

Martin HudliÄka

List of Publications by Year in descending order

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35
papers

352
citations

1040056

9
h-index

1125743

13
g-index

35
all docs

35
docs citations

35
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Standard Load Method: A New Calibration Technique for Material Characterization at Terahertz Frequencies. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	8
2	VNA-Based Material Characterization in THz Domain without Classic Calibration and Time-Gating. , 2020, , .		1
3	Analytical Uncertainty Evaluation of Material Parameter Measurements at THz Frequencies. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1199-1217.	2.2	9
4	Practical aspects of a pulse generator calibration. IEEE Instrumentation and Measurement Magazine, 2020, 23, 13-20.	1.6	1
5	Waveform Characterization of Calibration-Pulse Generators for EMI Measuring Receivers. , 2019, , .		3
6	Harmonics Effects on Microwave Power Measurement Using Diode Sensors. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1852-1859.	4.7	4
7	Material Parameter Extraction in THz Domain, Simplifications and Sensitivity Analysis. , 2019, , .		1
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	Harmonics Effects on Microwave Low-Power Measurement. , 2018, , .		1
10	Optical and RF metrology for 5G. , 2017, , .		3
11	Development of Measurement and Extraction Technique of Complex Permittivity Using Transmission Parameter S ₂₁ for Millimeter Wave Frequencies. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1510-1520.	2.2	20
12	Characterization of a 300-GHz Transmission System for Digital Communications. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1004-1018.	2.2	5
13	Traceable high impedance calibration standards. , 2016, , .		0
14	Uncertainty evaluation of balanced S-parameter measurements. , 2016, , .		3
15	BER estimation from EVM for QPSK and 16-QAM coherent optical systems. , 2016, , .		7
16	Performance assessment of VNA calibration schemes for millimeter-wave and submillimeter-wave frequencies, using the 33 GHzâ€“50 GHz band. , 2015, , .		0
17	Calibration of Wideband Digital Real-Time Oscilloscopes. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1716-1725.	4.7	18
18	Design and Calibration of a Compact Quasi-Optical System for Material Characterization in Millimeter/Submillimeter Wave Domain. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1438-1445.	4.7	58

#	ARTICLE	IF	CITATIONS
19	Free-space quasi-optical spectrometer for material characterization in the 50–500 GHz frequency range. , 2014, , .		2
20	Calibration of wideband digital real-time oscilloscopes. , 2014, , .		6
21	Probe correction for near-field scanning with a dielectric fiber. , 2014, , .		0
22	Wideband frequency-domain material characterization up to 500 GHz. , 2014, , .		1
23	Design and calibration of a compact quasi-optical system for material characterization in millimeter/sub-millimeter wave domain. , 2014, , .		4
24	A reliable simple method to extract the intrinsic material properties in millimeter/sub-millimeter wave domain. , 2014, , .		12
25	Uncertainty of communication signals measurement. , 2014, , .		2
26	The Horn Antenna as Gaussian Source in the mm-Wave Domain. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 720-731.	2.2	23
27	Towards metrological characterization of vector signal analyzers. , 2012, , .		2
28	Waveform metrology for error vector magnitude measurements in a 300 GHz transmission system. , 2012, , .		4
29	Triple wire medium for use in isotropic metamaterials. , 2007, , .		4
30	Bianisotropic route to the realization and matching of backward-wave metamaterial slabs. Physical Review B, 2007, 75, .	3.2	52
31	Propagation of Electromagnetic Waves within a Triple Wire Medium. , 2007, , .		0
32	Transmission characteristics of bianisotropic metamaterials based on omega shaped metallic inclusions. New Journal of Physics, 2007, 9, 326-326.	2.9	41
33	A TRIPLE WIRE MEDIUM AS AN ISOTROPIC NEGATIVE PERMITTIVITY METAMATERIAL. Progress in Electromagnetics Research, 2006, 65, 233-246.	4.4	24
34	Left-handed coplanar waveguide. , 2005, , .		10
35	Coplanar waveguide transmitting a left-handed wave. , 2005, , .		1