

Maurizio Spadavecchia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6141075/publications.pdf>

Version: 2024-02-01

30
papers

669
citations

567281

15
h-index

752698

20
g-index

30
all docs

30
docs citations

30
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and Testing of a Tool for Photovoltaic Panel Modeling. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1613-1622.	4.7	116
2	Uncertainty Analysis in Photovoltaic Cell Parameter Estimation. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1334-1342.	4.7	76
3	Estimation of ship emissions in the port of Taranto. Measurement: Journal of the International Measurement Confederation, 2014, 47, 982-988.	5.0	66
4	A Technique to Improve the Image Quality in Computer Tomography. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1251-1257.	4.7	54
5	A comparative study on mother wavelet selection in ultrasound image denoising. Measurement: Journal of the International Measurement Confederation, 2013, 46, 2447-2456.	5.0	41
6	Dosimetric Characterization and Image Quality Assessment in Breast Tomosynthesis. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2535-2544.	4.7	33
7	Wireless Sensor Networks for Environmental Monitoring. Sensors, 2021, 21, 1172.	3.8	33
8	High Dynamic Range Power Consumption Measurement in Microcontroller-Based Applications. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1968-1976.	4.7	32
9	Fast Thermal Characterization of Thermoelectric Modules Using Infrared Camera. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 305-314.	4.7	22
10	An Extensive Unified Thermo-Electric Module Characterization Method. Sensors, 2016, 16, 2114.	3.8	21
11	Channel Characterization of an Open Source Energy Meter. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1106-1115.	4.7	20
12	Algorithms for Locating and Characterizing Cable Faults via Stepped-Frequency Waveform Reflectometry. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7271-7280.	4.7	20
13	GeoLab, a measurement system for the geotechnical characterization of polluted submarine sediments. Measurement: Journal of the International Measurement Confederation, 2018, 127, 335-347.	5.0	18
14	An automatic document processing system for medical data extraction. Measurement: Journal of the International Measurement Confederation, 2015, 61, 88-99.	5.0	17
15	DESIGNING AND PROTOTYPING A SENSORS HEAD FOR TEST AND CERTIFICATION OF UAV COMPONENTS. International Journal on Smart Sensing and Intelligent Systems, 2017, 10, 646-672.	0.7	17
16	Deep Learning-Based Computer Vision for Real-Time Intravenous Drip Infusion Monitoring. IEEE Sensors Journal, 2021, 21, 14148-14154.	4.7	16
17	Detection and Characterization of Multiple Discontinuities in Cables with Time-Domain Reflectometry and Convolutional Neural Networks. Sensors, 2021, 21, 8032.	3.8	13
18	Accelerated life tests of a new optocoupler for aerospace application. , 2014, , .		8

#	ARTICLE	IF	CITATIONS
19	Performance analysis of an electromagnetic tracking system for surgical navigation. , 2019, , .		8
20	Characterization of Heart Rate Estimation Using Piezoelectric Plethysmography in Time- and Frequency-domain. , 2020, , .		7
21	Analysis of TDR Signals with Convolutional Neural Networks. , 2021, , .		7
22	Monitoring of Seagrass Meadows Using Satellite Images and U-Net Convolutional Neural Network. , 2022, , .		6
23	A PWM temperature controller for thermoelectric generator characterization. , 2016, , .		4
24	High accuracy testbed for thermoelectric module characterization. Energy Conversion and Management, 2020, 223, 113325.	9.2	4
25	Toward a new smart metering paradigm for microgrid. , 2013, , .		2
26	Methodological proposal for Accelerated Screening Test design on stepper motors. Measurement: Journal of the International Measurement Confederation, 2014, 54, 241-248.	5.0	2
27	Optimization of ADC Channels of A Smart Energy Meter Including Random Noise Effects. Quality and Reliability Engineering International, 2015, 31, 1209-1222.	2.3	2
28	Assessment and Calibration of Wearable Heart Rate Sensors Using a Fully Automated System. , 2020, , .		2
29	An Innovative System for Testing of Contaminated Soft Sediments. , 2018, , .		1
30	Separation of Overlapping Reflected Signals in Stepped-Frequency Waveform Reflectometry. , 2020, , .		1