

# Antonio Morini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3584058/publications.pdf>

Version: 2024-02-01

73  
papers

795  
citations

623734

14  
h-index

642732

23  
g-index

73  
all docs

73  
docs citations

73  
times ranked

620  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calibration Protocol for Broadband Near-Field Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2769-2776.	4.6	60
2	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
3	Disentangling time in a near-field approach to scanning probe microscopy. Nanoscale, 2011, 3, 3589.	5.6	46
4	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
5	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
6	Design and Fabrication of a Dielectricless Substrate-Integrated Waveguide. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 256-261.	2.5	31
7	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
8	High Resolution Scanning Microwave Microscopy for Applications in Liquid Environment. IEEE Microwave and Wireless Components Letters, 2012, 22, 595-597.	3.2	27
9	On the analysis of slotted waveguide arrays. IEEE Transactions on Antennas and Propagation, 2006, 54, 2016-2021.	5.1	22
10	Analysis and applications of 'microstrip-loaded inset dielectric waveguide' (mig). IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 272-278.	4.6	20
11	Inverted scanning microwave microscope for <i>in vitro</i> imaging and characterization of biological cells. Applied Physics Letters, 2019, 114, .	3.3	20
12	Analysis and design of full-band matched waveguide bends. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 2965-2971.	4.6	19
13	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
14	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
15	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
16	Broadband Scanning Microwave Microscopy investigation of graphene. , 2011, , .		16
17	Analysis of compact E-plane diplexers in rectangular waveguide. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 1834-1839.	4.6	15
18	Design of tolerance-corrected filters employing half-cylinder posts. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 116-118.	4.6	15

#	ARTICLE	IF	CITATIONS
19	Review of Substrate Integrated Waveguide Circuits for Beam-Forming Networks Working in X-Band. Applied Sciences (Switzerland), 2019, 9, 1003.	2.5	15
20	Design of Low-Cost non-radiative SMA-SIW Launchers. , 2006, , .		14
21	A New Look at the Practical Design of Compact Diplexers. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3515-3520.	4.6	14
22	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
23	ELF-EMFs INDUCED EFFECTS ON CELL LINES: CONTROLLING ELF GENERATION IN LABORATORY. Progress in Electromagnetics Research B, 2010, 24, 131-153.	1.0	13
24	Fast ultrahigh-density writing of low-conductivity patterns on semiconducting polymers. Nature Communications, 2013, 4, 2668.	12.8	13
25	OPTICAL FIBER EXTRINSIC MICRO-CAVITY SCANNING MICROSCOPY. Progress in Electromagnetics Research, 2013, 133, 347-366.	4.4	13
26	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
27	A modified dynamic model for planar microwave circuits. IEEE Transactions on Microwave Theory and Techniques, 1991, 39, 2148-2153.	4.6	11
28	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
29	Full-Wave Analysis of $\frac{1}{2}$ -Way Power Dividers by Eigenvalue Decomposition. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1156-1162.	4.6	10
30	Infrared imaging in liquid through an extrinsic optical microcavity. Optics Letters, 2013, 38, 5094.	3.3	10
31	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
32	Compact substrate integrated waveguide six-port directional coupler for X-band applications. Microwave and Optical Technology Letters, 2015, 57, 2589-2592.	1.4	9
33	Systematic Evaluation of Spikes Due to Interference Between Cascaded Filters. IEEE Transactions on Microwave Theory and Techniques, 2018, , 1-6.	4.6	9
34	Re-configurable reciprocal multiplexers (r-mux) for terrestrial radio links. , 2002, , .		8
35	Real-Time Removal of Topographic Artifacts in Scanning Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2662-2672.	4.6	8
36	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

#	ARTICLE	IF	CITATIONS
37	Imaging of exosomes by broadband scanning microwave microscopy. , 2016, , .		7
38	Compact double-layer substrate integrated waveguide magic T for X-band applications. Microwave and Optical Technology Letters, 2016, 58, 932-936.	1.4	6
39	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
40	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
41	Adaptive prototype for fixed length and dual-band waveguide H-plane filters. IET Microwaves, Antennas and Propagation, 2011, 5, 901.	1.4	5
42	Practical design of a high power L-band linear phase filter for radar applications. Microwave and Optical Technology Letters, 2011, 53, 2717-2721.	1.4	5
43	Compact design of a planar filtering antenna array including a frequency selective common-mode rejection module. , 2012, , .		5
44	Common-mode rejection in a connected array of dipoles with inherent frequency selectivity properties. , 2012, , .		5
45	Measuring zinc in biological nanovesicles by multiple analytical approaches. Journal of Trace Elements in Medicine and Biology, 2018, 48, 58-66.	3.0	5
46	Inverted Scanning Microwave Microscopy for Nanometer-scale Imaging and Characterization of Platinum Diselenide. , 2019, , .		5
47	A methodology for RF modeling of packages using IC known-loads. , 2011, , .		4
48	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
49	Graphene etching by a Near-Field Scanning Microwave Microscope. , 2013, , .		4
50	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
51	Single-layer standalone wideband substrate-integrated waveguide directional coupler. Microwave and Optical Technology Letters, 2014, 56, 1141-1144.	1.4	4
52	Time-Domain Reflectometry for Near-Field Scanning Microwave Microscopy. , 2015, , .		4
53	Broadband near-field scanning microwave microscopy investigation of fullerene exposure of breast cancer cells. , 2016, , .		4
54	USING CORRELATION MAPS IN A WIDE-BAND MICROWAVE GPR. Progress in Electromagnetics Research B, 2011, 30, 371-387.	1.0	3

#	ARTICLE	IF	CITATIONS
55	Bandpass Filter With In-Orbit Reconfigurable Bandwidth. , 2013, , .		3
56	Near field microwave microscopy for nanoscale characterization, imaging and patterning of graphene. , 2014, , .		3
57	Inverted Scanning Microwave Microscopy of a Vital Mitochondrion in Liquid. IEEE Microwave and Wireless Components Letters, 2022, 32, 804-806.	3.2	3
58	Common-mode rejection in a phased-array filtenna of connected dipoles. , 2012, , .		2
59	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
60	Dielectric-less quad-ridge adapters for ferrite faraday rotators. , 2012, , .		1
61	Integrated filtering in a planar array of connected dipoles including a common-mode rejection module. , 2012, , .		1
62	Scheme for the Implementation of Cross-Couplings for Highly Tuneable Filters. IEEE Microwave and Wireless Components Letters, 2012, 22, 227-229.	3.2	1
63	Dual-Polarization Directional Couplers for Beamforming Applications. , 2013, , .		1
64	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
65	Cosec 2 hybrid travelling/resonant antenna for maritime surveillance applications. IET Microwaves, Antennas and Propagation, 2020, 14, 223-232.	1.4	1
66	Millimeter wave inductive post filters, theory and results. Annales Des Telecommunications/Annals of Telecommunications, 1992, 47, 541-542.	2.5	0
67	An Efficient CAD for the Design of Enlarged Waveguide Feeds. , 1998, , .		0
68	An effective strategy for the design of large arrays based on a full-wave model. , 2006, , .		0
69	Corrections to "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
70	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
71	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
72	Birth and Development of the "Electromagnetic Fields" Group. , 2019, , 23-36.		0

#	ARTICLE	IF	CITATIONS
73	Dynamics of Optical Vortices in Speckle Patterns with Sub-Nanometric Spectral Resolution. , 2020, , .		0