JosÃ© Pedro Santos

List of Publications by Year
in descending order

54	1,584	218677	302126
papers	citations	26 h-index	39 g-index

55	55	55	1692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Web-Based Approach for Classifying Environmental Pollutants Using Portable E-nose Devices. IEEE Intelligent Systems, 2016, 31, 108-112.	4.0	92
2	Electronic nose for wine ageing detection. Sensors and Actuators B: Chemical, 2008, 133, 180-186.	7.8	81
3	Classification of white wine aromas with an electronic nose. Talanta, 2005, 67, 610-616.	5.5	77
4	Identification of typical wine aromas by means of an electronic nose. IEEE Sensors Journal, 2006, 6, 173-178.	4.7	68
5	Use of Electronic Noses for Diagnosis of Digestive and Respiratory Diseases through the Breath. Biosensors, 2019, 9, 35.	4.7	62
6	Ultrafine grain-size tin-oxide films for carbon monoxide monitoring in urban environments. Sensors and Actuators B: Chemical, 1995, 25, 559-563.	7.8	58
7	Correlating e-nose responses to wine sensorial descriptors and gas chromatographyâ€“mass spectrometry profiles using partial least squares regression analysis. Sensors and Actuators B: Chemical, 2007, 127, 267-276.	7.8	55
8	A comparative study of sensor array and GCâ€“MS: application to Madrid wines characterization. Sensors and Actuators B: Chemical, 2004, 102, 299-307.	7.8	54
9	Detection of volatile organic compounds using surface acoustic wave sensors with different polymer coatings. Thin Solid Films, 2004, 467, 234-238.	1.8	51
10	Love-wave sensor array to detect, discriminate and classify chemical warfare agent simulants. Sensors and Actuators B: Chemical, 2012, 175, 173-178.	7.8	49
11	Threshold detection of aromatic compounds in wine with an electronic nose and a human sensory panel. Talanta, 2010, 80, 1899-1906.	5.5	47
12	Analysis of neural networks and analysis of feature selection with genetic algorithm to discriminate among pollutant gas. Sensors and Actuators B: Chemical, 2004, 103, 122-128.	7.8	46
13	Microstructural characterization of nanograin tin oxide gas sensors. Scripta Materialia, 1997, 9, 43-52.	0.5	45
14	SAW sensor array for wine discrimination. Sensors and Actuators B: Chemical, 2005, 107, 291-295.	7.8	44
15	Wine classification with a zinc oxide SAW sensor array. Sensors and Actuators B: Chemical, 2006, 120, 166-171.	7.8	44
16	The effect of the oxygen concentration and the rf power on the zinc oxide films properties deposited by magnetron sputtering. Applied Surface Science, 2005, 245, 273-280.	6.1	42
17	Evaluation of Wine Aromatic Compounds by a Sensory Human Panel and an Electronic Nose. Journal of Agricultural and Food Chemistry, 2009, 57, 11543-11549.	5.2	42
18	Influence of the deposition conditions of SnO2 thin films by reactive sputtering on the sensitivity to urban pollutants. Sensors and Actuators B: Chemical, 1997, 45, 193-198.	7.8	39

#	Article	IF	Citations
19	Differentiation of red wines using an electronic nose based on surface acoustic wave devices. Talanta, 2006, 68, 1162-1165.	5.5	39
20	Comparative study of sampling systems combined with gas sensors for wine discrimination. Sensors and Actuators B: Chemical, 2007, 126, 616-623.	7.8	39
21	On-line classification of pollutants in water using wireless portable electronic noses. Chemosphere, 2016, 152, 107-116.	8.2	38
22	Enrichment sampling methods for wine discrimination with gas sensors. Journal of Food Composition and Analysis, 2008, 21, 716-723.	3.9	37
23	A Wireless and Portable Electronic Nose to Differentiate Musts of Different Ripeness Degree and Grape Varieties. Sensors, 2015, 15, 8429-8443.	3.8	33
24	Electronic nose for the identification of pig feeding and ripening time in Iberian hams. Meat Science, 2004, 66, 727-732.	5.5	31
25	Detection of bacteriophages in dynamic mode using a Love-wave immunosensor with microfluidics technology. Sensors and Actuators B: Chemical, 2013, 185, 218-224.	7.8	28
26	Single-walled carbon nanotube microsensors for nerve agent simulant detection. Sensors and Actuators B: Chemical, 2011, 157, 253-259.	7.8	27
27	Development of Tin Oxide-Based Nanosensors for Electronic Nose Environmental Applications. Biosensors, 2019, 9, 21.	4.7	27
28	Discrimination of different aromatic compounds in water, ethanol and wine with a thin film sensor array. Sensors and Actuators B: Chemical, 2004, 103, 98-103.	7.8	25
29	Love-Wave Sensors Combined with Microfluidics for Fast Detection of Biological Warfare Agents. Sensors, 2014, 14, 12658-12669.	3.8	25
30	Detection of toxic gases by a tin oxide multisensor. IEEE Sensors Journal, 2002, 2, 387-393.	4.7	23
31	Nanocrystalline Tin Oxide Nanofibers Deposited by a Novel Focused Electrospinning Method. Application to the Detection of TATP Precursors. Sensors, 2014, 14, 24231-24243.	3.8	23
32	Characterization of an array of Love-wave gas sensors developed using electrospinning technique to deposit nanofibers as sensitive layers. Talanta, 2014, 120, 408-412.	5.5	22
33	Structural studies of zinc oxide films grown by RF magnetron sputtering. Synthetic Metals, 2005, 148, 37-41.	3.9	21
34	Comparison of two types of acoustic biosensors to detect immunoreactions: Love-wave sensor working in dynamic mode and QCM working in static mode. Sensors and Actuators B: Chemical, 2013, 189, 123-129.	7.8	18
35	Automatic Sensor System for the Continuous Analysis of the Evolution of Wine. American Journal of Enology and Viticulture, 2015, 66, 148-155.	1.7	18
36	Artificial olfactory system for the classification of Iberian hams. Sensors and Actuators B: Chemical, 2003, 96, 621-629.	7.8	16

#	Article	IF	Citations
37	Fine-tuning of the resonant frequency using a hybrid coupler and fixed components in SAW oscillators for gas detection. Sensors and Actuators B: Chemical, 2004, 103, 139-144.	7.8	15
38	Graphene-Doped Tin Oxide Nanofibers and Nanoribbons as Gas Sensors to Detect Biomarkers of Different Diseases through the Breath. Sensors, 2020, 20, 7223.	3.8	13
39	Propagation of acoustic waves in metal oxide nanoparticle layers with catalytic metals for selective gas detection. Sensors and Actuators B: Chemical, 2015, 217, 65-71.	7.8	12
40	Wine Applications With Electronic Noses. , 2016, , 137-148.		12
41	Real time detection of beer defects with a hand held electronic nose. , 2015, , .		9
42	Electronic Noses Applications in Beer Technology. , 2017, , .		9
43	Detection of Acetic Acid in wine by means of an electronic nose. , 2011, , .		5
44	Tin Dioxide-Graphene Based Chemi-Device for NO2 Detection in the Sub ppm Range. Proceedings (mdpi), 2017, 1, .	0.2	5
45	Sensors and Systems for Environmental Monitoring and Control. Journal of Sensors, 2017, 2017, 1-2.	1.1	5
46	Chemiresistive sensors based on electrospun tin oxide nanofibers for detecting NO₂ at the sub-0.1 ppm level. , 2019, , .		4
47	Air quality monitoring using nanosensors. , 2020, , 9-31.		3
48	Discrimination and classification of chemical warfare agent simulants using a Love-wave sensor array. Procedia Engineering, 2011, 25, 23-26.	1.2	2
49	Discrimination of Aromas in Beer with Electronic Nose. , 2018, , .		2
50	Rapid and Non-Destructive Analysis of Corky Off-Flavors in Natural Cork Stoppers by a Wireless and Portable Electronic Nose. Sensors, 2022, 22, 4687.	3.8	1
51	Threshold detection of aromatic compounds in wine with an electronic nose and a human sensory panel. , 2009, , .		0
52	Comparative Evaluation between Two Acoustic Immunosensors: Love-wave and QCM, and Systems of Measurement: Dynamic and Static. Procedia Engineering, 2012, 47, 174-177.	1.2	0
53	A REstfull Approach for Classifying Pollutants in Water Using Neural Networks. Advances in Intelligent Systems and Computing, 2015, , 371-380.	0.6	0
54	Versatile electronic nose for the detection of chronic disease biomarkers through the breath. , 2022, , .		0