

Antonino S Fiorillo

List of Publications by Year in descending order

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53
papers

1,390
citations

430874

18
h-index

361022

35
g-index

54
all docs

54
docs citations

54
times ranked

1696
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucose biosensors in clinical practice: principles, limits and perspectives of currently used devices. <i>Theranostics</i> , 2022, 12, 493-511.	10.0	52
2	FT-IR saliva analysis for the diagnosis of psoriasis: A pilot study. <i>Biomedical Signal Processing and Control</i> , 2022, 74, 103525.	5.7	8
3	Optically Unobtrusive Zeolite-Based Dry Electrodes for Wearable ECG Monitoring. <i>IEEE Sensors Journal</i> , 2022, 22, 10630-10639.	4.7	6
4	Application of P(VDF-TrFE) Glass Coating for Robust Harmonic Nanoparticles Characterization. <i>Micromachines</i> , 2021, 12, 41.	2.9	2
5	A Second-Generation Voltage-Conveyor-Based Interface for Ultrasonic PVDF Sensors. <i>Micromachines</i> , 2021, 12, 99.	2.9	6
6	PVDF Ultrasonic Sensors for In-Air Applications: A Review. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 2324-2335.	3.0	13
7	A Broadband Approach for the Generation and Reception of Low-Frequency Ultrasounds In-Air for Sonar Applications. , 2021, , .		0
8	Triboelectric-induced Pseudo-ICG for cardiovascular risk assessment on flexible electronics. <i>Nano Energy</i> , 2020, 67, 104278.	16.0	16
9	Spiral-Shaped Biologically-Inspired Ultrasonic Sensor. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 635-642.	3.0	13
10	Laboratory Parameters of Hemostasis, Adhesion Molecules, and Inflammation in Type 2 Diabetes Mellitus: Correlation with Glycemic Control. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 300.	2.6	29
11	MicroRNA-1281 as a Novel Circulating Biomarker in Patients With Diabetic Retinopathy. <i>Frontiers in Endocrinology</i> , 2020, 11, 528.	3.5	35
12	A Recursive Algorithm for Indoor Positioning Using Pulse-Echo Ultrasonic Signals. <i>Sensors</i> , 2020, 20, 5042.	3.8	14
13	Ultrasonic Transducers Shaped in Archimedean and Fibonacci Spiral: A Comparison. <i>Sensors</i> , 2020, 20, 2800.	3.8	12
14	A Low-Power On-Chip ECG Monitoring System Based on MWCNT/PDMS Dry Electrodes. <i>IEEE Sensors Journal</i> , 2020, 20, 12799-12806.	4.7	27
15	Low frequency ultrasound as a potentially viable foaming option for pathological veins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124919.	4.7	10
16	Neural Modulation of the Primary Auditory Cortex by Intracortical Microstimulation with a Bio-Inspired Electronic System. <i>Bioengineering</i> , 2020, 7, 23.	3.5	6
17	An Affordable Fabrication of a Zeolite-Based Capacitor for Gas Sensing. <i>Sensors</i> , 2020, 20, 2143.	3.8	7
18	Modeling and Characterization of Scaling Factor of Flexible Spiral Coils for Wirelessly Powered Wearable Sensors. <i>Sensors</i> , 2020, 20, 2282.	3.8	5

#	ARTICLE	IF	CITATIONS
19	Influence of the Fabrication Accuracy of Hot-Embossed PCL Scaffolds on Cell Growths. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 84.	4.1	7
20	Effects of sulodexide on stability of sclerosing foams. <i>Phlebology</i> , 2019, 34, 191-200.	1.2	12
21	Design of a charge amplifier for a low-power respiration monitoring system. <i>IET Circuits, Devices and Systems</i> , 2019, 13, 499-503.	1.4	2
22	Recent developments on foaming mechanical and electronic techniques for the management of varicose veins. <i>Expert Review of Medical Devices</i> , 2019, 16, 931-940.	2.8	7
23	Cell-line characterization by infrared-induced pyroelectric effect. <i>Biosensors and Bioelectronics</i> , 2019, 140, 111338.	10.1	9
24	Deep Submicron EGFET Based on Transistor Association Technique for Chemical Sensing. <i>Sensors</i> , 2019, 19, 1063.	3.8	21
25	Cochlear-like PVDF US Sensor. , 2019, , .		1
26	Temperature Evaluation of Sonicated Sclerosing Foam through Induced Pyroelectric Effect by IR Radiation. , 2019, , .		0
27	Antireflection Enhancement by Composite Nanoporous Zeolite 3A-Carbon Thin Film. <i>Nanomaterials</i> , 2019, 9, 1641.	4.1	11
28	Computational Model of Cell Deformation Under Fluid Flow Based Rolling. , 2019, , .		2
29	A Charge Sensitive Pre-Amplifier for Smart Point-of-Care Devices Employing Polymer-Based Lab-on-a-Chip. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 984-988.	3.0	9
30	EGFET-Based Sensors for Bioanalytical Applications: A Review. <i>Sensors</i> , 2018, 18, 4042.	3.8	104
31	Antireflection properties of composite zeolite gold nanoparticles film. <i>Electronics Letters</i> , 2018, 54, 370-372.	1.0	14
32	Theory, technology and applications of piezoresistive sensors: A review. <i>Sensors and Actuators A: Physical</i> , 2018, 281, 156-175.	4.1	298
33	Size of Sclerosing Foams Prepared by Ultrasound, Mechanical Agitation, and the Handmade Tessari Method for Treatment of Varicose Veins. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 649-658.	1.7	16
34	A Low-Power Wireless Piezoelectric Sensor-Based Respiration Monitoring System Realized in CMOS Process. <i>IEEE Sensors Journal</i> , 2017, 17, 1858-1864.	4.7	78
35	Medical Devices for Pediatric Apnea Monitoring and Therapy: Past and New Trends. <i>IEEE Reviews in Biomedical Engineering</i> , 2017, 10, 199-212.	18.0	23
36	PVDF Sensor Stimulated by Infrared Radiation for Temperature Monitoring in Microfluidic Devices. <i>Sensors</i> , 2017, 17, 850.	3.8	26

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37	Effects of acute physical exercise on oxidative stress and inflammatory status in young, sedentary obese subjects. PLoS ONE, 2017, 12, e0178900.	2.5	81
38	Infrared Saliva Analysis of Psoriatic and Diabetic Patients: Similarities in Protein Components. IEEE Transactions on Biomedical Engineering, 2016, 63, 379-384.	4.2	60
39	A low power wireless apnea detection system based on pyroelectric sensor. , 2015, , .		9
40	Absorption of Urea Into Zeolite Layer Integrated With Microelectronic Circuits. IEEE Nanotechnology Magazine, 2015, 14, 214-217.	2.0	20
41	Pyroelectric Sensor for Temperature Monitoring of Biological Fluids in Microchannel Devices. IEEE Sensors Journal, 2014, 14, 2725-2730.	4.7	24
42	Deposition of Zeolite Thin Layers Onto Silicon Wafers for Biomedical Use. IEEE Nanotechnology Magazine, 2012, 11, 654-656.	2.0	15
43	Low-Frequency Ultrasound in Medicine: An In Vivo Evaluation. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1658-1663.	4.7	27
44	Stabilization of Bilinear Systems Via Linear State-Feedback Control. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 76-80.	3.0	71
45	Dosimetry of High Intensity Electron Beams Produced by Dedicated Accelerators in Intra-Operative Radiation Therapy (IORT). IEEE Transactions on Nuclear Science, 2009, 56, 66-72.	2.0	5
46	A piezoresistive tactile sensor. IEEE Transactions on Instrumentation and Measurement, 1997, 46, 15-17.	4.7	50
47	Ultrasound transducer with low synthetic quality factor. Applied Physics Letters, 1996, 68, 164-166.	3.3	19
48	PVDF ultrasonic sensors for location of small objects. Sensors and Actuators A: Physical, 1994, 42, 406-409.	4.1	14
49	PPy thin layers grown onto copper salt replica for sensor array fabrication. Sensors and Actuators B: Chemical, 1992, 7, 399-403.	7.8	2
50	A P(VDF-TrFE)-based integrated ultrasonic transducer. Sensors and Actuators A: Physical, 1990, 22, 719-725.	4.1	40
51	An ultrasonic range sensor array for a robotic fingertip. Sensors and Actuators, 1989, 17, 103-106.	1.7	19
52	Design and fabrication of a silicon-P(VDF-TrFE) piezoelectric sensor. Thin Solid Films, 1989, 181, 245-250.	1.8	5
53	A sensorized robot gripper. Robotics and Autonomous Systems, 1988, 4, 49-55.	5.1	17