

Maurizio Spadavecchia

List of Publications by Year in descending order

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papers

669
citations

567281

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all docs

30
docs citations

30
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring of Seagrass Meadows Using Satellite Images and U-Net Convolutional Neural Network. , 2022, , .		6
2	Wireless Sensor Networks for Environmental Monitoring. Sensors, 2021, 21, 1172.	3.8	33
3	Analysis of TDR Signals with Convolutional Neural Networks. , 2021, , .		7
4	Deep Learning-Based Computer Vision for Real-Time Intravenous Drip Infusion Monitoring. IEEE Sensors Journal, 2021, 21, 14148-14154.	4.7	16
5	Detection and Characterization of Multiple Discontinuities in Cables with Time-Domain Reflectometry and Convolutional Neural Networks. Sensors, 2021, 21, 8032.	3.8	13
6	High accuracy testbed for thermoelectric module characterization. Energy Conversion and Management, 2020, 223, 113325.	9.2	4
7	Assessment and Calibration of Wearable Heart Rate Sensors Using a Fully Automated System. , 2020, , .		2
8	Characterization of Heart Rate Estimation Using Piezoelectric Plethysmography in Time- and Frequency-domain. , 2020, , .		7
9	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
10	Separation of Overlapping Reflected Signals in Stepped-Frequency Waveform Reflectometry. , 2020, , .		1
11	Performance analysis of an electromagnetic tracking system for surgical navigation. , 2019, , .		8
12	An Innovative System for Testing of Contaminated Soft Sediments. , 2018, , .		1
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	Fast Thermal Characterization of Thermoelectric Modules Using Infrared Camera. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 305-314.	4.7	22
15	Dosimetric Characterization and Image Quality Assessment in Breast Tomosynthesis. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2535-2544.	4.7	33
16	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
17	An Extensive Unified Thermo-Electric Module Characterization Method. Sensors, 2016, 16, 2114.	3.8	21
18	High Dynamic Range Power Consumption Measurement in Microcontroller-Based Applications. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1968-1976.	4.7	32

#	ARTICLE	IF	CITATIONS
19	A PWM temperature controller for thermoelectric generator characterization. , 2016, , .		4
20	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
21	An automatic document processing system for medical data extraction. Measurement: Journal of the International Measurement Confederation, 2015, 61, 88-99.	5.0	17
22	Accelerated life tests of a new optocoupler for aerospace application. , 2014, , .		8
23	Channel Characterization of an Open Source Energy Meter. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1106-1115.	4.7	20
24	Estimation of ship emissions in the port of Taranto. Measurement: Journal of the International Measurement Confederation, 2014, 47, 982-988.	5.0	66
25	Methodological proposal for Accelerated Screening Test design on stepper motors. Measurement: Journal of the International Measurement Confederation, 2014, 54, 241-248.	5.0	2
26	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
27	Toward a new smart metering paradigm for microgrid. , 2013, , .		2
28	Uncertainty Analysis in Photovoltaic Cell Parameter Estimation. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1334-1342.	4.7	76
29	Characterization and Testing of a Tool for Photovoltaic Panel Modeling. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1613-1622.	4.7	116
30	A Technique to Improve the Image Quality in Computer Tomography. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1251-1257.	4.7	54