

# Pietro Salvo

## List of Publications by Year in descending order

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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	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. Italian Journal of Dermatology and Venereology, 2022, 157, .	0.2	9
2	Effects of long-term vegan diet on breath composition. Journal of Breath Research, 2022, 16, 026004.	3.0	10
3	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
4	Microbial biofilm monitoring by electrochemical transduction methods. TrAC - Trends in Analytical Chemistry, 2021, 134, 116134.	11.4	25
5	Recent Advances in Optical, Electrochemical and Field Effect pH Sensors. Chemosensors, 2021, 9, 33.	3.6	33
6	The novel Mechanical Ventilator Milano for the COVID-19 pandemic. Physics of Fluids, 2021, 33, 037122.	4.0	29
7	Stability of volatile organic compounds in sorbent tubes following SARS-CoV-2 inactivation procedures. Journal of Breath Research, 2021, 15, 037102.	3.0	12
8	Salivary Biomarkers for Diagnosis and Therapy Monitoring in Patients with Heart Failure. A Systematic Review. Diagnostics, 2021, 11, 824.	2.6	7
9	Three-Dimensional (3D) Laser-Induced Graphene: Structure, Properties, and Application to Chemical Sensing. ACS Applied Materials & Interfaces, 2021, 13, 30245-30260.	8.0	128
10	Determination and stability of N-terminal pro-brain natriuretic peptide in saliva samples for monitoring heart failure. Scientific Reports, 2021, 11, 13088.	3.3	17
11	Micro-extraction by packed sorbent combined with UHPLC-ESI-MS/MS for the determination of prostanoids and isoprostanoids in dried blood spots. Talanta, 2020, 206, 120236.	5.5	21
12	Saliva sampling: Methods and devices. An overview. TrAC - Trends in Analytical Chemistry, 2020, 124, 115781.	11.4	149
13	A voltammetric pH sensor for food and biological matrices. Sensors and Actuators B: Chemical, 2020, 322, 128650.	7.8	28
14	A graphenic and potentiometric sensor for monitoring the growth of bacterial biofilms. Sensors and Actuators B: Chemical, 2020, 323, 128662.	7.8	21
15	Potential markers of healing from near infrared spectroscopy imaging of venous leg ulcer. A randomized controlled clinical trial comparing conventional with hyperbaric oxygen treatment. Wound Repair and Regeneration, 2020, 28, 856-866.	3.0	14
16	Biosensors for Detecting Lymphocytes and Immunoglobulins. Biosensors, 2020, 10, 155.	4.7	10
17	Salivary lactate and 8-isoprostaglandin F <sub>2</sub> I <sub>2</sub> as potential non-invasive biomarkers for monitoring heart failure: a pilot study. Scientific Reports, 2020, 10, 7441.	3.3	23
18	A temperature-sensitive RFID tag for the identification of cold chain failures. Sensors and Actuators A: Physical, 2020, 313, 112182.	4.1	31

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19	A Graphenic Biosensor for Real-Time Monitoring of Urea During Dialysis. IEEE Sensors Journal, 2020, 20, 4571-4578.	4.7	20
20	A graphene-based pH sensor on paper for human plasma and seawater. , 2019, 2019, 1563-1566.		8
21	Remote monitoring of seawater temperature and pH by low cost sensors. Microchemical Journal, 2019, 148, 248-252.	4.5	20
22	Using labelled internal standards to improve needle trap micro-extraction technique prior to gas chromatography/mass spectrometry. Talanta, 2019, 200, 145-155.	5.5	22
23	A sampler prototype for the simultaneous collection of exhaled air and breath condensate. , 2019, 2019, 2226-2229.		0
24	KardiaSoft Architecture – A Software Supporting Diagnosis and Therapy Monitoring of Heart Failure Patients Exploiting Saliva Biomarkers. , 2019, 2019, 1382-1385.		1
25	A Biosensor for the Detection of Acetylcholine and Diazinon. , 2019, 2019, 1159-1162.		7
26	Biosensors for measuring matrix metalloproteinases: An emerging research field. TrAC - Trends in Analytical Chemistry, 2019, 110, 35-50.	11.4	31
27	Room temperature amine sensors enabled by sidewall functionalization of single-walled carbon nanotubes. RSC Advances, 2018, 8, 5578-5585.	3.6	30
28	Determination of salivary $\alpha$ -amylase and cortisol in psoriatic subjects undergoing the Trier Social Stress Test. Microchemical Journal, 2018, 136, 177-184.	4.5	38
29	Graphene-based devices for measuring pH. Sensors and Actuators B: Chemical, 2018, 256, 976-991.	7.8	111
30	A wearable sweat rate sensor to monitor the athletes'™ performance during training. Science and Sports, 2018, 33, e51-e58.	0.5	30
31	KardiaTool: An Integrated POC Solution for Non-invasive Diagnosis and Therapy Monitoring of Heart Failure Patients. , 2018, 2018, 3878-3881.		5
32	Determination of carbonyl compounds in exhaled breath by on-sorbent derivatization coupled with thermal desorption and gas chromatography-tandem mass spectrometry. Journal of Breath Research, 2018, 12, 046004.	3.0	17
33	Temperature and pH sensors based on graphenic materials. Biosensors and Bioelectronics, 2017, 91, 870-877.	10.1	83
34	Electrochemical biosensor platform for TNF- $\alpha$ cytokines detection in both artificial and human saliva: Heart failure. Sensors and Actuators B: Chemical, 2017, 251, 1026-1033.	7.8	75
35	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
36	Potential correlation of wound bed score and biomarkers in chronic lower leg wounds: an exploratory study. Journal of Wound Care, 2017, 26, S9-S17.	1.2	7

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37	Potentiometric sensor for non invasive lactate determination in human sweat. <i>Analytica Chimica Acta</i> , 2017, 989, 80-87.	5.4	52
38	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
39	Temperature- and pH-sensitive wearable materials for monitoring foot ulcers. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 949-954.	6.7	53
40	Disposable Sensors for Monitoring Chronic Wounds. <i>Proceedings (mdpi)</i> , 2017, 1, 838.	0.2	0
41	Sensors and Biosensors for C-Reactive Protein, Temperature and pH, and Their Applications for Monitoring Wound Healing: A Review. <i>Sensors</i> , 2017, 17, 2952.	3.8	81
42	A graphene oxide pH sensor for wound monitoring. , 2016, 2016, 1898-1901.		19
43	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
44	A D-optimal design to model the performances of dressings and devices for negative pressure wound therapy. <i>Journal of Tissue Viability</i> , 2016, 25, 83-90.	2.0	5
45	A breath sampling system assessing the influence of respiratory rate on exhaled breath composition. , 2015, 2015, 7618-21.		10
46	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
47	The role of biomedical sensors in wound healing. <i>Wound Medicine</i> , 2015, 8, 15-18.	2.7	58
48	Correlation Between Wound Temperature Obtained With an Infrared Camera and Clinical Wound Bed Score in Venous Leg Ulcers. <i>Wounds</i> , 2015, 27, 274-8.	0.5	50
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	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
51	SWAN-iCare: A smart wearable and autonomous negative pressure device for wound monitoring and therapy. , 2013, , .		5
52	Stretchable biocompatible electronics by embedding electrical circuitry in biocompatible elastomers. , 2012, 2012, 6007-10.		5
53	Adhesive bonding by SU-8 transfer for assembling microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 987-991.	2.2	12
54	Reliable stretchable gold interconnects in biocompatible elastomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 773-776.	2.1	35

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55	A 3D printed dry electrode for ECG/EEG recording. <i>Sensors and Actuators A: Physical</i> , 2012, 174, 96-102.	4.1	211
56	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
57	Water sorption by anhydrous ionic liquids. <i>Green Chemistry</i> , 2011, 13, 1712.	9.0	102
58	BIOTEX – Biosensing Textiles for Personalised Healthcare Management. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 364-370.	3.2	274
59	A Wearable Sensor for Measuring Sweat Rate. <i>IEEE Sensors Journal</i> , 2010, 10, 1557-1558.	4.7	110
60	Textile sensors to measure sweat pH and sweat-rate during exercise. , 2009, , .		32
61	Characterization of a carbon nanotube polymer composite sensor for an impedimetric electronic tongue. <i>Mikrochimica Acta</i> , 2008, 163, 57-62.	5.0	19
62	Use of Functional Magnetic Resonance Imaging (fMRI) for the investigation of the Human Olfactory System. , 2007, , .		0