

Marc Pous Sola

List of Publications by Year in descending order

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44
all docs

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docs citations

44
times ranked

157
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposition of Electromagnetic Interferences in the Time-Domain. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 385-392.	2.2	45
2	Improving time-domain EMI measurements through digital signal processing. IEEE Electromagnetic Compatibility Magazine, 2015, 4, 82-91.	0.1	37
3	Measurement and Evaluation Techniques to Estimate the Degradation Produced by the Radiated Transients Interference to the GSM System. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1382-1390.	2.2	29
4	SIVA UAV: A Case Study for the EMC Analysis of Composite Air Vehicles. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1103-1113.	2.2	27
5	Full-Spectrum APD Measurement of Transient Interferences in Time Domain. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 1352-1360.	2.2	25
6	A measurement system for radiated transient electromagnetic interference based on general purpose instruments. , 2015, , .		24
7	Benefits of full time-domain EMI measurements for large fixed installation. , 2016, , .		23
8	Waveform Approach for Assessing Conformity of CISPR 16-1-1 Measuring Receivers. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1187-1198.	4.7	22
9	On the Statistical Properties of the Peak Detection for Time-Domain EMI Measurements. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1374-1381.	2.2	19
10	Specifying the Waveforms for the Calibration of CISPR 16-1-1 Measuring Receivers. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 654-662.	2.2	17
11	Full Time Domain EMI Measurement System Applied to Railway Emissions According to IEC 62236-3-1/EN 50121-3-1 Standards. , 2018, , .		11
12	UAVEMI project: Numerical and experimental EM immunity assessment of UAV for HIRF and lightning indirect effects. , 2016, , .		10
13	Fast and automated verification of multi-channel full time-domain EMI measurement systems. , 2017, , .		10
14	Dynamic Performance Evaluation of Full Time Domain EMI Measurement Systems. , 2018, , .		10
15	Proficiency testing for conducted immunity with a new round robin test device. , 2016, , .		9
16	On-site Waveform Characterization at Static Meters Loaded with Electrical Vehicle Chargers. , 2019, , .		9
17	APD radiated transient measurements produced by electric sparks employing time-domain captures. , 2014, , .		8
18	Statistical Evaluation of Measurement Accuracy in Full Time-Domain EMI Measurement Systems. , 2020, , .		8

#	ARTICLE	IF	CITATIONS
19	Transient perturbation analysis in digital radio. , 2010, , .		7
20	EMC Testing of Electricity Meters Using Real-World and Artificial Current Waveforms. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1865-1874.	2.2	7
21	Use of reference limits in the Feature Selective Validation (FSV) method. , 2014, , .		6
22	A single antenna ambient noise cancellation method for in-situ radiated EMI measurements in the time-domain. , 2016, , .		6
23	APD outdoors time-domain measurements for impulsive noise characterization. , 2017, , .		6
24	Time- and Frequency-Domain Characterization of Switching Losses in GaN FETs Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 3219-3232.	7.9	6
25	Waveform Model to Characterize Time-Domain Pulses Resulting in EMI on Static Energy Meters. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1542-1549.	2.2	6
26	Time-Domain Electromagnetic Interference Measurement System for intermittent disturbances. , 2014, , .		5
27	FFT-based time domain solution to power frequency issue of CS101 testing for military and aerospace equipment. , 2018, , .		5
28	Validation of low-level, high-frequency transient FDTD simulation with radiated field measurements. , 2008, , .		4
29	Measuring, modelling and correction actions for EMC assessment between high speed railway and medical equipment. , 2010, , .		4
30	Alternative conducted emission measurements on mains without LISNs. IEEE Electromagnetic Compatibility Magazine, 2015, 4, 58-65.	0.1	4
31	Radiated transient interferences measurement procedure to evaluate digital communication systems. , 2015, , .		4
32	Estimation of Static Energy Meter Interference in Waveforms Obtained in On-Site Scenarios. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 19-26.	2.2	4
33	Waveform Characterization of Calibration-Pulse Generators for EMI Measuring Receivers. , 2019, , .		3
34	Improved Electromagnetic Compatibility Standards for the Interconnected Wireless World. , 2019, , .		3
35	Numerical Assessment in Aeronautics for Electromagnetic Environmental Effects. Advances in Computer and Electrical Engineering Book Series, 2018, , 153-210.	0.3	3
36	Robust extreme value estimation for full time-domain EMI measurements. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
37	Time Domain Double-Loaded Electromagnetic Field Probe Applied to Unmanned Air Vehicles. , 2018, , .		2
38	Uncertainty Analysis in the Measurement of Switching Losses in GaN FETs Power Converters. , 2020, , .		2
39	Electromagnetic Characterization of 3D Printed Antennas Employing Conductive Filament. , 2020, , .		2
40	On-Site Waveform Survey in LV Distribution Network using a Photovoltaic Installation. , 2020, , .		2
41	Application of the Feature Selective Validation Method to Pattern Recognition. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 808-816.	2.2	1
42	Characterization of Time Domain EM Field Double-loaded Curved Loop Probe. , 2018, , .		1
43	Time-domain just-before-test verification method to detect failures and ensure the measurement accuracy for conducted emissions and immunity tests. , 2019, , .		1
44	Exploratory Data Analysis on Stochastic Emissions Near-Field Scanning Measurements. , 2018, , .		0