

Rosamaria Capuano

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,403
citations

393982

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329751

37
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all docs

52
docs citations

52
times ranked

2101
citing authors

#	ARTICLE	IF	CITATIONS
1	A Lab-on-a-Chip Based Automatic Platform for Continuous Nitrites Sensing in Aquaculture. <i>Sensors</i> , 2022, 22, 444.	2.1	6
2	Notice of Removal: A Movie Should Be Forever: Monitoring the Degradation Pathway of Photographic Films. , 2022, , .		0
3	Odorant Binding Proteins and Porphyrins Mixed Gas Sensor Array. , 2022, , .		0
4	Porphyrinoids coated silica nanoparticles capacitive sensors for COVID-19 detection from the analysis of blood serum volatolome. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132329.	4.0	3
5	Sensor array and gas chromatographic detection of the blood serum volatolomic signature of COVID-19. <i>IScience</i> , 2021, 24, 102851.	1.9	20
6	Urine LOX-1 and Volatilome as Promising Tools towards the Early Detection of Renal Cancer. <i>Cancers</i> , 2021, 13, 4213.	1.7	15
7	Optimization of gas sensors measurements by dynamic headspace analysis supported by simultaneous direct injection mass spectrometry. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130580.	4.0	2
8	<i>Aspergillus</i> Species Discrimination Using a Gas Sensor Array. <i>Sensors</i> , 2020, 20, 4004.	2.1	14
9	Simultaneous Proton Transfer Reaction-Mass Spectrometry and electronic nose study of the volatile compounds released by <i>Plasmodium falciparum</i> infected red blood cells in vitro. <i>Scientific Reports</i> , 2019, 9, 12360.	1.6	12
10	Simultaneous measurements with proton transfer reaction - time of flight and gas sensor array. , 2019, , .		1
11	Targeting LOX-1 Inhibits Colorectal Cancer Metastasis in an Animal Model. <i>Frontiers in Oncology</i> , 2019, 9, 927.	1.3	27
12	Sensors for Lung Cancer Diagnosis. <i>Journal of Clinical Medicine</i> , 2019, 8, 235.	1.0	32
13	Development of a Sensor Node for Remote Monitoring of Plants. <i>Sensors</i> , 2019, 19, 4865.	2.1	23
14	Chemically mediated species recognition in two sympatric Grayling butterflies: <i>Hipparchia fagi</i> and <i>Hipparchia hermione</i> (Lepidoptera: Nymphalidae, Satyrinae). <i>PLoS ONE</i> , 2018, 13, e0199997.	1.1	11
15	Volatile compounds emission from teratogenic human pluripotent stem cells observed during their differentiation in vivo. <i>Scientific Reports</i> , 2018, 8, 11056.	1.6	10
16	Sensor array detection of malaria volatile signature in a murine model. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 341-351.	4.0	12
17	Surface arrangement dependent selectivity of porphyrins gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 524-532.	4.0	30
18	A preliminary analysis of volatile metabolites of human induced pluripotent stem cells along the in vitro differentiation. <i>Scientific Reports</i> , 2017, 7, 1621.	1.6	15

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19	Identification of stem cells differentiation steps. , 2017, , .		0
20	Optimizing an array of self adapted temperature modulated metal oxide sensors for biomedical application. , 2017, , .		1
21	GC/MS-based Analysis of Volatile Metabolic Profile Along in vitro Differentiation of Human Induced Pluripotent Stem Cells. Bio-protocol, 2017, 7, e2642.	0.2	3
22	An Exploration of the Metal Dependent Selectivity of a Metalloporphyrins Coated Quartz Microbalances Array. Sensors, 2016, 16, 1640.	2.1	18
23	The lectin-like oxidized LDL receptor-1: a new potential molecular target in colorectal cancer. Oncotarget, 2016, 7, 14765-14780.	0.8	45
24	Spontaneous Deposition of Porphyrin-Based Layers on Polylysinated Substrates: Role of the Central Metal on Layer Structural and Sensing Properties. Journal of Physical Chemistry C, 2016, 120, 724-730.	1.5	6
25	Electronic Nose and Exhaled Breath NMR-based Metabolomics Applications in Airways Disease. Current Topics in Medicinal Chemistry, 2016, 16, 1610-1630.	1.0	65
26	Investigation of VOCs associated with different characteristics of breast cancer cells. Scientific Reports, 2015, 5, 13246.	1.6	60
27	The lung cancer breath signature: a comparative analysis of exhaled breath and air sampled from inside the lungs. Scientific Reports, 2015, 5, 16491.	1.6	82
28	Analysis of exhaled breath fingerprints and volatile organic compounds in COPD. COPD Research and Practice, 2015, 1, .	0.7	33
29	Corroles-Porphyrins: A Teamwork for Gas Sensor Arrays. Sensors, 2015, 15, 8121-8130.	2.1	31
30	Analysis of exhaled air for a rapid, sensible and specific diagnosis of COPD. , 2015, , .		1
31	An Investigation about the origin of the lung cancer signalling VOCs in breath. , 2014, , .		3
32	Chemical Sensors for Prostate Cancer Detection Oriented to Non-invasive Approach. Procedia Engineering, 2014, 87, 320-323.	1.2	13
33	Solid-state gas sensors for breath analysis: A review. Analytica Chimica Acta, 2014, 824, 1-17.	2.6	307
34	Prostate cancer diagnosis through electronic nose in the urine headspace setting: a pilot study. Prostate Cancer and Prostatic Diseases, 2014, 17, 206-211.	2.0	43
35	More than apples and oranges - Detecting cancer with a fruit fly's antenna. Scientific Reports, 2014, 4, 3576.	1.6	64
36	An Optical Sensor for Measuring Oxygen Concentration. Lecture Notes in Electrical Engineering, 2014, , 459-463.	0.3	0

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37	Volatile Emissions from Compressed Tissue. PLoS ONE, 2013, 8, e69271.	1.1	19
38	Electronic noses calibration procedure in the context of a multicentre medical study. Sensors and Actuators B: Chemical, 2012, 173, 555-561.	4.0	34
39	In situ detection of lung cancer volatile fingerprints using bronchoscopic air-sampling. Lung Cancer, 2012, 77, 46-50.	0.9	49
40	A Novel Approach for Prostate Cancer Diagnosis using a Gas Sensor Array. Procedia Engineering, 2012, 47, 1113-1116.	1.2	18
41	Sensing mechanisms of supramolecular porphyrin aggregates: a teamwork task for the detection of gaseous analytes. Journal of Materials Chemistry, 2011, 21, 18638.	6.7	22
42	Monitoring the Halitosis with an Electronic Nose. , 2011, , .		0
43	COPD Identification By The Analysis Of Breath With An Electronic Nose. , 2011, , .		1
44	Electronic Nose Characterization of the Quality Parameters of Freeze-Dried Bacteria. , 2011, , .		0
45	Olive Oil Headspace Characterization by a Gas Sensor Array. , 2011, , .		0
46	Differential Detection of Potentially Hazardous Fusarium Species in Wheat Grains by an Electronic Nose. PLoS ONE, 2011, 6, e21026.	1.1	51
47	Diagnostic Performance of an Electronic Nose, Fractional Exhaled Nitric Oxide, and Lung Function Testing in Asthma. Chest, 2010, 137, 790-796.	0.4	191
48	COPD diagnosis by a gas sensor array. Procedia Engineering, 2010, 5, 484-487.	1.2	6
49	Investigating the structure-sensitivity relationship of metalloporphyrins based chemical sensors. Procedia Chemistry, 2009, 1, 228-231.	0.7	0