Giovanni Gugliandolo

List of Publications by Year
in descending order

17 papers	165 citations	1307594 7 h-index	1281871 11 g-index
17 all docs	17 docs citations	17 times ranked	96 citing authors

#	Article	IF	Citations
1	Design and Characterization of a Microwave Transducer for Gas Sensing Applications. Chemosensors, 2022, 10, 127.	3.6	5
2	Equivalent Circuit Model Extraction for a SAW Resonator: Below and above Room Temperature. Sensors, 2022, 22, 2546.	3.8	4
3	Microwave Transducers for Gas Sensing: A Challenging and Promising New Frontier. IEEE Instrumentation and Measurement Magazine, 2022, 25, 42-51.	1.6	7
4	A Novel Sensor-Integrated Aperture Coupled Microwave Patch Resonator for Humidity Detection. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	28
5	Measurement-Based Extraction and Analysis of a Temperature-Dependent Equivalent-Circuit Model for a SAW Resonator: From Room Down to Cryogenic Temperatures. IEEE Sensors Journal, 2021, 21, 12202-12211.	4.7	17
6	On the Performance Evaluation of Commercial SAW Resonators by Means of a Direct and Reliable Equivalent-Circuit Extraction. Micromachines, 2021, 12, 303.	2.9	12
7	Whispering Gallery Mode Resonators for Precision Temperature Metrology Applications. Sensors, 2021, 21, 2844.	3.8	16
8	Development of a multi-transduction system for breath analysis in neurodegenerative diseases. , 2021, , .		4
9	An Efficient Near-lossless Compression Algorithm for Multichannel EEG signals. , 2021, , .		5
10	On the design and characterisation of a microwave microstrip resonator for gas sensing applications. Acta IMEKO (2012), 2021, 10, 54.	0.7	9
11	Compact System for Colorimetric Sensor Arrays Characterization Based on Computer Screen Photo-Assisted Technology. Electronics (Switzerland), 2021, 10, 2587.	3.1	1
12	A Simple and Efficient Near-lossless Compression Algorithm for Multichannel EEG Systems. , 2021, , .		5
13	Development of an Inkjet-Printed Interdigitated Device: CAD, Fabrication, and Testing. , 2021, , .		3
14	Characterization and Neural Modeling of a Microwave Gas Sensor for Oxygen Detection Aimed at Healthcare Applications. Sensors, 2020, 20, 7150.	3.8	15
15	On the Gas Sensing Properties of Microwave Transducers. , 2020, , .		4
16	A Movement-Tremors Recorder for Patients of Neurodegenerative Diseases. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1451-1457.	4.7	21
17	Sensor-Integrated Aperture Coupled Patch Antenna. , 2019, , .		9