

Michele Vadursi

List of Publications by Year in descending order

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47
papers

422
citations

840776

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839539

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g-index

47
all docs

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docs citations

47
times ranked

289
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Cross-Layer Measurements for a Comprehensive Characterization of Wireless Networks in the Presence of Interference. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1148-1156. | 4.7 | 36 |
| 2 | Techniques for available bandwidth measurement in IP networks: A performance comparison. Computer Networks, 2006, 50, 332-349. | 5.1 | 31 |
| 3 | Modeling DAC Output Waveforms. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2854-2862. | 4.7 | 31 |
| 4 | An Efficient Pre-Processing Scheme to Enhance Resolution in Band-Pass Signals Acquisition. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2932-2940. | 4.7 | 28 |
| 5 | Design and Implementation of a Preprocessing Circuit for Bandpass Signals Acquisition. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 287-294. | 4.7 | 26 |
| 6 | Foundations of Measurement Theory Applied to the Evaluation of Dependability Attributes. , 2007, , . | | 25 |
| 7 | Clustering-Based Method for Detecting and Evaluating I/Q Impairments in Radio-Frequency Digital Transmitters. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2139-2146. | 4.7 | 24 |
| 8 | Experimental assessment of low-cost GPS-based localization in railway worksite-like scenarios. Measurement: Journal of the International Measurement Confederation, 2013, 46, 456-466. | 5.0 | 24 |
| 9 | New Approach Based on Compressive Sampling for Sample Rate Enhancement in DASs for Low-Cost Sensing Nodes. Sensors, 2014, 14, 18915-18940. | 3.8 | 19 |
| 10 | Test Equipment for DAC's Performance Assessment: Design and Characterization. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1027-1034. | 4.7 | 18 |
| 11 | True-Power Measurement in Digital Communication Systems Affected by In-Channel Interference. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3985-3994. | 4.7 | 16 |
| 12 | Detection and Compensation of Interchannel Time Offsets in Indirect Fetal ECG Sensing. IEEE Sensors Journal, 2014, 14, 2327-2334. | 4.7 | 14 |
| 13 | A compressive sampling based method for power measurement of band-pass signals. , 2013, , . | | 12 |
| 14 | Resilient estimation of synchronisation uncertainty through software clocks. International Journal of Critical Computer-Based Systems, 2013, 4, 301. | 0.1 | 10 |
| 15 | Modeling and Measuring Link Capacity in Communication Networks. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1065-1072. | 4.7 | 9 |
| 16 | Experimental Validation of a Synchronization Uncertainty-Aware Software Clock. , 2010, , . | | 9 |
| 17 | Testing high resolution DACs: A contribution to draft standard IEEE P1658. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1044-1052. | 5.0 | 9 |
| 18 | System and Network Security: Anomaly Detection and Monitoring. Journal of Electrical and Computer Engineering, 2016, 2016, 1-2. | 0.9 | 7 |

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|----|--|-----|-----------|
| 19 | Localization errors of low-cost GPS devices in railway worksite-like scenarios. , 2011, , . | | 6 |
| 20 | Differential analysis of Operating System indicators for anomaly detection in dependable systems: An experimental study. Measurement: Journal of the International Measurement Confederation, 2016, 80, 229-240. | 5.0 | 6 |
| 21 | Automatic Selection of Optimal Sample Rate for Band-Pass Signals. , 2006, , . | | 5 |
| 22 | Measuring S/I/Q Impairments in WiMAX Transmitters. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1299-1306. | 4.7 | 5 |
| 23 | Experiment-Driven Modeling of Open-Source Internet Traffic Generators. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2529-2538. | 4.7 | 5 |
| 24 | Performance Assessment of Wireless Communication Networks through Cross-Layer Measurements. , 2006, , . | | 4 |
| 25 | Modulation Tests on Bluetooth Transmitters Through Time-Frequency Representations. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2147-2154. | 4.7 | 4 |
| 26 | Experimental assessment of the effects of cross-traffic on Wi-Fi video streaming. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1661-1668. | 5.0 | 4 |
| 27 | An online quality control system for GPS stations used for geodetic surveillance. , 2012, , . | | 4 |
| 28 | Design and implementation of a reconfigurable test-bed for real-time security measurements in VoIP systems. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3691-3700. | 5.0 | 4 |
| 29 | A Kalman filtering based method for available bandwidth measurement. , 2015, , . | | 3 |
| 30 | Towards Making NekoStat a Proper Measurement Tool for the Validation of Distributed Systems. , 2007, , . | | 2 |
| 31 | Measurement and analysis of clutter signal from GSM/DCS-based passive radar. , 2008, , . | | 2 |
| 32 | Experimental Verification of a Two-State Model for the Cumulative Distribution Function of GSM Passive Radar Clutter. , 2008, , . | | 2 |
| 33 | Measuring Gain Imbalance and Quadrature Error in WiMAX Transmitters. , 2008, , . | | 2 |
| 34 | Design of a test equipment for DAC's performance assessment. , 2009, , . | | 2 |
| 35 | Experimental evaluation of the effects of in-channel interference on GPS receivers. , 2011, , . | | 2 |
| 36 | Security in VoIP systems: towards the design and implementation of a reconfigurable test bed for real-time measurements. , 2011, , . | | 2 |

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|----|--|-----|-----------|
| 37 | Experimental analysis of the first order time difference of indicators used in the monitoring of complex systems. , 2013, , . | | 2 |
| 38 | An experimental characterization of the internal generation cycle of an open-source software traffic generator. , 2013, , . | | 2 |
| 39 | A New Instrument Based on Cyclic Spectral Analysis for Power Measurement in Digital Telecommunication Systems. , 2008, , . | | 1 |
| 40 | Spectral estimation of piece-constant waveforms generated by digital-to-analog converters. , 2009, , . | | 1 |
| 41 | A new method for multi-layer capacity measurements in communication networks. , 2009, , . | | 1 |
| 42 | AMBER Roadmap: Ongoing Research Directions. , 2010, , . | | 1 |
| 43 | Analyzing DAC waveform distortion due to finite settling time. , 2010, , . | | 1 |
| 44 | Performance Analysis of a DEKF for Available Bandwidth Measurement. Journal of Electrical and Computer Engineering, 2016, 2016, 1-8. | 0.9 | 1 |
| 45 | Problems arising in the experimental evaluation of DACs dynamic parameters. , 2010, , . | | 0 |
| 46 | Synthesis and generation of critical waveforms by means of AWG. , 2012, , . | | 0 |
| 47 | Measuring transmission lines parameters in the frequency domain. , 2013, , . | | 0 |