

Antonio Morini

List of Publications by Year in descending order

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73
papers

795
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623734

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642732

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73
all docs

73
docs citations

73
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverted Scanning Microwave Microscopy of a Vital Mitochondrion in Liquid. IEEE Microwave and Wireless Components Letters, 2022, 32, 804-806.	3.2	3
2	Real-Time Removal of Topographic Artifacts in Scanning Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2662-2672.	4.6	8
3	Quantitative Characterization of Platinum Diselenide Electrical Conductivity With an Inverted Scanning Microwave Microscope. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3348-3359.	4.6	6
4	Cosec 2 hybrid travelling/resonant antenna for maritime surveillance applications. IET Microwaves, Antennas and Propagation, 2020, 14, 223-232.	1.4	1
5	Estimation of the Losses of 1:N Dividers by the Measurement of the Reflection When the Outputs Are Shorted. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3592-3601.	4.6	0
6	Dynamics of Optical Vortices in Speckle Patterns with Sub-Nanometric Spectral Resolution. , 2020, , .		0
7	Inverted Scanning Microwave Microscopy for Nanometer-scale Imaging and Characterization of Platinum Diselenide. , 2019, , .		5
8	Review of Substrate Integrated Waveguide Circuits for Beam-Forming Networks Working in X-Band. Applied Sciences (Switzerland), 2019, 9, 1003.	2.5	15
9	Inverted scanning microwave microscope for <i>in vitro</i> imaging and characterization of biological cells. Applied Physics Letters, 2019, 114, .	3.3	20
10	Birth and Development of the "Electromagnetic Fields" Group. , 2019, , 23-36.		0
11	Measuring zinc in biological nanovesicles by multiple analytical approaches. Journal of Trace Elements in Medicine and Biology, 2018, 48, 58-66.	3.0	5
12	Systematic Evaluation of Spikes Due to Interference Between Cascaded Filters. IEEE Transactions on Microwave Theory and Techniques, 2018, , 1-6.	4.6	9
13	A Method for Fast and Reliable Analysis and Optimization of Side-Coupled Cavity Filters and Multiplexers. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3847-3856.	4.6	6
14	Imaging of exosomes by broadband scanning microwave microscopy. , 2016, , .		7
15	Broadband near-field scanning microwave microscopy investigation of fullerene exposure of breast cancer cells. , 2016, , .		4
16	Compact double-layer substrate integrated waveguide magic T for X-band applications. Microwave and Optical Technology Letters, 2016, 58, 932-936.	1.4	6
17	Design and Fabrication of a Dielectricless Substrate-Integrated Waveguide. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 256-261.	2.5	31
18	Time-Domain Reflectometry for Near-Field Scanning Microwave Microscopy. , 2015, , .		4

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19	Compact substrate integrated waveguide six-port directional coupler for X-band applications. Microwave and Optical Technology Letters, 2015, 57, 2589-2592.	1.4	9
20	Determining the Efficiency of Fast Ultrahigh-density Writing of Low-Conductivity Patterns on Semiconducting Polymers. Materials Research Society Symposia Proceedings, 2015, 1729, 125-130.	0.1	1
21	Near field microwave microscopy for nanoscale characterization, imaging and patterning of graphene. , 2014, , .		3
22	A Methodology for RF modeling of packages with external pin measurements. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 623-634.	1.2	4
23	Single-layer standalone wideband substrate-integrated waveguide directional coupler. Microwave and Optical Technology Letters, 2014, 56, 1141-1144.	1.4	4
24	Near-Field Microwave Investigation of Electrical Properties of Graphene-ITO Electrodes for LED Applications. Journal of Display Technology, 2013, 9, 504-510.	1.2	9
25	A Technique for the Measurement of the Generalized Scattering Matrix of Overmoded Waveguide Devices. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2705-2714.	4.6	12
26	Fast ultrahigh-density writing of low-conductivity patterns on semiconducting polymers. Nature Communications, 2013, 4, 2668.	12.8	13
27	Corrections to "A Technique for the Measurement of the Generalized Scattering Matrix of Overmoded Waveguide Devices" [Jul 13 2705-2714]. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4283-4283.	4.6	0
28	Infrared imaging in liquid through an extrinsic optical microcavity. Optics Letters, 2013, 38, 5094.	3.3	10
29	Bandpass Filter With In-Orbit Reconfigurable Bandwidth. , 2013, , .		3
30	Dual-Polarization Directional Couplers for Beamforming Applications. , 2013, , .		1
31	Graphene etching by a Near-Field Scanning Microwave Microscope. , 2013, , .		4
32	OPTICAL FIBER EXTRINSIC MICRO-CAVITY SCANNING MICROSCOPY. Progress in Electromagnetics Research, 2013, 133, 347-366.	4.4	13
33	Common-mode rejection in a phased-array filtenna of connected dipoles. , 2012, , .		2
34	Compact design of a planar filtering antenna array including a frequency selective common-mode rejection module. , 2012, , .		5
35	Tomographic effects of near-field microwave microscopy in the investigation of muscle cells interacting with multi-walled carbon nanotubes. Applied Physics Letters, 2012, 101, .	3.3	34
36	Dielectric-less quad-ridge adapters for ferrite faraday rotators. , 2012, , .		1

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37	Common-mode rejection in a connected array of dipoles with inherent frequency selectivity properties. , 2012, , .		5
38	Integrated filtering in a planar array of connected dipoles including a common-mode rejection module. , 2012, , .		1
39	Scheme for the Implementation of Cross-Couplings for Highly Tuneable Filters. IEEE Microwave and Wireless Components Letters, 2012, 22, 227-229.	3.2	1
40	High Resolution Scanning Microwave Microscopy for Applications in Liquid Environment. IEEE Microwave and Wireless Components Letters, 2012, 22, 595-597.	3.2	27
41	Disentangling time in a near-field approach to scanning probe microscopy. Nanoscale, 2011, 3, 3589.	5.6	46
42	A methodology for RF modeling of packages using IC known-loads. , 2011, , .		4
43	Calibration Protocol for Broadband Near-Field Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2769-2776.	4.6	60
44	USING CORRELATION MAPS IN A WIDE-BAND MICROWAVE GPR. Progress in Electromagnetics Research B, 2011, 30, 371-387.	1.0	3
45	Adaptive prototype for fixed length and dual-band waveguide H-plane filters. IET Microwaves, Antennas and Propagation, 2011, 5, 901.	1.4	5
46	Design of a Dual-Band Rotary Joint Operating in X - and Ka -Bands. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1461-1467.	4.6	14
47	Practical design of a high power $\text{L}\text{â€}band$ linear phase filter for radar applications. Microwave and Optical Technology Letters, 2011, 53, 2717-2721.	1.4	5
48	Broadband Scanning Microwave Microscopy investigation of graphene. , 2011, , .		16
49	Experimental pressure sensing and technology of piezoelectric microwave/RF MEMS filters. International Journal of Microwave and Wireless Technologies, 2011, 3, 587-593.	1.9	4
50	Corrections to $\text{â€}Modified Adaptive Prototype Inclusive of the External Couplings for the Design of Coaxial Filters$ [Sep 07 1905-1911. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2518-2518.	4.6	0
51	ELF-EMFs INDUCED EFFECTS ON CELL LINES: CONTROLLING ELF GENERATION IN LABORATORY. Progress in Electromagnetics Research B, 2010, 24, 131-153.	1.0	13
52	Full-Wave Analysis of $\text{â€}Way Power Dividers by Eigenvalue Decomposition$. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1156-1162.	4.6	10
53	Practical design of a high-power tuning-less W -band triplexer for ground radar surveillance systems. IET Microwaves, Antennas and Propagation, 2007, 1, 822.	1.4	7
54	Modified Adaptive Prototype Inclusive of the External Couplings for the Design of Coaxial Filters. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1905-1911.	4.6	17

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55	A Calibration Approach for the Segmentation and Analysis of Microwave Circuits. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2124-2134.	4.6	11
56	On the analysis of slotted waveguide arrays. IEEE Transactions on Antennas and Propagation, 2006, 54, 2016-2021.	5.1	22
57	Design of Low-Cost non-radiative SMA-SIW Launchers. , 2006, , .		14
58	A new adaptive prototype for the design of side-coupled coaxial filters with close correspondence to the physical structure. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1146-1153.	4.6	19
59	A New Look at the Practical Design of Compact Diplexers. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3515-3520.	4.6	14
60	An effective strategy for the design of large arrays based on a full-wave model. , 2006, , .		0
61	On the derivation of coupled-line models from EM simulators and application to MoM analysis. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 3272-3280.	4.6	1
62	Re-configurable reciprocal multiplexers (r-mux) for terrestrial radio links. , 2002, , .		8
63	On the definition of the generalized scattering matrix of a lossless multiport. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 160-165.	4.6	17
64	Design of tolerance-corrected filters employing half-cylinder posts. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 116-118.	4.6	15
65	An Efficient CAD for the Design of Enlarged Waveguide Feeds. , 1998, , .		0
66	Constraints to the optimum performance and bandwidth limitations of diplexers employing symmetric three-port junctions. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 242-248.	4.6	53
67	Analysis of compact E-plane diplexers in rectangular waveguide. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 1834-1839.	4.6	15
68	Analysis and design of full-band matched waveguide bends. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2965-2971.	4.6	19
69	Millimeter wave inductive post filters, theory and results. Annales Des Telecommunications/Annals of Telecommunications, 1992, 47, 541-542.	2.5	0
70	Analysis and applications of 'microstrip-loaded inset dielectric waveguide' (mig). IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 272-278.	4.6	20
71	Accurate full-band equivalent circuits of inductive posts in rectangular waveguide. IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 1000-1009.	4.6	31
72	A modified dynamic model for planar microwave circuits. IEEE Transactions on Microwave Theory and Techniques, 1991, 39, 2148-2153.	4.6	11

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73	Hybrid modes, substrate leakage, and losses of slotline at millimeter-wave frequencies. IEEE Transactions on Microwave Theory and Techniques, 1990, 38, 1069-1078.	4.6	29