

Pasquale Daponte

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,966
citations

279798

23
h-index

315739

38
g-index

89
all docs

89
docs citations

89
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	A measurement method based on the wavelet transform for power quality analysis. IEEE Transactions on Power Delivery, 1998, 13, 990-998.	4.3	248
2	A measurement laboratory on geographic network for remote test experiments. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 992-997.	4.7	82
3	Wavelet network-based detection and classification of transients. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1425-1435.	4.7	82
4	State of the art and future developments of the Augmented Reality for measurement applications. Measurement: Journal of the International Measurement Confederation, 2014, 57, 53-70.	5.0	80
5	A review on the use of drones for precision agriculture. IOP Conference Series: Earth and Environmental Science, 2019, 275, 012022.	0.3	74
6	A State of the Art on ADC Error Compensation Methods. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1388-1394.	4.7	70
7	Influence of the architecture on ADC error modeling. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 956-966.	4.7	57
8	Sensors and Measurements for Unmanned Systems: An Overview. Sensors, 2021, 21, 1518.	3.8	56
9	Choroidal Thickness in Primary Glaucoma. Ophthalmologica, 1991, 202, 81-85.	1.9	55
10	ANN-based error reduction for experimentally modeled sensors. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 23-30.	4.7	53
11	TransientMeter: A Distributed Measurement System for Power Quality Monitoring. IEEE Transactions on Power Delivery, 2004, 19, 456-463.	4.3	50
12	Ultrasonic signal-processing techniques for the measurement of damage growth in structural materials. IEEE Transactions on Instrumentation and Measurement, 1995, 44, 1003-1008.	4.7	45
13	Design and validation of a motion-tracking system for ROM measurements in home rehabilitation. Measurement: Journal of the International Measurement Confederation, 2014, 55, 82-96.	5.0	44
14	Performance analysis of an ADC histogram test using small triangular waves. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 723-729.	4.7	42
15	Metrology for drone and drone for metrology: Measurement systems on small civilian drones. , 2015, , .		37
16	A state of the art on ADC modelling. Computer Standards and Interfaces, 2004, 26, 31-42.	5.4	35
17	Remote Didactic Laboratory â€œG. Savastano,â€•The Italian Experience for E-Learning at the Technical Universities in the Field of Electrical and Electronic Measurements: Overview on Didactic Experiments. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1135-1147.	4.7	32
18	Distributed measurement systems: An object-oriented architecture and a case study. Computer Standards and Interfaces, 1997, 18, 383-395.	5.4	31

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19	Analytical a priori approach to phase-plane modeling of SAR A/D converters. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 849-857.	4.7	31
20	An ADC histogram test based on small-amplitude waves. Measurement: Journal of the International Measurement Confederation, 2002, 31, 271-279.	5.0	31
21	Sensors and Measurements for UAV Safety: An Overview. Sensors, 2021, 21, 8253.	3.8	31
22	Remote Didactic Laboratory â€œG. Savastano,â€•The Italian Experience for E-Learning at the Technical Universities in the Field of Electrical and Electronic Measurement: Architecture and Optimization of the Communication Performance Based on Thin Client Technology. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1124-1134.	4.7	28
23	A Survey of Measurement Applications Based on IoT. , 2018, , .		28
24	Detection of echoes using time-frequency analysis techniques. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 30-40.	4.7	27
25	A dynamic error model for integrating analog-to-digital converters. Measurement: Journal of the International Measurement Confederation, 1999, 25, 255-264.	5.0	27
26	A height measurement uncertainty model for archaeological surveys by aerial photogrammetry. Measurement: Journal of the International Measurement Confederation, 2017, 98, 192-198.	5.0	27
27	The detection of echoes from multilayer structures using the wavelet transform. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 727-731.	4.7	26
28	A measurement method based on time-frequency representations for testing GSM equipment. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 1050-1056.	4.7	26
29	Electronically compensated current transformer modelling. Measurement: Journal of the International Measurement Confederation, 1995, 15, 213-222.	5.0	24
30	Real-time measurement and control of an industrial system over a standard network: implementation of a prototype for educational purposes. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 962-969.	4.7	24
31	Analog-to-information converters in the wideband rf measurement for aerospace applications: current situation and perspectives. IEEE Instrumentation and Measurement Magazine, 2017, 20, 20-28.	1.6	24
32	Dynamic testing and diagnostics of digitizing signal analyzers. IEEE Transactions on Instrumentation and Measurement, 1992, 41, 840-844.	4.7	21
33	ADC neural modeling. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 627-633.	4.7	21
34	A wavelet networks-based method for the digital telecommunication system monitoring. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1773-1780.	4.7	21
35	A wireless-based home rehabilitation system for monitoring 3D movements. , 2013, , .		18
36	DronesBench: an innovative bench to test drones. IEEE Instrumentation and Measurement Magazine, 2017, 20, 8-15.	1.6	18

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37	A remote-controlled platform for UAS testing. IEEE Aerospace and Electronic Systems Magazine, 2018, 33, 48-56.	1.3	17
38	Challenges for aerospace measurement systems: Acquisition of wideband radio frequency using Analog-to-Information converters. , 2014, , .		16
39	Modeling and characterization of sigma-delta analog-to-digital converters. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 978-983.	4.7	15
40	Compressed Sensing Technologies and Challenges for Aerospace and Defense RF Source Localization. , 2018, , .		15
41	A Dynamic Approach for Compressed Sensing of Multi-lead ECG Signals. , 2020, , .		14
42	Frequency-domain characterization of random demodulation Analog-to-Information Converters. Acta IMEKO (2012), 2015, 4, 111.	0.7	14
43	Wireless Sensor Network for traffic safety. , 2012, , .		13
44	ECG Monitoring Based on Dynamic Compressed Sensing of Multi-Lead Signals. Sensors, 2021, 21, 7003.	3.8	13
45	Experimental Comparison of Different Standards for Dynamic Characterization of ADCs. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1307-1315.	4.7	12
46	Prototype design and experimental evaluation of wireless measurement nodes for road safety. Measurement: Journal of the International Measurement Confederation, 2014, 57, 1-14.	5.0	12
47	A multiple deep attenuation frequency window for harmonic analysis in power systems. IEEE Transactions on Power Delivery, 1994, 9, 863-871.	4.3	11
48	An improved method for automatic detection and location of defects in electronic components using scanning ultrasonic microscopy. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 135-142.	4.7	11
49	Validation of a home rehabilitation system for range of motion measurements of limb functions. , 2013, , .		11
50	Network design and characterization of a Wireless Active Guardrail System. , 2014, , .		11
51	Power consumption analysis of a Wireless Sensor Network for road safety. , 2016, , .		11
52	Deterministic Compressed Sensing of heart sound signals. , 2021, , .		11
53	Assessment of analog-to-information converters based on non-uniform sampling for spectrum analysis. , 2018, , .		10
54	Distributed Web-based Measurement System. , 2005, , .		9

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55	Effects of PRBS jitter on random demodulation analog-to-information converters. , 2016, , .		9
56	A Cyclostationarity-Based Method for Jitter Measurement in Waveform Recorders. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1786-1794.	4.7	9
57	Characterization of digitizer timebase jitter by means of the Allan variance. Computer Standards and Interfaces, 2003, 25, 15-22.	5.4	8
58	Advanced processing techniques of high-voltage impulse test signals. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 439-445.	4.7	7
59	An extension to IEEE Std. 1241 sine fit for analog-to-information converters testing. , 2015, , .		6
60	Compensating magnetic disturbances on MARG units by means of a low complexity data fusion algorithm. , 2015, , .		6
61	Experimental characterization of a RF mixer for wideband data acquisition systems. , 2017, , .		6
62	Dynamic characterization of scan conversion-based transient digitizers. IEEE Transactions on Instrumentation and Measurement, 1995, 44, 643-646.	4.7	5
63	Wireless active guardrail for traffic safety: Preliminary tests of speed and proximity measurement. , 2013, , .		5
64	Experimental comparison of orientation estimation algorithms in motion tracking for rehabilitation. , 2014, , .		5
65	A method for real-time compensation of magnetometers embedded on smartphones. , 2016, , .		5
66	Method for compensating the effect of disturbances on magnetometer measurements: experimental results. , 2017, , .		5
67	PRBS Selection for Velocity Measurements with Compressive Sampling-Based DS-CDMA Radio Navigation Receivers. , 2018, , .		5
68	Estimation of the daily global solar radiation; Nepal experience. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1807-1817.	5.0	4
69	Classification of future aeronautical communication signals. , 2014, , .		4
70	Metrological Automatic Support in Intelligent Measurement Systems. Computer Standards and Interfaces, 2002, 24, 123-131.	5.4	3
71	A measurement system for testing light remotely piloted aircraft. , 2017, , .		3
72	Italian-Croatian Remote Laboratory Distributed on Geographical Network. , 2006, , .		2

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73	Subspace-based joint multiband detection for wideband spectrum sensing. , 2012, , .		2
74	Investigating the on-board data processing for IMU-based sensors in motion tracking for rehabilitation. , 2015, , .		2
75	Haptics Enhanced Interface for Remote Control of Measurement Instrumentation. , 2018, , .		2
76	Introduction to special issue on DAC modelling and testing. Measurement: Journal of the International Measurement Confederation, 2002, 31, 143-146.	5.0	1
77	Title is missing!. Wireless Personal Communications, 2002, 23, 77-92.	2.7	1
78	Mechanical loss characterization at cryogenic temperature of a tungsten wire: An automated measurement system. , 2014, , .		1
79	Multi-Finger Haptics Enhanced Virtual Instrument Interfaces. Journal of Physics: Conference Series, 2018, 1065, 112003.	0.4	1
80	A Stereo Vision Method for IMU-based Motion Tracking Systems Calibration. , 2018, , .		1
81	Oscillometric blood pressure waveform analysis: challenges and developments. , 2019, , .		1
82	A Bandpass Sampling Scheme Based on Asynchronous Time Interleaving. , 2020, , .		1
83	Advances in fundamental and applied metrology. Measurement: Journal of the International Measurement Confederation, 2010, 43, 617.	5.0	0
84	Guest Editorial Special Issue on the 2015 IEEE International Instrumentation and Measurement Technology Conference Pisa, Italy, May 11â€”14, 2015. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 958-959.	4.7	0
85	Report on the 7th IEEE AESS Virtual Workshop on Metrology for AeroSpace MetroAeroSpace 2020. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 5-7.	1.3	0
86	Technologies for Motion Measurements in Connected Health Scenario. , 2020, , 191-212.		0
87	Report on the 8th IEEE AESS Virtual Workshop on Metrology for AeroSpace MetroAeroSpace 2021 June 22-25, 2021. IEEE Aerospace and Electronic Systems Magazine, 2022, , 1-1.	1.3	0