

Marco Santonico

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

3,013
citations

172457

29
h-index

168389

53
g-index

118
all docs

118
docs citations

118
times ranked

3390
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiological Risk Assessment of Ready-to-Eat Leafy Green Salads via a Novel Electrochemical Sensor. <i>Chemosensors</i> , 2022, 10, 134.	3.6	5
2	Pneumopipe-sense: tailoring breath collection and analysis for mobile points-of-care. , 2022, , .		0
3	BIONOTE as an Innovative Biosensor for Measuring Endocannabinoid Levels. <i>Sensors</i> , 2021, 21, 489.	3.8	2
4	Development and Test of a Portable ECG Device with Dry Capacitive Electrodes and Driven Right Leg Circuit. <i>Sensors</i> , 2021, 21, 2777.	3.8	16
5	Design of an Innovative Methodology for Cerebrospinal Fluid Analysis: Preliminary Results. <i>Sensors</i> , 2021, 21, 3767.	3.8	4
6	Heart Rate Analysis through Smartphone Camera. , 2021, , .		1
7	Single beat ECG-based Identification System: development and robustness test in different working conditions. , 2021, , .		4
8	A Multi-Sensor System for Sea Water Iodide Monitoring and Seafood Quality Assurance: Proof-of-Concept Study. <i>Sensors</i> , 2021, 21, 4464.	3.8	3
9	Gut Microbiota and Related Electronic Multisensorial System Changes in Subjects With Symptomatic Uncomplicated Diverticular Disease Undergoing Rifaximin Therapy. <i>Frontiers in Medicine</i> , 2021, 8, 655474.	2.6	6
10	Biosensors for Detection and Monitoring of Joint Infections. <i>Chemosensors</i> , 2021, 9, 256.	3.6	2
11	Proof of Concept Study of an Electrochemical Sensor for Inland Water Monitoring with a Network Approach. <i>Remote Sensing</i> , 2021, 13, 4026.	4.0	2
12	A Sensor System for Non-Destructive Monitoring of Food Ripening Processes. , 2020, , .		0
13	Characterization of inflammatory profile by breath analysis in chronic coronary syndromes. <i>Journal of Cardiovascular Medicine</i> , 2020, 21, 675-681.	1.5	3
14	Integration of voltammetric analysis, protein electrophoresis and pH measurement for diagnosis of pleural effusions: a non-conventional diagnostic approach. <i>Scientific Reports</i> , 2020, 10, 15222.	3.3	3
15	Modular QMB sensors array for E-health applications. , 2020, , .		2
16	CO2 and O2 Detection by Electric Field Sensors. <i>Sensors</i> , 2020, 20, 668.	3.8	8
17	Voltammetric analysis for distinguishing portal hypertension-related from malignancy-related ascites: A proof of concept study. <i>PLoS ONE</i> , 2020, 15, e0233350.	2.5	5
18	Title is missing!. , 2020, 15, e0233350.		0

#	ARTICLE	IF	CITATIONS
19	Title is missing!. , 2020, 15, e0233350.		0
20	Title is missing!. , 2020, 15, e0233350.		0
21	Title is missing!., 2020, 15, e0233350.		0
22	Design And Development Of An Innovative Sensor System For Non-Invasive Monitoring Of Athletic Performances. , 2019, , .		7
23	Characterization of innovative sensors for volatile organic compounds trace compounds in biogas. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2321.	1.5	1
24	A Sensor Platform for Athletesâ€™ Training Supervision: A Proof of Concept Study. Sensors, 2019, 19, 3948.	3.8	5
25	Use of voltammetric analysis for fast and objective discrimination of the etiology, evolution, and bacterial infection of lower limb ulcers. Wound Repair and Regeneration, 2019, 27, 288-291.	3.0	4
26	Repeatability of exhaled breath fingerprint collected by a modern sampling system in asthmatic and healthy children. Journal of Breath Research, 2019, 13, 036007.	3.0	11
27	Introduction. Breathprinting: What, Why, How. , 2019, , 1-11.		2
28	Identification and prospective stability of electronic nose (eNose)â€‘derived inflammatory phenotypes in patients with severe asthma. Journal of Allergy and Clinical Immunology, 2019, 143, 1811-1820.e7.	2.9	74
29	Electronic Interface for a Gas Sensor System Based on 32 MHz QCMs: Design and Calibration. IEEE Sensors Journal, 2018, 18, 1419-1426.	4.7	10
30	Design and Development of an Electronic Interface for Gas Detection and Exhaled Breath Analysis in Liquids. IEEE Sensors Journal, 2018, 18, 31-36.	4.7	8
31	Breathprinting and Early Diagnosis of Lung Cancer. Journal of Thoracic Oncology, 2018, 13, 883-894.	1.1	36
32	A Gas Sensor with BLE connectivity for Wearable Applications â€™. Proceedings (mdpi), 2018, 2, 765.	0.2	5
33	An Open-Source Smart Sensor Architecture for Edge Computing in IoT Applications. Proceedings (mdpi), 2018, 2, 955.	0.2	6
34	An Innovative Liquid Biosensor for the Detection of Lipid Molecules Involved in Diseases of the Nervous System. Proceedings (mdpi), 2018, 2, 760.	0.2	4
35	Validation of exhaled volatile organic compounds analysis using electronic nose as index of COPD severity. International Journal of COPD, 2018, Volume 13, 1441-1448.	2.3	20
36	A Sensor System for the Monitoring of Production Processes of Low FODMAP Food. Proceedings (mdpi), 2018, 2, 761.	0.2	1

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37	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.	2.5	11
38	A Smart Sensor Architecture for eHealth Applications. , 2018, , .		4
39	Resonant Directly Coupled Inductorsâ€“Capacitors Ladder Network Shows a New, Interesting Property Useful for Application in the Sensor Field, Down to Micrometric Dimensions. <i>Micromachines</i> , 2018, 9, 343.	2.9	3
40	Voltammetric analysis for fast and inexpensive diagnosis of urinary tract infection: a diagnostic study. <i>Journal of Translational Medicine</i> , 2018, 16, 17.	4.4	9
41	Environmental conditions influence the biochemical properties of the fruiting bodies of <i>Tuber magnatum</i> Pico. <i>Scientific Reports</i> , 2018, 8, 7243.	3.3	27
42	Cluster analysis on breath print of newly diagnosed COPD patients: effects of therapy. <i>Journal of Breath Research</i> , 2018, 12, 036022.	3.0	12
43	Advances in the Electronics for Cyclic Voltammetry: the Case of Gas Detection by Using Microfabricated Electrodes. <i>Frontiers in Chemistry</i> , 2018, 6, 327.	3.6	12
44	Equivalent electric circuits for chemical sensors in the Langmuir regime. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 214-220.	7.8	13
45	A European Respiratory Society technical standard: exhaled biomarkers in lung disease. <i>European Respiratory Journal</i> , 2017, 49, 1600965.	6.7	432
46	Screening of Obstructive Sleep Apnea Syndrome by Electronic-Nose Analysis of Volatile Organic Compounds. <i>Scientific Reports</i> , 2017, 7, 11938.	3.3	22
47	Breathâ€™print analysis by eâ€™nose may refine risk stratification for adverse outcomes in cirrhotic patients. <i>Liver International</i> , 2017, 37, 242-250.	3.9	11
48	A Non Invasive Sensor System for the Screening of Obstructive Sleep Apnea Syndrome. <i>Proceedings (mdpi)</i> , 2017, 1, 426.	0.2	2
49	A Gas Sensor Device for Oxygen and Carbon Dioxide Detection. <i>Proceedings (mdpi)</i> , 2017, 1, 447.	0.2	6
50	Breath-print analysis by e-nose for classifying and monitoring chronic liver disease: a proof-of-concept study. <i>Scientific Reports</i> , 2016, 6, 25337.	3.3	41
51	Non-invasive monitoring of lower-limb ulcers via exudate fingerprinting using BIONOTE. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 68-74.	7.8	11
52	Investigating a single sensor ability in the characterisation of drinkable water: a pilot study. <i>Water and Environment Journal</i> , 2016, 30, 253-260.	2.2	9
53	Volatile signature for the early diagnosis of lung cancer. <i>Journal of Breath Research</i> , 2016, 10, 016007.	3.0	108
54	BIONOTE e-nose technology may reduce false positives in lung cancer screening programmes. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 1112-1117.	1.4	38

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55	The lung cancer breath signature: a comparative analysis of exhaled breath and air sampled from inside the lungs. Scientific Reports, 2015, 5, 16491.	3.3	82
56	Unmasking of Olive Oil Adulteration Via a Multi-Sensor Platform. Sensors, 2015, 15, 21660-21672.	3.8	21
57	Multi-Sensor Approach for the Monitoring of Halitosis Treatment via Lactobacillus brevis (CD2)â€™Containing Lozengesâ€™A Randomized, Double-Blind Placebo-Controlled Clinical Trial. Sensors, 2015, 15, 19583-19596.	3.8	24
58	A sensorial platform for mozzarella cheese characterization and authentication. , 2015, , .		0
59	Breathprinting of liver diseases. , 2015, , .		2
60	A multi-frequency system for glucose detection with optical sensors. , 2015, , .		1
61	Exhaled breath analysis by electronic nose in respiratory diseases. Expert Review of Molecular Diagnostics, 2015, 15, 933-956.	3.1	52
62	A simplified architecture for differential capacitance sensors. , 2015, , .		2
63	Comorbidity modulates non invasive ventilation-induced changes in breath print of obstructive sleep apnea syndrome patients. Sleep and Breathing, 2015, 19, 623-630.	1.7	37
64	Screening of volatile compounds composition of white truffle during storage by GCxGC-(FID/MS) and gas sensor array analyses. LWT - Food Science and Technology, 2015, 60, 905-913.	5.2	42
65	Chemical Sensor Approach to Volatile Phenotyping of Respiratory Diseases. Procedia Engineering, 2014, 87, 664-667.	1.2	0
66	An investigation on e-nose platform relevance to respiratory diseases. , 2014, , .		1
67	An Investigation about the origin of the lung cancer signalling VOCs in breath. , 2014, , .		3
68	Chemical Sensors for Prostate Cancer Detection Oriented to Non-invasive Approach. Procedia Engineering, 2014, 87, 320-323.	1.2	13
69	Innovative IAQ Organic Sensor. Procedia Engineering, 2014, 87, 1326-1329.	1.2	0
70	The Presence of the Fibonacci Numbers in Passive Ladder Networks: The Case of Forbidden Bands [Historical Corner]. IEEE Antennas and Propagation Magazine, 2014, 56, 275-287.	1.4	3
71	Chronic Obstructive Pulmonary Disease in the elderly. European Journal of Internal Medicine, 2014, 25, 320-328.	2.2	51
72	Measure chain for exhaled breath collection and analysis: A novel approach suitable for frail respiratory patients. Sensors and Actuators B: Chemical, 2014, 204, 578-587.	7.8	29

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73	Prostate cancer diagnosis through electronic nose in the urine headspace setting: a pilot study. Prostate Cancer and Prostatic Diseases, 2014, 17, 206-211.	3.9	43
74	Ultrasound Based Sensor for Fat Detection in Fresh Milk. Lecture Notes in Electrical Engineering, 2014, , 499-502.	0.4	1
75	Narrowing the gap between breathprinting and disease diagnosis, a sensor perspective. Sensors and Actuators B: Chemical, 2013, 179, 270-275.	7.8	18
76	Electronic nose and GC-MS analysis of volatile compounds in Tuber magnatum Pico: Evaluation of different storage conditions. Food Chemistry, 2013, 136, 668-674.	8.2	57
77	Design and Test of a Biosensor-Based Multisensorial System: A Proof of Concept Study. Sensors, 2013, 13, 16625-16640.	3.8	60
78	Electronic noses calibration procedure in the context of a multicentre medical study. Sensors and Actuators B: Chemical, 2012, 173, 555-561.	7.8	34
79	In situ detection of lung cancer volatile fingerprints using bronchoscopic air-sampling. Lung Cancer, 2012, 77, 46-50.	2.0	49
80	Detection and identification of cancers by the electronic nose. Expert Opinion on Medical Diagnostics, 2012, 6, 175-185.	1.6	43
81	A Novel Approach for Prostate Cancer Diagnosis using a Gas Sensor Array. Procedia Engineering, 2012, 47, 1113-1116.	1.2	18
82	Carbon nanotubes modified with porphyrin units for gaseous phase chemical sensing. Sensors and Actuators B: Chemical, 2012, 170, 163-171.	7.8	44
83	Reproducibility and Respiratory Function Correlates of Exhaled Breath Fingerprint in Chronic Obstructive Pulmonary Disease. PLoS ONE, 2012, 7, e45396.	2.5	47
84	Monitoring the Halitosis with an Electronic Nose. , 2011, , .		0
85	Monitoring of melanoma released volatile compounds by a gas sensors array: From in vitro to in vivo experiments. Sensors and Actuators B: Chemical, 2011, 154, 288-294.	7.8	20
86	Short time gas delivery pattern improves long-term sensor reproducibility. Sensors and Actuators B: Chemical, 2011, 156, 753-759.	7.8	22
87	COPD Identification By The Analysis Of Breath With An Electronic Nose. , 2011, , .		1
88	Electronic Nose Characterization of the Quality Parameters of Freeze-Dried Bacteria. , 2011, , .		0
89	Exhaled Breath Analysis for the Monitoring of Elderly COPD Patients Health-state. , 2011, , .		3
90	Olive Oil Headspace Characterization by a Gas Sensor Array. , 2011, , .		0

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91	Differential Detection of Potentially Hazardous Fusarium Species in Wheat Grains by an Electronic Nose. PLoS ONE, 2011, 6, e21026.	2.5	51
92	Diagnostic Performance of an Electronic Nose, Fractional Exhaled Nitric Oxide, and Lung Function Testing in Asthma. Chest, 2010, 137, 790-796.	0.8	191
93	Evaluation of the performance of sensors based on optical imaging of a chemically sensitive layer. Analytical and Bioanalytical Chemistry, 2010, 397, 613-621.	3.7	10
94	A sensor array and GC study about VOCs and cancer cells. Sensors and Actuators B: Chemical, 2010, 146, 483-488.	7.8	31
95	COPD diagnosis by a gas sensor array. Procedia Engineering, 2010, 5, 484-487.	1.2	6
96	SWCNTs Modified with Porphyrin Units for Chemical Sensing Applications. Procedia Engineering, 2010, 5, 1043-1046.	1.2	4
97	Electronic nose to study postharvest dehydration of wine grapes. Food Chemistry, 2010, 121, 789-796.	8.2	62
98	An investigation on electronic nose diagnosis of lung cancer. Lung Cancer, 2010, 68, 170-176.	2.0	271
99	An Experimental Methodology For The Analysis Of The Headspace Of In-Vitro Culture Cells. , 2009, , .		1
100	Design Of A Sorbentâ•desorbent Unit For Sample Pre-treatment Optimized For QMB Gas Sensors. , 2009, , .		1
101	Investigating the structure-sensitivity relationship of metalloporphyrins based chemical sensors. Procedia Chemistry, 2009, 1, 228-231.	0.7	0
102	A sensor array based on mass and capacitance transducers for the detection of adulterated gasolines. Sensors and Actuators B: Chemical, 2009, 140, 508-513.	7.8	26
103	Detection of Natural Cr(VI) with Computer Screen Photo-assisted Technology. Procedia Chemistry, 2009, 1, 317-320.	0.7	7
104	Melanoma Volatile Fingerprint with a Gas Sensor Array: In Vivo and In Vitro Study. Procedia Chemistry, 2009, 1, 995-998.	0.7	6
105	Olfactory systems for medical applications. Sensors and Actuators B: Chemical, 2008, 130, 458-465.	7.8	138
106	A preliminary study on the possibility to diagnose urinary tract cancers by an electronic nose. Sensors and Actuators B: Chemical, 2008, 131, 1-4.	7.8	77
107	Study of the aroma of artificially flavoured custards by chemical sensor array fingerprinting. Sensors and Actuators B: Chemical, 2008, 133, 345-351.	7.8	34
108	Identification of melanoma with a gas sensor array. Skin Research and Technology, 2008, 14, 226-236.	1.6	87

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109	Application of a quartz microbalance based gas sensor array for the study of halitosis. Journal of Breath Research, 2008, 2, 017009.	3.0	25
110	Gas sensitivity of amino acids monolayers. , 2008, , .		0
111	Fish freshness detection by a computer screen photoassisted based gas sensor array. Analytica Chimica Acta, 2007, 582, 320-328.	5.4	93
112	Design and test of an electronic nose for monitoring the air quality in the international space station. Microgravity Science and Technology, 2007, 19, 60-64.	1.4	13
113	Sorting of apricots with computer screen photoassisted spectral reflectance analysis and electronic nose. Sensors and Actuators B: Chemical, 2006, 119, 70-77.	7.8	18
114	DATA ANALYSIS FOR CHEMICAL SENSOR ARRAYS. , 2006, , 147-169.		6