

Rosario Morello

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

877
citations

623188

14
h-index

500791

28
g-index

50
all docs

50
docs citations

50
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	A Smart Power Meter to Monitor Energy Flow in Smart Grids: The Role of Advanced Sensing and IoT in the Electric Grid of the Future. IEEE Sensors Journal, 2017, 17, 7828-7837.	2.4	166
2	Advances on Sensing Technologies for Smart Cities and Power Grids: A Review. IEEE Sensors Journal, 2017, 17, 7596-7610.	2.4	136
3	A Smart ECG Measurement System Based on Web-Service-Oriented Architecture for Telemedicine Applications. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2530-2538.	2.4	115
4	Estimation of ship emissions in the port of Taranto. Measurement: Journal of the International Measurement Confederation, 2014, 47, 982-988.	2.5	66
5	Optimization of Experimental Model Parameter Identification for Energy Storage Systems. Energies, 2013, 6, 4572-4590.	1.6	35
6	A coastal erosion model to predict shoreline changes. Measurement: Journal of the International Measurement Confederation, 2014, 47, 734-740.	2.5	23
7	Battery Status Sensing Software-Defined Multicast for V2G Regulation in Smart Grid. IEEE Sensors Journal, 2017, 17, 7838-7848.	2.4	23
8	Potentialities and limitations of thermography to assess landslide risk. Measurement: Journal of the International Measurement Confederation, 2018, 116, 658-668.	2.5	22
9	An IoT based ECG system to diagnose cardiac pathologies for healthcare applications in smart cities. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110685.	2.5	22
10	A Wireless Measurement System for Estimation of Human Exposure to Vibration During the Use of Handheld Percussion Machines. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2513-2521.	2.4	21
11	A remote doctor for homecare and medical diagnoses on cardiac patients by an adaptive ECG analysis. , 2009, , .		20
12	Software-defined QoS provisioning for fog computing advanced wireless sensor networks. , 2016, , .		20
13	Cognitive Balance for Fog Computing Resource in Internet of Things: An Edge Learning Approach. IEEE Transactions on Mobile Computing, 2022, 21, 1596-1608.	3.9	20
14	A smart energy meter for power grids. , 2014, , .		17
15	An ISO/IEC/IEEE 21451 Compliant Algorithm for Detecting Sensor Faults. IEEE Sensors Journal, 2015, 15, 2541-2548.	2.4	17
16	Monitoring of environmental parameters and pollution by fungal spores in the National Gallery of Cosenza: A case of study. Measurement: Journal of the International Measurement Confederation, 2014, 47, 1001-1007.	2.5	14
17	Use of TEDS to Improve Performances of Smart Biomedical Sensors and Instrumentation. IEEE Sensors Journal, 2015, 15, 2497-2504.	2.4	14
18	Pipeline flow measurement using real-time imaging. Measurement: Journal of the International Measurement Confederation, 2014, 47, 1008-1015.	2.5	13

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19	Temperature Sensing and Evaluation of Thermal Effects on Battery Packs for Automotive Applications. IEEE Sensors Journal, 2019, 19, 11634-11645.	2.4	11
20	Active and eddy current pulsed thermography to detect surface crack and defect in historical and archaeological discoveries. Measurement: Journal of the International Measurement Confederation, 2018, 116, 676-684.	2.5	10
21	Uncertainty analysis in hemodynamic variables measurement for reliable diagnosis of Pulmonary Hypertension with non-invasive techniques. , 2011, , .		9
22	Image-based detection of Kayser-Fleischer ring in patient with Wilson Disease. , 2013, , .		6
23	Guest Editorial Special Issue on Smart Sensors for Smart Grids and Smart Cities. IEEE Sensors Journal, 2017, 17, 7594-7595.	2.4	6
24	Infrared thermographic investigation of the use of microcrystalline wax to preserve apples from thermal shocks. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107304.	2.5	6
25	An Innovative Strategy for Correctly Interpreting Simultaneous Acquisition of EEG Signals and fMRI Images. IEEE Sensors Journal, 2013, 13, 3175-3181.	2.4	5
26	Ocular Biometric Measurements to Diagnose Neurological Disorders Due to Wilson Disease. IEEE Sensors Journal, 2013, 13, 3203-3210.	2.4	5
27	Risk model for landslide hazard assessment. IET Science, Measurement and Technology, 2014, 8, 129-134.	0.9	5
28	A Virtual Assistant for Safety Measurements Evaluating the Worker Hand-Arm Exposure to Percussion Machines Vibration. , 2007, , .		4
29	Diagnosis of gastric disorders by non-invasive myoelectrical measurements. , 2013, , .		4
30	Dynamic Scheduling of Trigger Command for Sub-Microsecond Alignment Accuracy in Distributed Measurement System. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1795-1803.	2.4	4
31	Experimental Validation of Revised Criteria for Pulmonary Hypertension Diagnosis by Uncertainty Evaluation. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 592-602.	2.4	4
32	A New Reliability Approach for Additive Layers Manufactured Components: An Improvement. , 2018, , .		4
33	A Soft Computing-Based Measurement System for Medical Applications in Diagnosis of Cardiac Arrhythmias by ECG Signals Analysis. , 2006, , .		3
34	A hand-arm vibration meter monitoring the percussion exposure for health risk prevention applications. , 2009, , .		3
35	A thermal energy balance model for hypotension prevention in hemodialysis. , 2013, , .		3
36	A WEB SERVICE-BASED MOBILE APPLICATION FOR DETECTING KAYSER-FLEISCHER RING IN EYE CORNEA. Instrumentation Science and Technology, 2014, 42, 95-108.	0.9	3

#	ARTICLE	IF	CITATIONS
37	GUM-Based Decisional Criteria to Make Decisions in Presence of Measurement Uncertainty. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5511-5522.	2.4	3
38	Functionality Evaluation of Micro-Electro-Mechanical-Systems Sensor for Varied Selective Functionalization Thickness to Determine Creatinine Concentration. IEEE Sensors Journal, 2021, 21, 17244-17253.	2.4	3
39	A Procedure to Test Tolerance and Faulty States for Measurement Instrumentation. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	2
40	OPTIMIZED PROCEDURE TO EVALUATE THE THERMAL ENERGY TRANSFER IN HEMODIALYSIS TREATMENT. Instrumentation Science and Technology, 2014, 42, 458-468.	0.9	2
41	A DECISIONAL MODEL FOR ESTIMATING RELIABILITY CURVE AND MAINTENANCE INTERVALS OF INSTRUMENTATION. Instrumentation Science and Technology, 2014, 42, 446-457.	0.9	2
42	Experiments on battery capacity estimation. , 2015, , .		2
43	Guest Editorial Special Issue on Advancing Standards for Smart Transducer Interfaces. IEEE Sensors Journal, 2015, 15, 2449-2450.	2.4	2
44	Measurement Uncertainty in Decision-Making. International Journal on Measurement Technologies and Instrumentation Engineering, 2011, 1, 40-52.	0.3	1
45	The Complexity and Variability Mapping for Prediction and Explainability of the Sleep Apnea Syndrome. IEEE Sensors Journal, 2021, 21, 14203-14212.	2.4	1
46	A Computational Intelligence Application for Environmental Measurements by a DSP-Based Smart Web-Sensor. , 2006, , .		0
47	A Laboratory Set-up for Experimentation with the Cuffless Blood Pressure Measurement. , 2020, , .		0
48	Guest Editorial Special Issue on Advances and Current Trends in Sensing Physiological Parameters for Human Wellness and Patient Monitoring. IEEE Sensors Journal, 2021, 21, 13965-13966.	2.4	0
49	Measurement Uncertainty in Decision-Making. , 2013, , 193-207.		0
50	Design of a non-invasive sensing system for diagnosing gastric disorders. Acta IMEKO (2012), 2021, 10, 73.	0.4	0