

Nicola Pasquino

List of Publications by Year in descending order

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times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology Based on Vector and Scalar Measurement of Traffic Channel Power Levels to Assess Maximum Exposure to Electromagnetic Radiation Generated by 5G NR Systems. IEEE Access, 2022, 10, 12125-12136.	4.2	10
2	Time-Series-Based Model and Validation for Prediction of Exposure to Wideband Radio Frequency Electromagnetic Radiation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3198-3205.	4.7	10
3	A Methodology to Characterize Power Control Systems for Limiting Exposure to Electromagnetic Fields Generated by Massive MIMO Antennas. IEEE Access, 2020, 8, 171956-171967.	4.2	11
4	Use of radiofrequency electromagnetic radiation to remove biofilms from canvasses. Aerobiologia, 2020, 36, 541-549.	1.7	3
5	Assessing Agile Spectrum Management for Cognitive Radar on Measured Data. IEEE Aerospace and Electronic Systems Magazine, 2020, 35, 20-32.	1.3	18
6	A comparative approach of unsupervised machine learning techniques for LTE network parameter clustering. , 2020, , .		4
7	Multivariate Analysis of LTE Radio-Layer Parameters based on a Partitional Clustering Approach. , 2019, , .		1
8	Multivariate LTE Performance Assessment through an Expectation-Maximization Algorithm Approach. , 2019, , .		2
9	Smartphone-based drive-test methodology for the experimental characterisation of the physical layer and a performance assessment of LTE networks in urban environments. Acta IMEKO (2012), 2019, 8, 28.	0.7	2
10	An Effective Methodology for Measuring Software Resource Usage. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2487-2494.	4.7	10
11	Assessing Spectral Compatibility Between Radar and Communication Systems on Measured Data. , 2018, , .		2
12	Experimental characterization of a damage detection and localization system for composite structures. Measurement: Journal of the International Measurement Confederation, 2018, 129, 381-388.	5.0	28
13	Use of high-strength electromagnetic radiation to remove phototrophic biofilms from terracotta artifacts. Environmental Science and Pollution Research, 2018, 25, 29654-29662.	5.3	3
14	Experimental Characterization of Long Term Evolution Multiple Input Multiple Output Performance in Urban Propagation Scenarios. , 2018, , .		5
15	Measurement and analysis of human exposure to electromagnetic fields in the GSM band. Measurement: Journal of the International Measurement Confederation, 2017, 109, 373-383.	5.0	17
16	Real-time estimation of the vehicle sideslip angle through regression based on principal component analysis and neural networks. , 2017, , .		12
17	Smartphone-based measurements of LTE network performance. , 2017, , .		8
18	Experimental characterization of lte adaptive modulation and coding scheme under actual operating conditions. , 2017, , .		5

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19	Measuring the effectiveness of containerization to prevent power draining attacks. , 2017, , .		4
20	Experimental characterization of a composite structures health monitoring methodology. , 2016, , .		10
21	Microstructural Aspects in FSW and TIG Welding of Cast ZE41A Magnesium Alloy. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 1340-1346.	2.1	28
22	Selective Laser Treatment on Cold-Sprayed Titanium Coatings: Numerical Modeling and Experimental Analysis. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 3310-3317.	2.1	19
23	A critical note to the standard procedure for assessing exposure to GSM electromagnetic field. Measurement: Journal of the International Measurement Confederation, 2015, 73, 563-575.	5.0	17
24	Statistical characterization of the 2.45 GHz propagation channel aboard trains. Acta IMEKO (2012), 2015, 4, 44.	0.7	1
25	A new time-domain method for frequency measurement of sinusoidal signals in critical noise conditions. Measurement: Journal of the International Measurement Confederation, 2014, 49, 368-381.	5.0	13
26	Biofilms on Tuff Stones at Historical Sites: Identification and Removal by Nonthermal Effects of Radiofrequencies. Microbial Ecology, 2013, 66, 659-668.	2.8	16
27	Time and frequency characterization of radiated disturbance in telecommunication bands due to pantograph arcing. Measurement: Journal of the International Measurement Confederation, 2013, 46, 4342-4352.	5.0	26
28	A new measurement method for through-the-wall detection and tracking of moving targets. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1834-1848.	5.0	21
29	Characterization of the radio propagation channel aboard trains for optimal coverage at 2.45GHz. , 2013, , .		7
30	Time and frequency characterization of radiated disturbances in telecommunication bands due to pantograph arcing. , 2012, , .		11
31	Test bench for the evaluation of GSM-R operation in the presence of electric arc interference. , 2012, , .		6
32	An efficient extension of the zero-crossing technique to measure frequency of noisy signals. , 2012, , .		22
33	Functional immunity test for field programmable analog arrays (FPAA)-based biomedical application to em radiated energy. , 2012, , .		0
34	Experimental investigation on workersâ€™ exposure to electromagnetic fields in proximity of magnetic resonance imaging systems. Measurement: Journal of the International Measurement Confederation, 2012, 45, 199-206.	5.0	16
35	ANOVA-Based Approach for DAC Diagnostics. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1874-1882.	4.7	25
36	A methodology for testing immunity of field programmable analog arrays to radiated electromagnetic field. Measurement: Journal of the International Measurement Confederation, 2011, 44, 2165-2174.	5.0	6

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37	Design of experiments and data-fitting techniques applied to calibration of high-frequency electromagnetic field probes. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1153-1165.	5.0	4
38	Exposure to 50â€‰Hz electromagnetic field raises the levels of the antiâ€‰apoptotic protein BAG3 in melanoma cells. Journal of Cellular Physiology, 2011, 226, 2901-2907.	4.1	25
39	Evaluating DACs linearity and intermodulation errors through an ANOVA approach. , 2011, , .		0
40	Facing synchronization problems in MIMO measurement systems. , 2011, , .		3
41	Measurement and comparative analysis of clutter for GSM and UMTS passive radars. IET Radar, Sonar and Navigation, 2010, 4, 412.	1.8	13
42	^{Functional tests of field programmable analog arrays under the influence of electromagnetic radiation}. , 2010, , .		2
43	Uncertainty and reproducibility in measuring the data acquisition system immunity to conducted disturbances. Measurement Science and Technology, 2009, 20, 055105.	2.6	13
44	A Fuzzy Approach to Decision Making About Compliance of Environmental Electromagnetic Field With Exposure Limits. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 612-617.	4.7	13
45	Multisensor Network for Urban Electromagnetic Field Monitoring. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3315-3322.	4.7	14
46	A ground monitoring system based on TDR tests. , 2009, , .		10
47	An instrument for objective measurement of light flicker. Measurement: Journal of the International Measurement Confederation, 2008, 41, 334-340.	5.0	21
48	Experimental Evaluation of Conducted Emissions by Variable-Speed Drives Under Variable Operating Conditions. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1350-1356.	4.7	5
49	A Remotely Controlled Onboard Measurement System for Optimization of Energy Consumption of Electrical Trains. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2250-2256.	4.7	18
50	Measurement and analysis of clutter signal from GSM/DCS-based passive radar. , 2008, , .		2
51	Experimental Verification of a Two-State Model for the Cumulative Distribution Function of GSM Passive Radar Clutter. , 2008, , .		2
52	Nonstationary models for PQ monitoring in naval electrical systems. , 2008, , .		1
53	A New Methodological Approach to Quality Assurance of Energy Meters Under Nonsinusoidal Conditions. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1694-1702.	4.7	54
54	Mass-Customized Production in a SME Network. , 2007, , 79-86.		3

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55	An on-board Monitoring System for Electrical Railway Traction Systems. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	3
56	Design and Calibration of an Objective Flickermeter. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 2118-2125.	4.7	33
57	A New Methodological Approach to Quality Assurance of Energy Meters Under Non-Sinusoidal Conditions. , 2006, , .		18
58	Experimental evaluation of the incidence of operating conditions on measurement uncertainty of conducted emissions by power drive systems. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	1
59	A New Methodological Approach to Quality Assurance of Energy Meters Under Non-Sinusoidal Conditions. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	0
60	Multi-Sensor Collaborative Network for Monitoring of Electromagnetic Quantities. , 2005, , .		2
61	Enterprise strategies for optimal management of power quality parameters evaluation. , 2003, , .		0
62	Model for urban and indoor cellular propagation using percolation theory. Physical Review E, 2000, 61, R2228-R2231.	2.1	10
63	A mobile distributed architecture for measurement and analysis of the electromagnetic field. , 0, , .		8
64	Chaotic model of a new reverberating enclosure for EMC compliance testing in the time domain. , 0, , .		1
65	Optimization of energy consumption in a railway traction system. , 0, , .		13
66	Effect of Defocusing on Bead-on-Plate of Ti6Al4V by Yb:YAG Disk Laser. Advanced Materials Research, 0, 383-390, 6258-6264.	0.3	1