gas sensing properties of molybdenum oxide nanorods. Applied Physics Letters, 2006, 88, 152111.	3.3	120
4	Synthesis and gas sensing properties of ZnO quantum dots. Sensors and Actuators B: Chemical, 2010, 146, 111-115.	7.8	115
5	Solid State Gas Sensors: State of the Art and Future Activities. ChemInform, 2004, 35, no.	0.0	83
6	Preparation and characterization of cobalt porphyrin modified tin dioxide films for sensor applications. Sensors and Actuators B: Chemical, 2004, 103, 339-343.	7.8	67
7	NO2-gas-sensing properties of mixed In2O3â€“SnO2 thin films. Thin Solid Films, 2005, 490, 68-73.	1.8	51
8	Fabrication at wafer level of miniaturized gas sensors based on SnO2 nanorods deposited by PECVD and gas sensing characteristics. Sensors and Actuators B: Chemical, 2011, 154, 283-287.	7.8	43
9	Linear temperature microhotplate gas sensor array for automotive cabin air quality monitoring. Sensors and Actuators B: Chemical, 2008, 134, 660-665.	7.8	40
10	Palladium/Î³-Fe2O3 nanoparticle mixtures for acetone and NO2 gas sensors. Sensors and Actuators B: Chemical, 2017, 243, 895-903.	7.8	38
11	Response evaluation of an E-nose towards contaminated wheat by Fusarium poae fungi. Sensors and Actuators B: Chemical, 2006, 118, 433-438.	7.8	37
12	Chromatographic analysis of VOC patterns in exhaled breath from smokers and nonsmokers. Biomedical Chromatography, 2018, 32, e4132.	1.7	36
13	Blood, urine and semen Volatile Organic Compound (VOC) pattern analysis for assessing health environmental impact in highly polluted areas in Italy. Environmental Pollution, 2021, 286, 117410.	7.5	28
14	A WO3-based gas sensor array with linear temperature gradient for wine quality monitoring. Sensors and Actuators B: Chemical, 2006, 117, 115-122.	7.8	25
15	Role of osmium in the electrical transport mechanism of polycrystalline tin oxide thin films. Applied Physics Letters, 2004, 84, 744-746.	3.3	21
16	HS-SPME-GC-MS metabolomics approach for sperm quality evaluation by semen volatile organic compounds (VOCs) analysis. Biomedical Physics and Engineering Express, 2018, 5, 015006.	1.2	21
17	Hall effect measurements in gas sensors based on nanosized os-doped sol-gel derived SnO/sub 2/ thin films. IEEE Sensors Journal, 2003, 3, 827-834.	4.7	13
18	Thermal annealing effect on nanostructured TiO2 microsensors by supersonic cluster beam deposition. Sensors and Actuators B: Chemical, 2005, 111-112, 22-27.	7.8	12

#	Article	IF	Citations
19	A novel human biomonitoring study by semiconductor gas sensors in Exposomics: investigation of health risk in contaminated sites. Environmental Pollution, 2022, 304, 119119.	7.5	11
20	The hydrolytic route to Co-porphyrin-doped SnO2 gas-sensing materials. Inorganica Chimica Acta, 2008, 361, 79-85.	2.4	9
21	Wafer-Level Fabrication and Gas Sensing Properties of miniaturized gas sensors based on Inductively Coupled Plasma Deposited Tin Oxide Nanorods. Procedia Chemistry, 2009, 1, 196-199.	0.7	9
22	Human Biomonitoring of Environmental and Occupational Exposures by GC-MS and Gas Sensor Systems: A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 10236.	2.6	8
23	Design of an Electronic Nose for Selective Phosphine Detection in Cereals. Sensor Letters, 2006, 4, 229-234.	0.4	5
24	Evaluation of the Volatile Organic Compounds Released from Peripheral Blood Mononuclear Cells and THP1 Cells Under Normal and Proinflammatory Conditions. Lecture Notes in Electrical Engineering, 2018, , 269-277.	0.4	5
25	In vitro profiling of endothelial volatile organic compounds under resting and pro-inflammatory conditions. Metabolomics, 2019, 15, 132.	3.0	4
26	<title>Microhotplate-based silicon gas sensor arrays with linear temperature gradient for wine quality monitoring</title>. , 2005, , .		3
27	Novel nano-hybrid gas sensor based on n-TiO2 functionalized by phthalocyanines via supersonic beam co-deposition: Performance and application to automotive air quality. , 2008, , .		2
28	Double Approach to Study VOC Composition in Biofluids of Young Men Living in the â€œLand of Firesâ€•in Campania Region. Lecture Notes in Electrical Engineering, 2020, , 103-109.	0.4	2
29	Fabrication at wafer level of micromachined gas sensors based on Sno<inf>2</inf> nanorods deposited by PECVD and gas sensing characteristics. , 2011, , .		1
30	Breath Analysis by a GC/MS Coupled to a Gas Sensor Detector. Lecture Notes in Electrical Engineering, 2018, , 267-275.	0.4	1
31	Gas Sensing Response Improvement of Well-Aligned TiO2 Nanowires Array. , 2006, , .		0
32	Nanofabrication of TiO 2 nanowires: I-V characteristic and improvement of metal oxides gas sensing properties. , 2007, , .		0
33	Iron Oxides Nanoparticles Langmuir-Schaeffer Multilayers for Chemoresistive Gas Sensing. Lecture Notes in Electrical Engineering, 2018, , 66-72.	0.4	0
34	PREPARATION OF NOVEL HYBRID SENSING MATERIALS: PORPHYRIN DOPED TIN DIOXIDE THIN FILMS. , 2004, , .		0
35	FIRB "SQUARE" PROJECT: NANO-STRUCTURED SENSORS FOR THE DETECTION OF THE POLLUTING IC ENGINE EXHAUST GASES AND FOR INDOOR AIR QUALITY MONITORING. , 2008, , .		0