

Vicente Boria

List of Publications by Year in descending order

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308
papers

3,887
citations

159585

30
h-index

243625

44
g-index

313
all docs

313
docs citations

313
times ranked

1892
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Empty Substrate Integrated Waveguide for High-Performance Microwave Integrated Circuits. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 832-839.	4.6	157
2	Waveguide filters for satellites. IEEE Microwave Magazine, 2007, 8, 60-70.	0.8	106
3	Compact CPW-Fed Combine Filter in Substrate Integrated Waveguide Technology. IEEE Microwave and Wireless Components Letters, 2012, 22, 7-9.	3.2	69
4	Propagation Characteristics of Groove Gap Waveguide Below and Above Cutoff. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 27-36.	4.6	68
5	Substrate Integrated Waveguide Diplexer Based on Circular Triplet Combine Filters. IEEE Microwave and Wireless Components Letters, 2015, 25, 430-432.	3.2	62
6	Experimental Analysis of Passive Intermodulation at Waveguide Flange Bolted Connections. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1018-1028.	4.6	60
7	Nonstationary statistical theory for multipactor. Physics of Plasmas, 2010, 17, .	1.9	55
8	Multipactor Discharges in Parallel-Plate Dielectric-Loaded Waveguides Including Space-Charge Effects. IEEE Transactions on Electron Devices, 2008, 55, 2505-2511.	3.0	52
9	Improved Low Reflection Transition From Microstrip Line to Empty Substrate-Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2017, 27, 685-687.	3.2	50
10	A new hybrid mode-matching/numerical method for the analysis of arbitrarily shaped inductive obstacles and discontinuities in rectangular waveguides. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1219-1224.	4.6	49
11	Design of Ultra-Wideband Substrate Integrated Waveguide (SIW) Filters in Zigzag Topology. IEEE Microwave and Wireless Components Letters, 2009, 19, 281-283.	3.2	49
12	Study of equivalent circuits for open-ring and split-ring resonators in coplanar waveguide technology. IET Microwaves, Antennas and Propagation, 2007, 1, 170.	1.4	48
13	High-Performance Coplanar Waveguide to Empty Substrate Integrated Coaxial Line Transition. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4027-4034.	4.6	48
14	Design and Multiphysics Analysis of Direct and Cross-Coupled SIW Combine Filters Using Electric and Magnetic Couplings. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4341-4354.	4.6	47
15	Efficient modal analysis of arbitrarily shaped waveguides composed of linear, circular, and elliptical arcs using the BI-RME method. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2378-2390.	4.6	45
16	Multipactor theory for multicarrier signals. Physics of Plasmas, 2011, 18, .	1.9	45
17	Long-term multipactor discharge in multicarrier systems. Physics of Plasmas, 2007, 14, 082112.	1.9	42
18	Compact Dual-Mode Substrate Integrated Waveguide Coaxial Cavity for Bandpass Filter Design. IEEE Microwave and Wireless Components Letters, 2016, 26, 386-388.	3.2	42

#	ARTICLE	IF	CITATIONS
19	Prediction of Multipactor Breakdown Thresholds in Coaxial Transmission Lines for Traveling, Standing, and Mixed Waves. IEEE Transactions on Plasma Science, 2009, 37, 2031-2040.	1.3	41
20	Automated Design of Common-Mode Suppressed Balanced Wideband Bandpass Filters by Means of Aggressive Space Mapping. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3896-3908.	4.6	40
21	Efficient Analysis of Substrate Integrated Waveguide Devices Using Hybrid Mode Matching Between Cylindrical and Guided Modes. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 232-243.	4.6	39
22	Multipactor Effect Characterization of Dielectric Materials for Space Applications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3644-3655.	4.6	39
23	Design of Capacitively Loaded Coupled-Line Bandpass Filters With Compact Size and Spurious Suppression. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1235-1248.	4.6	38
24	A Systematic Design Procedure of Classical Dual-Mode Circular Waveguide Filters Using an Equivalent Distributed Model. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1006-1017.	4.6	37
25	Prediction of Multipactor Breakdown for Multicarrier Applications: The Quasi-Stationary Method. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2093-2105.	4.6	37
26	Experimental evidence of left handed transmission through arrays of ferromagnetic microwires. Applied Physics Letters, 2009, 94, .	3.3	36
27	On Space Mapping Techniques for Microwave Filter Tuning. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4860-4870.	4.6	36
28	Time evolution of an electron discharge in a parallel-plate dielectric-loaded waveguide. IEEE Electron Device Letters, 2006, 27, 619-621.	3.9	35
29	Design and experimental verification of backward-wave propagation in periodic waveguide structures. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1527-1533.	4.6	33
30	An Analytical Model to Evaluate the Radiated Power Spectrum of a Multipactor Discharge in a Parallel-Plate Region. IEEE Transactions on Electron Devices, 2008, 55, 2252-2258.	3.0	33
31	On the Fast and Rigorous Analysis of Compensated Waveguide Junctions Using Off-Centered Partial-Height Metallic Posts. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 168-175.	4.6	30
32	Low insertion loss 61 GHz narrow-band filter implemented with Groove Gap Waveguides. , 2014, , .		30
33	Empty SIW Technologies: A Major Step Toward Realizing Low-Cost and Low-Loss Microwave Circuits. IEEE Microwave Magazine, 2019, 20, 24-45.	0.8	30
34	Wideband Passband Transmission Line Based on Metamaterial-Inspired CPW Balanced Cells. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1421-1424.	4.0	29
35	Integration of a Very High Quality Factor Filter in Empty Substrate-Integrated Waveguide at ω -Band. IEEE Microwave and Wireless Components Letters, 2018, 28, 503-505.	3.2	29
36	A 2% Bandwidth C-Band Filter Using Cascaded Split Ring Resonators. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 256-259.	4.0	28

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37	Design of Planar Wideband Bandpass Filters From Specifications Using a Two-Step Aggressive Space Mapping (ASM) Optimization Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3341-3350.	4.6	28
38	Analysis of inhomogeneously filled waveguides using a bi-orthonormal-basis method. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 589-596.	4.6	27
39	High-Power Low-Pass Harmonic Filters With Higher-Order $TE_{m n 0}$ and Non- $TE_{m n 0}$ Mode Suppression: Design Method and Multipactor Characterization. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4376-4386.	4.6	27
40	Design of Compact Wideband Manifold-Coupled Multiplexers. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3398-3407.	4.6	27
41	High-Performance Compact Diplexers for Ku/K-Band Satellite Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3866-3876.	4.6	27
42	Compact Multilayer Filter in Empty Substrate Integrated Waveguide With Transmission Zeros. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2993-3000.	4.6	27
43	Compact Wideband Balanced Bandpass Filters With Very Broad Common-Mode and Differential-Mode Stopbands. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 737-750.	4.6	27
44	Three-dimensional scattering of dielectric gratings under plane-wave excitation. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 215-218.	4.0	26
45	Efficient Technique for the Cascade Connection of Multiple Two-Port Scattering Matrices. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1880-1886.	4.6	26
46	A novel band-pass filter topology for millimeter-wave applications based on the groove gap waveguide. , 2013, , .		26
47	Enhanced prediction of multipaction breakdown in passive waveguide components including space charge effects. , 2008, , .		25
48	Balanced Right/Left-Handed Coplanar Waveguide With Stub-Loaded Split-Ring Resonators. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 193-196.	4.0	25
49	Design and Performance of a High- Q Narrow Bandwidth Bandpass Filter in Empty Substrate Integrated Coaxial Line at K_u -Band. IEEE Microwave and Wireless Components Letters, 2017, 27, 977-979.	3.2	25
50	Compact Wideband Hybrid Filters in Rectangular Waveguide With Enhanced Out-of-Band Response. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 87-101.	4.6	25
51	Multipactor Susceptibility Charts of a Parallel-Plate Dielectric-Loaded Waveguide. IEEE Transactions on Electron Devices, 2010, 57, 1160-1166.	3.0	24
52	Through-line calibration for substrate integrated waveguide devices with tapered microstrip transitions. Electronics Letters, 2013, 49, 132-133.	1.0	24
53	On the Alignment of Low-Fidelity and High-Fidelity Simulation Spaces for the Design of Microwave Waveguide Filters. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5183-5196.	4.6	24
54	Microwave Corona Breakdown Prediction in Arbitrarily-Shaped Waveguide Based Filters. IEEE Microwave and Wireless Components Letters, 2010, 20, 214-216.	3.2	23

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55	A 3-D Smith Chart Based on the Riemann Sphere for Active and Passive Microwave Circuits. IEEE Microwave and Wireless Components Letters, 2011, 21, 286-288.	3.2	23
56	Efficient Design of Waveguide Manifold Multiplexers Based on Low-Order EM Distributed Models. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2540-2549.	4.6	23
57	Efficient Analysis of Arbitrarily Shaped Inductive Obstacles in Rectangular Waveguides Using a Surface Integral-Equation Formulation. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 715-721.	4.6	22
58	Accurate Synthesis and Design of Wideband and Inhomogeneous Inductive Waveguide Filters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2220-2230.	4.6	22
59	Full-Wave Analysis of Periodic Dielectric Frequency-Selective Surfaces Under Plane Wave Excitation. IEEE Transactions on Antennas and Propagation, 2012, 60, 2760-2769.	5.1	22
60	Multipactor in a Coaxial Line Under the Presence of an Axial DC Magnetic Field. IEEE Electron Device Letters, 2012, 33, 727-729.	3.9	22
61	Microstrip Filters With Enhanced Stopband Based on Lumped Bisected Pi-Sections With Parasitics. IEEE Microwave and Wireless Components Letters, 2017, 27, 19-21.	3.2	22
62	Ku Band High-Q Tunable Surface-Mounted Cavity Resonator Using RF MEMS Varactors. IEEE Microwave and Wireless Components Letters, 2011, 21, 237-239.	3.2	21
63	Exploring the Tuning Range of Channel Filters for Satellite Applications Using Electromagnetic-Based Computer Aided Design Tools. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 717-725.	4.6	21
64	Compact Folded Bandpass Filter in Empty Substrate Integrated Coaxial Line at S-Band. IEEE Microwave and Wireless Components Letters, 2019, 29, 315-317.	3.2	21
65	Multipactor Effect Analysis and Design Rules for Wedge-Shaped Hollow Waveguides. IEEE Transactions on Electron Devices, 2010, 57, 3508-3517.	3.0	20
66	Hybrid Technique Plus Fast Frequency Sweep for the Efficient and Accurate Analysis of Substrate Integrated Waveguide Devices. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 552-560.	4.6	20
67	A rigorous and efficient full-wave analysis of uniform bends in rectangular waveguide under arbitrary incidence. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 397-405.	4.6	19
68	Design of Hybrid Folded Rectangular Waveguide Filters With Transmission Zeros Below the Passband. IEEE Transactions on Microwave Theory and Techniques, 2016, , 1-11.	4.6	19
69	Accurate CAD for dual mode filters in circular waveguide including tuning elements. , 0, , .		18
70	Nonlinear effects in split ring resonators loaded with heterostructure barrier varactors. Microwave and Optical Technology Letters, 2008, 50, 474-479.	1.4	18
71	Synthesis of slow-wave structures based on capacitive-loaded lines through aggressive space mapping (ASM). International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 629-638.	1.2	18
72	Compact Microstrip to Empty Substrate-Integrated Coaxial Line Transition. IEEE Microwave and Wireless Components Letters, 2018, 28, 1080-1082.	3.2	18

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73	Design Procedure for Bandpass Filters Based on Integrated Coaxial and Rectangular Waveguide Resonators. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4390-4404.	4.6	18
74	Multipactor Analysis in Circular Waveguides. Journal of Electromagnetic Waves and Applications, 2009, 23, 1575-1583.	1.6	17
75	Capacitive Obstacle Realizing Multiple Transmission Zeros for In-Line Rectangular Waveguide Filters. IEEE Microwave and Wireless Components Letters, 2016, 26, 795-797.	3.2	17
76	Compact Combline Filter Embedded in a Bed of Nails. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1461-1471.	4.6	17
77	Highly selective left-handed transmission line loaded with split ring resonators and wires. Applied Physics Letters, 2009, 94, 143503.	3.3	16
78	A Controllable Bandwidth Filter Using Varactor-Loaded Metamaterial-Inspired Transmission Lines. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1575-1578.	4.0	16
79	Microwave Filter Based on Substrate Integrated Waveguide With Alternating Dielectric Line Sections. IEEE Microwave and Wireless Components Letters, 2018, 28, 990-992.	3.2	16
80	Microstrip to Ridge Empty Substrate-Integrated Waveguide Transition for Broadband Microwave Applications. IEEE Microwave and Wireless Components Letters, 2020, 30, 257-260.	3.2	16
81	Computer-aided design of inductively coupled rectangular waveguide filters including tuning elements. International Journal of RF and Microwave Computer-Aided Engineering, 1998, 8, 226-235.	1.2	15
82	Symmetrical frequency response in a split ring resonator based transmission line. Applied Physics Letters, 2008, 93, 203505.	3.3	15
83	Dual Composite Right-/Left-Handed Coplanar Waveguide Transmission Line Using Inductively Connected Split-Ring Resonators. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3035-3042.	4.6	15
84	Synthesis of Split-Rings-Based Artificial Transmission Lines Through a New Two-Step, Fast Converging, and Robust Aggressive Space Mapping (ASM) Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2295-2308.	4.6	15
85	Multipactor Mitigation in Coaxial Lines by Means of Permanent Magnets. IEEE Transactions on Electron Devices, 2014, 61, 4224-4231.	3.0	15
86	Size reduction and spurious suppression in microstrip coupled line bandpass filters by means of capacitive electromagnetic bandgaps. , 2016, , .		15
87	Multipactor RF Breakdown in Coaxial Transmission Lines With Digitally Modulated Signals. IEEE Transactions on Electron Devices, 2016, 63, 4096-4103.	3.0	15
88	Advanced Compact Setups for Passive Intermodulation Measurements of Satellite Hardware. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 700-710.	4.6	15
89	Novel Planar and Waveguide Implementations of Impedance Matching Networks Based on Tapered Lines Using Generalized Superellipses. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1874-1884.	4.6	15
90	Duality and Superposition in Split-Ring-Resonator-Loaded Planar Transmission Lines. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 886-889.	4.0	14

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91	Versatile, Error-Tolerant, and Easy to Manufacture Through-Wire Microstrip-to-ESIW Transition. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2243-2250.	4.6	14
92	Full-Wave Analysis and Design of Dielectric-Loaded Waveguide Filters Using a State-Space Integral-Equation Method. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 109-120.	4.6	13
93	Improved Computation of Propagation Losses in Waveguide Structures Using Perturbation of Boundary Conditions. IEEE Microwave and Wireless Components Letters, 2011, 21, 577-579.	3.2	13
94	Balanced Dual Composite Right/Left-Handed Microstrip Line With Modified Complementary Split-Ring Resonators. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 880-883.	4.0	13
95	Analysis of Multipactor Effect Using a Phase-Shift Keying Single-Carrier Digital Modulated Signal. IEEE Transactions on Electron Devices, 2013, 60, 2664-2670.	3.0	13
96	Multilevel transition in empty substrate integrated waveguide. Electronics Letters, 2016, 52, 1543-1544.	1.0	13
97	Groove gap waveguide as an alternative to rectangular waveguide for H _{â€} plane components. Electronics Letters, 2016, 52, 939-941.	1.0	13
98	A New Family of Multiband Waveguide Filters Based on a Folded Topology. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2590-2600.	4.6	13
99	CAD of complex passive devices composed of arbitrarily shaped waveguides using Nyströ/spl uml/m and BI-RME methods. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 2153-2163.	4.6	12
100	Hybrid Mode Matching and Method of Moments Method for the Full-Wave Analysis of Arbitrarily Shaped Structures Fed Through Canonical Waveguides Using Only Electric Currents. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 537-544.	4.6	12
101	Radioâ€frequency performance comparison of several <i>H</i> â€plane rectangular waveguide filters loaded with circular dielectric posts. IET Microwaves, Antennas and Propagation, 2016, 10, 536-545.	1.4	12
102	Waveguide band-pass filter with reduced sensitivity to fabrication tolerances for Q-band payloads. , 2017,, .		12
103	Miniaturization of Power Divider and 90Â° Hybrid Directional Coupler for C-Band Applications Using Empty Substrate-Integrated Coaxial Lines. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3055-3062.	4.6	12
104	Peak and Average Power Handling Capability of Microstrip Filters. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3436-3448.	4.6	12
105	Characterization of Nematic Liquid Crystal at Microwave Frequencies Using Split-Cylinder Resonator Method. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2812-2820.	4.6	12
106	Experimental Study of the Multipactor Effect in a Partially Dielectric-Loaded Rectangular Waveguide. IEEE Microwave and Wireless Components Letters, 2019, 29, 595-597.	3.2	12
107	Teaching of wave propagation phenomena using MATLAB GUIs at the Universidad Politecnica of Valencia. IEEE Antennas and Propagation Magazine, 2003, 45, 140-143.	1.4	11
108	Towards the automatic layout synthesis in resonant-type metamaterial transmission lines. IET Microwaves, Antennas and Propagation, 2010, 4, 1007.	1.4	11

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109	Full-Wave Modal Analysis of Slow-Wave Periodic Structures Loaded With Elliptical Waveguides. IEEE Transactions on Electron Devices, 2010, 57, 516-524.	3.0	11
110	Efficient Modal Analysis of Periodic Structures Loaded With Arbitrarily Shaped Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 529-536.	4.6	11
111	Analysis of the electromagnetic radiation generated by a multipactor discharge occurring within a microwave passive component. Journal Physics D: Applied Physics, 2010, 43, 395501.	2.8	11
112	Improvement for the design equations for tapered Microstrip-to-Substrate Integrated Waveguide transitions. , 2011, , .		11
113	Study of the Multipactor Effect in Bandpass Wedge-Shaped Waveguide Filters. IEEE Transactions on Electron Devices, 2011, 58, 3205-3212.	3.0	11
114	Multipactor Susceptibility Charts for Ridge and Multiridge Waveguides. IEEE Transactions on Electron Devices, 2012, 59, 3601-3607.	3.0	11
115	Apollonius unilateral transducer constant power gain circles on 3D Smith charts. Electronics Letters, 2014, 50, 1531-1533.	1.0	11
116	Analysis of Multipactor RF Breakdown in a Waveguide Containing a Transversely Magnetized Ferrite. IEEE Transactions on Electron Devices, 2016, 63, 4939-4947.	3.0	11
117	Cross-guide Moreno directional coupler in empty substrate integrated waveguide. Radio Science, 2017, 52, 597-603.	1.6	11
118	Automated design of complex waveguide filters for space systems: A case study. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 84-89.	1.2	10
119	New folded configuration of rectangular waveguide filters with asymmetrical transmission zeros. , 2014, , .		10
120	Correction of manufacturing deviations in circular-waveguide dual-mode filters using aggressive space mapping. , 2014, , .		10
121	Compensated double-ridge waveguide E-plane and H-plane T-junctions. , 2015, , .		10
122	Secondary Electron Emission of Pt: Experimental Study and Comparison With Models in the Multipactor Energy Range. IEEE Transactions on Electron Devices, 2016, 63, 3270-3277.	3.0	10
123	Evanescence-Mode Ridge-Waveguide Radiating Filters for Space Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 6286-6297.	5.1	10
124	Multipactor radiation analysis within a waveguide region based on a frequency-domain representation of the dynamics of charged particles. Physical Review E, 2009, 79, 046604.	2.1	9
125	Performance analysis and comparison of symmetrical and asymmetrical configurations of evanescent mode ridge waveguide filters. Radio Science, 2009, 44, .	1.6	9
126	Synthesis of compact and highly selective filters via metamaterial-inspired coplanar waveguide line technologies. IET Microwaves, Antennas and Propagation, 2010, 4, 1098.	1.4	9

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127	Novel rectangular waveguide structures for advanced filter characteristics. , 2014, , .		9
128	Multipactor Effect in a Parallel-Plate Waveguide Partially Filled With Magnetized Ferrite. IEEE Transactions on Electron Devices, 2014, 61, 2552-2557.	3.0	9
129	Quasi-elliptic filter based on SIW combline resonators using a coplanar line cross-coupling. , 2015, , .		9
130	Experimental Analysis of the Multipactor Effect With RF Pulsed Signals. IEEE Electron Device Letters, 2015, 36, 1085-1087.	3.9	9
131	Robust optimization and tuning of microwave filters and artificial transmission lines using aggressive space mapping techniques. , 2017, , .		9
132	Slotted ESIW Antenna With High Efficiency for a MIMO Radar Sensor. Radio Science, 2018, 53, 605-610.	1.6	9
133	Versatile Transition for Multilayer Compact Devices in Empty Substrate Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2018, 28, 482-484.	3.2	9
134	Waveguide Quadruplet Diplexer for Multi-Beam Satellite Applications. IEEE Access, 2020, 8, 110116-110128.	4.2	9
135	Compact Ultrawideband Grounded Coplanar Waveguide to Substrate Integrated Waveguide Tapered V-Slot Transition. IEEE Microwave and Wireless Components Letters, 2020, 30, 1137-1140.	3.2	9
136	Compact Dual-Band and Wideband Filters With Resonant Apertures in Rectangular Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3125-3140.	4.6	9
137	EM-based synthesis and design of bandpass waveguide filters including manufacturing effects with FEST 3D. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 93-103.	1.2	8
138	Empty substrate integrated waveguide technology for E plane high-frequency and high-performance circuits. Radio Science, 2017, 52, 49-69.	1.6	8
139	Enhancing the performance of stepped impedance resonator filters in rectangular waveguide. , 2017, , .		8
140	Novel Spatial Domain Integral Equation Formulation for the Analysis of Rectangular Waveguide Steps Close to Arbitrarily Shaped Dielectric and/or Conducting Posts. Radio Science, 2018, 53, 406-419.	1.6	8
141	Characterization of Nematic Liquid Crystals at Microwave Frequencies. Crystals, 2020, 10, 1106.	2.2	8
142	EM-Based Space Mapping Optimization of Left-handed Coplanar Waveguide Filters with Split Ring Resonators. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	7
143	Synthesis of planar microwave circuits through aggressive space mapping using commercially available software packages. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 527-534.	1.2	7
144	Compact SMD packaged tunable filter based on substrate integrated coaxial resonators. , 2014, , .		7

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145	PRACTICAL DESIGN OF FILTERS USING EBG WAVEGUIDES PERIODICALLY LOADED WITH METAL RIDGES. Progress in Electromagnetics Research C, 2016, 63, 13-21.	0.9	7
146	Compact bandpass filters based on a new substrate integrated waveguide coaxial cavity. , 2016, , .		7
147	Automated design of balanced wideband bandpass filters based on mirrored stepped impedance resonators (SIRs) and interdigital capacitors. International Journal of Microwave and Wireless Technologies, 2016, 8, 731-740.	1.9	7
148	Compact Bandpass Filter in Empty Substrate Integrated Coaxial Line. , 2018, , .		7
149	Experimental Validation of Multipactor Effect for Ferrite Materials Used in L- and S-Band Nonreciprocal Microwave Components. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2151-2161.	4.6	7
150	Design and implementation of evanescent mode waveguide filters using dielectrics and additive manufacturing techniques. AEU - International Journal of Electronics and Communications, 2020, 116, 153065.	2.9	7
151	Inline Combline Filters of Order N With up to $N + 1$ Transmission Zeros. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3287-3297.	4.6	7
152	Hybrid Wideband Staircase Filters in Rectangular Waveguide With Enhanced Out-of-Band Response. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3783-3796.	4.6	7
153	Efficient analysis of in-line waveguide filters and frequency-selective surfaces with stepped holes. International Journal of RF and Microwave Computer-Aided Engineering, 2003, 13, 306-315.	1.2	6
154	Rigorous investigation of RF breakdown effects in high power microstrip passive circuits. , 2009, , .		6
155	Distributed Models for Filter Synthesis. IEEE Microwave Magazine, 2011, 12, 87-100.	0.8	6
156	Multimodal Characterization of the Multipactor Effect in Microwave Waveguide Components. IEEE Microwave and Wireless Components Letters, 2012, 22, 61-63.	3.2	6
157	Broadband Equivalent Circuit Model for a Coplanar Waveguide Line Loaded with Split Ring Resonators. International Journal of Antennas and Propagation, 2012, 2012, 1-6.	1.2	6
158	Multipactor-resistant low-pass harmonic filters with wide-band higher-order mode suppression. , 2013, , .		6
159	Multipactor prediction with multi-carrier signals: Experimental results and discussions on the 20-gap-crossing rule. , 2014, , .		6
160	Correction of manufacturing deviations in waveguide filters and manifold multiplexers using metal insertions. International Journal of Microwave and Wireless Technologies, 2015, 7, 219-227.	1.9	6
161	Calculation of the electrostatic field in a dielectric-loaded waveguide due to an arbitrary charge distribution on the dielectric layer. , 2016, , .		6
162	Experimental study in Ku-band of the propagation inside Empty Substrate Integrated Waveguides. , 2016, , .		6

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163	Highly Versatile Coplanar Waveguide Line With Electronically Reconfigurable Bandwidth and Propagation Characteristics. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 128-135.	4.6	6
164	Efficient implementation of the aggressive space mapping technique for microwave filter design. , 2017, , .		6
165	Space Mapping for Tuning Microwave Waveguide Filters. , 2019, , .		6
166	Enhancing the Out-of-Band Response of Hybrid Wide-Band Filters in Rectangular Waveguide. , 2021, , .		6
167	Analysis of H-Plane Waveguide Components with Dielectric Obstacles by the BI-RME Method. , 2002, , .		5
168	Investigation of Multipaction Phenomena in Passive Waveguide Filters for Space Applications. , 2006, , .		5
169	Multipactor Analysis in Coaxial Waveguides for Satellite Applications using Frequency-Domain Methods. , 2006, , .		5
170	Enhanced backward wave propagation in evanescent waveguides loaded with split ring resonators. Journal of Applied Physics, 2007, 102, 044902.	2.5	5
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