

Pietro Salvo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9032127/publications.pdf>

Version: 2024-02-01

62
papers

2,399
citations

257450

24
h-index

214800

47
g-index

69
all docs

69
docs citations

69
times ranked

3503
citing authors

#	ARTICLE	IF	CITATIONS
1	BIOTEX”Biosensing Textiles for Personalised Healthcare Management. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 364-370.	3.2	274
2	A 3D printed dry electrode for ECG/EEG recording. Sensors and Actuators A: Physical, 2012, 174, 96-102.	4.1	211
3	Saliva sampling: Methods and devices. An overview. TrAC - Trends in Analytical Chemistry, 2020, 124, 115781.	11.4	149
4	Three-Dimensional (3D) Laser-Induced Graphene: Structure, Properties, and Application to Chemical Sensing. ACS Applied Materials & Interfaces, 2021, 13, 30245-30260.	8.0	128
5	Graphene-based devices for measuring pH. Sensors and Actuators B: Chemical, 2018, 256, 976-991.	7.8	111
6	A Wearable Sensor for Measuring Sweat Rate. IEEE Sensors Journal, 2010, 10, 1557-1558.	4.7	110
7	Water sorption by anhydrous ionic liquids. Green Chemistry, 2011, 13, 1712.	9.0	102
8	Temperature and pH sensors based on graphenic materials. Biosensors and Bioelectronics, 2017, 91, 870-877.	10.1	83
9	Sensors and Biosensors for C-Reactive Protein, Temperature and pH, and Their Applications for Monitoring Wound Healing: A Review. Sensors, 2017, 17, 2952.	3.8	81
10	Electrochemical biosensor platform for TNF- α cytokines detection in both artificial and human saliva: Heart failure. Sensors and Actuators B: Chemical, 2017, 251, 1026-1033.	7.8	75
11	Advances in biosensing: The CRISPR/Cas system as a new powerful tool for the detection of nucleic acids. Journal of Pharmaceutical and Biomedical Analysis, 2021, 192, 113645.	2.8	63
12	The role of biomedical sensors in wound healing. Wound Medicine, 2015, 8, 15-18.	2.7	58
13	Temperature- and pH-sensitive wearable materials for monitoring foot ulcers. International Journal of Nanomedicine, 2017, Volume 12, 949-954.	6.7	53
14	Potentiometric sensor for non invasive lactate determination in human sweat. Analytica Chimica Acta, 2017, 989, 80-87.	5.4	52
15	Determination of volatile organic compounds in exhaled breath of heart failure patients by needle trap micro-extraction coupled with gas chromatography-tandem mass spectrometry. Journal of Breath Research, 2017, 11, 047110.	3.0	50
16	Correlation Between Wound Temperature Obtained With an Infrared Camera and Clinical Wound Bed Score in Venous Leg Ulcers. Wounds, 2015, 27, 274-8.	0.5	50
17	Determination of salivary α -amylase and cortisol in psoriatic subjects undergoing the Trier Social Stress Test. Microchemical Journal, 2018, 136, 177-184.	4.5	38
18	Reliable stretchable gold interconnects in biocompatible elastomers. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 773-776.	2.1	35

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19	Recent Advances in Optical, Electrochemical and Field Effect pH Sensors. <i>Chemosensors</i> , 2021, 9, 33.	3.6	33
20	Textile sensors to measure sweat pH and sweat-rate during exercise. , 2009, , .		32
21	Biosensors for measuring matrix metalloproteinases: An emerging research field. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 35-50.	11.4	31
22	A temperature-sensitive RFID tag for the identification of cold chain failures. <i>Sensors and Actuators A: Physical</i> , 2020, 313, 112182.	4.1	31
23	Room temperature amine sensors enabled by sidewall functionalization of single-walled carbon nanotubes. <i>RSC Advances</i> , 2018, 8, 5578-5585.	3.6	30
24	A wearable sweat rate sensor to monitor the athletes'™ performance during training. <i>Science and Sports</i> , 2018, 33, e51-e58.	0.5	30
25	The novel Mechanical Ventilator Milano for the COVID-19 pandemic. <i>Physics of Fluids</i> , 2021, 33, 037122.	4.0	29
26	A voltammetric pH sensor for food and biological matrices. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128650.	7.8	28
27	Microbial biofilm monitoring by electrochemical transduction methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116134.	11.4	25
28	Salivary lactate and 8-isoprostaglandin F ₂ ± as potential non-invasive biomarkers for monitoring heart failure: a pilot study. <i>Scientific Reports</i> , 2020, 10, 7441.	3.3	23
29	Using labelled internal standards to improve needle trap micro-extraction technique prior to gas chromatography/mass spectrometry. <i>Talanta</i> , 2019, 200, 145-155.	5.5	22
30	A dual mode breath sampler for the collection of the end-tidal and dead space fractions. <i>Medical Engineering and Physics</i> , 2015, 37, 539-544.	1.7	21
31	Micro-extraction by packed sorbent combined with UHPLC-ESI-MS/MS for the determination of prostanoids and isoprostanoids in dried blood spots. <i>Talanta</i> , 2020, 206, 120236.	5.5	21
32	A graphenic and potentiometric sensor for monitoring the growth of bacterial biofilms. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128662.	7.8	21
33	Remote monitoring of seawater temperature and pH by low cost sensors. <i>Microchemical Journal</i> , 2019, 148, 248-252.	4.5	20
34	A Graphenic Biosensor for Real-Time Monitoring of Urea During Dialysis. <i>IEEE Sensors Journal</i> , 2020, 20, 4571-4578.	4.7	20
35	Characterization of a carbon nanotube polymer composite sensor for an impedimetric electronic tongue. <i>Mikrochimica Acta</i> , 2008, 163, 57-62.	5.0	19
36	A graphene oxide pH sensor for wound monitoring. , 2016, 2016, 1898-1901.		19

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37	Determination of carbonyl compounds in exhaled breath by on-sorbent derivatization coupled with thermal desorption and gas chromatography-tandem mass spectrometry. <i>Journal of Breath Research</i> , 2018, 12, 046004.	3.0	17
38	Determination and stability of N-terminal pro-brain natriuretic peptide in saliva samples for monitoring heart failure. <i>Scientific Reports</i> , 2021, 11, 13088.	3.3	17
39	Pressure mapping with textile sensors for compression therapy monitoring. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2016, 230, 795-808.	1.8	16
40	Effects of thermal annealing on SEBS/MWCNTs temperature-sensitive nanocomposites for the measurement of skin temperature. <i>Materials Chemistry and Physics</i> , 2017, 186, 456-461.	4.0	15
41	Potential markers of healing from near infrared spectroscopy imaging of venous leg ulcer. A randomized controlled clinical trial comparing conventional with hyperbaric oxygen treatment. <i>Wound Repair and Regeneration</i> , 2020, 28, 856-866.	3.0	14
42	Adhesive bonding by SU-8 transfer for assembling microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 987-991.	2.2	12
43	Stability of volatile organic compounds in sorbent tubes following SARS-CoV-2 inactivation procedures. <i>Journal of Breath Research</i> , 2021, 15, 037102.	3.0	12
44	Feasibility Study and Performance Analysis of a Gyroless Orientation Tracker. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012, 61, 2274-2282.	4.7	10
45	A breath sampling system assessing the influence of respiratory rate on exhaled breath composition. , 2015, 2015, 7618-21.		10
46	Biosensors for Detecting Lymphocytes and Immunoglobulins. <i>Biosensors</i> , 2020, 10, 155.	4.7	10
47	Effects of long-term vegan diet on breath composition. <i>Journal of Breath Research</i> , 2022, 16, 026004.	3.0	10
48	PDMS Selective Bonding for the Fabrication of Biocompatible All Polymer NC Microvalves. <i>Journal of Microelectromechanical Systems</i> , 2013, 22, 1354-1360.	2.5	9
49	Fabrication and functionalization of PCB gold electrodes suitable for DNA-based electrochemical sensing. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 1705-1714.	0.6	9
50	Effectiveness of Blue light photobiomodulation therapy in the treatment of chronic wounds. Results of the Blue Light for Ulcer Reduction (B.L.U.R.) Study. <i>Italian Journal of Dermatology and Venereology</i> , 2022, 157, .	0.2	9
51	A graphene-based pH sensor on paper for human plasma and seawater. , 2019, 2019, 1563-1566.		8
52	Potential correlation of wound bed score and biomarkers in chronic lower leg wounds: an exploratory study. <i>Journal of Wound Care</i> , 2017, 26, S9-S17.	1.2	7
53	A Biosensor for the Detection of Acetylcholine and Diazinon. , 2019, 2019, 1159-1162.		7
54	Salivary Biomarkers for Diagnosis and Therapy Monitoring in Patients with Heart Failure. A Systematic Review. <i>Diagnostics</i> , 2021, 11, 824.	2.6	7

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55	Stretchable biocompatible electronics by embedding electrical circuitry in biocompatible elastomers. , 2012, 2012, 6007-10.		5
56	SWAN-iCare: A smart wearable and autonomous negative pressure device for wound monitoring and therapy. , 2013, , .		5
57	A D-optimal design to model the performances of dressings and devices for negative pressure wound therapy. Journal of Tissue Viability, 2016, 25, 83-90.	2.0	5
58	KardiaTool: An Integrated POC Solution for Non-invasive Diagnosis and Therapy Monitoring of Heart Failure Patients. , 2018, 2018, 3878-3881.		5
59	KardiaSoft Architecture â€” A Software Supporting Diagnosis and Therapy Monitoring of Heart Failure Patients Exploiting Saliva Biomarkers. , 2019, 2019, 1382-1385.		1
60	Use of Functional Magnetic Resonance Imaging (fMRI) for the investigation of the Human Olfactory System. , 2007, , .		0
61	Disposable Sensors for Monitoring Chronic Wounds. Proceedings (mdpi), 2017, 1, 838.	0.2	0
62	A sampler prototype for the simultaneous collection of exhaled air and breath condensate. , 2019, 2019, 2226-2229.		0