

# Romano Giannetti

## List of Publications by Year in descending order

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37  
papers

420  
citations

759233

12  
h-index

752698

20  
g-index

37  
all docs

37  
docs citations

37  
times ranked

365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonator-Based Microwave Metamaterial Sensors for Instrumentation: Survey, Classification, and Performance Comparison. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	34
2	Portable Knee Health Monitoring System by Impedance Spectroscopy Based on Audio-Board. Electronics (Switzerland), 2021, 10, 460.	3.1	4
3	A Novel Dielectric Resonator-Based Passive Sensor for Drop-Volume Binary Mixtures Classification. IEEE Sensors Journal, 2021, 21, 20156-20164.	4.7	16
4	A Novel Approach for the Design of Fast-Settling Amplifiers for Biosignal Detection. Electronics (Switzerland), 2021, 10, 2631.	3.1	2
5	A Novel Passive Method for the Assessment of Skin-Electrode Contact Impedance in Intraoperative Neurophysiological Monitoring Systems. Scientific Reports, 2020, 10, 2819.	3.3	13
6	A survey of time-of-flight algorithms to determine bone positions in movement. , 2017, , .		0
7	In vivo Bone Position Measurement Using High-Frequency Ultrasound Validated with 3-D Optical Motion Capture Systems: A Feasibility Study. Journal of Medical and Biological Engineering, 2017, 37, 519-526.	1.8	8
8	An Improved DAQ-Based Method for Ferrite Characterization. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2413-2421.	4.7	5
9	Ultrasonic bone localization algorithm based on time-series cumulative kurtosis. ISA Transactions, 2017, 66, 469-475.	5.7	7
10	Feasibility study of in vivo bone depth measurement using high frequency ultrasound. , 2015, , .		5
11	Title is missing!. Journal of Medical and Biological Engineering, 2012, 32, 181.	1.8	36
12	On the use of the Dual Resonance Non Linear filter for speech processing in a hearing aid algorithm. , 2011, , .		1
13	Measurement of Asymmetric Minor Loops in Soft Ferrites Up to Medium Frequencies. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 423-428.	4.7	5
14	Characterization of the Accommodation Effect in Soft Hysteretic Materials Via Sensorless Measurement Technique. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2807-2814.	4.7	27
15	Accommodation study via a sensorless measurement technique. Physica B: Condensed Matter, 2008, 403, 482-485.	2.7	12
16	Sensorless Measurement Technique for Characterization of Magnetic Material Under Nonperiodic Conditions. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1465-1469.	4.7	30
17	Measurement of Magnetic Accomodation through a Sensorless Technique. , 2008, , .		1
18	Work in progress - Design of a new european higher education area degree in electronics and control engineering. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	1

#	ARTICLE	IF	CITATIONS
19	New Method to Characterize Magnetic Hysteresis in Soft Ferrites Up to High Frequencies. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 311-315.	4.7	22
20	Transmittance photoplethysmography with near-infrared laser diodes in intra-peritoneal organs. Physiological Measurement, 2006, 27, 1033-1045.	2.1	1
21	A Resonant Measurement System for Characterization of Hysteresis Cycle in Soft Ferrites. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	2
22	Design of a System for Continuous Intraocular Pressure Monitoring. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1534-1540.	4.7	40
23	Short-Duration High-Frequency Quasi-Sinusoidal Magnetic Field Generator. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2481-2485.	4.7	0
24	Numerical characterization of dynamic hysteresis loops and losses in soft magnetic materials. IEEE Transactions on Magnetics, 2005, 41, 1540-1543.	2.1	13
25	Frequency response of a thin cobalt film magneto-optic sensor. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 1246-1251.	4.7	0
26	Line-pantograph EMI in railway systems. IEEE Instrumentation and Measurement Magazine, 2001, 4, 10-13.	1.6	26
27	Conducted and radiated interference measurements in the line-pantograph system. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1661-1664.	4.7	51
28	NIR transmittance pulse oximetry system with laser diodes. , 2001, , .		4
29	On resistor-induced thermal noise in linear circuits. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 87-88.	4.7	3
30	Equivalent network modeling to simulate electrical discharges. IEEE Transactions on Magnetics, 2000, 36, 971-976.	2.1	3
31	Application of NIR laser diodes to pulse oximetry. , 1999, , .		5
32	Two-dimensional simulation of conducted currents characteristics in electrical discharges. IEEE Transactions on Electromagnetic Compatibility, 1999, 41, 260-264.	2.2	1
33	Ultra low-noise current sources. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 78-81.	4.7	21
34	Low-cost lightweight strain measurement system for bicycle application. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 893-899.	4.7	0
35	True constant temperature measurement system for lifetime tests of metallic interconnections of IC's. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 1187-1190.	4.7	1
36	Electrical characteristics of silicon nitride on silicon and InGaAs as a function of the insulator stoichiometry. Applied Surface Science, 1991, 52, 45-52.	6.1	12

#	ARTICLE	IF	CITATIONS
37	Identification of silicon nitride/InGaAs interface states. Applied Physics Letters, 1990, 56, 1661-1663.	3.3	8