

Edoardo Fiorucci

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

628
citations

687363

13
h-index

713466

21
g-index

60
all docs

60
docs citations

60
times ranked

528
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Convolutional Neural Network-Based System for NILM Applications. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	79
2	Digital measurement station for power quality analysis in distributed environments. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 75-84.	4.7	58
3	Uncertainty Issues in Direct and Indirect Efficiency Determination for Three-Phase Induction Motors: Remarks About the IEC 60034-2-1 Standard. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2701-2716.	4.7	41
4	Survey on Voltage Dip Measurements in Standard Framework. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 374-387.	4.7	35
5	Exploring Remote Monitoring of Degraded Compression and Bolted Joints in HV Power Transmission Lines. IEEE Transactions on Power Delivery, 2016, 31, 2179-2187.	4.3	24
6	Architecture of a digital wireless data communication network for distributed sensor applications. Measurement: Journal of the International Measurement Confederation, 2004, 35, 33-45.	5.0	20
7	Embedded Power and Energy Measurement System Based on an Analog Multiplier. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2248-2257.	4.7	20
8	Evaluation of autonomic nervous system in sleep apnea patients using pupillometry under occlusal stress: a pilot study. Cranio - Journal of Craniomandibular Practice, 2014, 32, 139-147.	1.4	20
9	A low cost embedded Web service for measurements on power system. , 0, , .		19
10	A low-cost ultrasonic wind speed and direction measurement system. , 2013, , .		18
11	Low cost smart power metering. , 2013, , .		17
12	Measuring System for Microelectric Power. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 410-421.	4.7	16
13	Test instrument for the automatic compliance check of cast resin insulated windings for power transformers. Measurement: Journal of the International Measurement Confederation, 2017, 100, 50-61.	5.0	14
14	Apparatus for Online Continuous Diagnosis of Induction Motors Based on the SFRA Technique. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4134-4144.	4.7	14
15	The measurement of actual apparent power and actual reactive power from the instantaneous power signals in single-phase and three-phase systems. Electric Power Systems Research, 2015, 121, 227-242.	3.6	13
16	State of art overview of Non-Intrusive Load Monitoring applications in smart grids. Measurement: Sensors, 2021, 18, 100145.	1.7	13
17	An Experimental Approach to the Modeling of PEM Fuel Cells in Dynamic Conditions. , 2007, , .		12
18	The Performance Evaluation of IEC Flicker Meters in Realistic Conditions. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2443-2449.	4.7	12

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19	The Measurement of Surface Electromyographic Signal in Rest Position for the Correct Prescription of Eyeglasses. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 419-428.	4.7	12
20	Load Identification System for Residential Applications Based on the NILM Technique. , 2020, , .		12
21	A Peer-to-Peer Distributed System for Multipoint Measurement Techniques. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	11
22	A Digital Instrument for Light Flicker Effect Evaluation. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 76-84.	4.7	11
23	Non intrusive electrical load identification through an online SFRA based approach. , 2020, , .		10
24	Automatic test equipment for avionics Electro-Mechanical Actuators (EMAs). Measurement: Journal of the International Measurement Confederation, 2014, 57, 71-84.	5.0	9
25	Testing System for the On-Site Checking of Magneto-Thermal Switches with Arc Fault Detection. Energies, 2020, 13, 4652.	3.1	9
26	Survey about Classical and Innovative Definitions of the Power Quantities Under Nonsinusoidal Conditions. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.8	8
27	Experimental validation of a PEM fuel cell dynamic model. , 0, , .		7
28	Multi-State Appliances Identification through a NILM System Based on Convolutional Neural Network. , 2021, , .		7
29	A Low-Cost Contactless Transducer for the Measurement of DC Currents Up to 13 kA for the Industry of Anodized Aluminum. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 845-852.	4.7	6
30	A Non-Intrusive Load Identification System Based on Frequency Response Analysis. , 2021, , .		6
31	Mean velocity profiles of fully-developed turbulent flows near smooth walls. Comptes Rendus - Mecanique, 2011, 339, 388-395.	2.1	5
32	Frequency characterization of cast-resin transformers. , 2012, , .		5
33	Challenge and future trends of distributed measurement systems based on Blockchain technology in the European context. , 2019, , .		5
34	The evaluation of the effects of the voltage amplitude modulations on induction motors. , 2005, , .		4
35	The Performance Evaluation of IEC Flicker Meters in Realistic Conditions. , 2006, , .		4
36	Analysis of Turbulent Flow Speed Profiles in Pressure Pipes Using the Dissimilar Similitude Technique Applied to an Electrolytic Tank: Implementation and Experimental Characterization. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1547-1553.	4.7	4

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37	Development of an ad hoc measurement station for the human surface electromyography in rest position. , 2009, , .		4
38	A Plug-n-Play wireless sensor network based on Web service for monitoring climatic parameters. , 2010, , .		4
39	Variable Speed Drive Characterization: Review of Measurement Techniques and Future Trends. Advances in Power Electronics, 2013, 2013, 1-14.	0.8	4
40	Development of a Low Cost Power Meter Based on A Digital Signal Controller. International Journal of Emerging Electric Power Systems, 2018, 19, .	0.8	4
41	The Measurement of Additional Losses in Induction Motors: Discussion about the Actually Achievable Uncertainty. Energies, 2020, 13, 78.	3.1	4
42	Digital measurement equipment for steady-state PQ measurements. , 0, , .		3
43	Effects of voltage amplitude modulations on mechanical vibrations in low voltage transformers. , 0, , .		3
44	A wireless event-based sensors network for power quality monitoring application. , 2010, , .		3
45	Erratum to "Uncertainty Issues in Direct and Indirect Efficiency Determination for Three-Phase Induction Motors: Remarks About the IEC 60034-2-1 Standard" [Dec 16 2701-2716]. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 577-578.	4.7	3
46	A Low-Cost IoT Sensors Network for Monitoring Three-Phase Induction Motor Mechanical Power Adopting an Indirect Measuring Method. Sensors, 2021, 21, 754.	3.8	3
47	The Measurement of the RMS Instantaneous Power for the Power Distortion Evaluation. , 2008, , .		2
48	A measurement technique for quality control of windings for cast resin power transformers. , 2014, , .		2
49	A Simplified Indirect Technique for the Measurement of Mechanical Power in Three-Phase Asynchronous Motors. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.8	2
50	An IoT condition monitoring system for resilience based on spectral analysis of vibration. , 2020, , .		2
51	A Microcontroller System for Human Mechanical Power Measurement during Squat Jumps. , 2006, , .		1
52	The modeling of a PEM fuel cell — Supercapacitor — Battery system in dynamic conditions. , 2009, , .		1
53	Measurement and analysis of surface electromyographic signals on patients wearing eyeglasses. , 2011, , .		1
54	Online sweep frequency analysis testing on UPS for resilience. Measurement: Sensors, 2021, 18, 100079.	1.7	1

#	ARTICLE	IF	CITATIONS
55	An internet-of-things system based on powerline technology for pulse oximetry measurements. Acta IMEKO (2012), 2020, 9, 114.	0.7	1
56	In vivo volt-amperometric characterization of electrochemical phenomena due to metallic restorations in the oral cavity. , 0, , .		0
57	A testing system for the performance evaluation of electrical machines under realistic voltage fluctuations. , 2010, , .		0
58	A low-cost power transducer for transient currents. , 2015, , .		0
59	Thermographic and electrical characterization of a photovoltaic panel under partial shading conditions: a case study. Acta IMEKO (2012), 2019, 8, 93.	0.7	0
60	Resilient solutions for construction site electrical systems in oil well tests. , 2021, , .		0