

Vicente Boria

List of Publications by Year in descending order

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308
papers

3,887
citations

159585

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313
docs citations

313
times ranked

1892
citing authors

#	ARTICLE	IF	CITATIONS
1	Space mapping filter design and tuning techniques. International Journal of Microwave and Wireless Technologies, 2022, 14, 387-396.	1.9	1
2	Novel Prediction Methods of Multicarrier Multipactor for Space Industry Standards. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 670-684.	4.6	3
3	Multipactor Threshold Estimation Techniques Based on Circuit Models, Electromagnetic Fields, and Particle Simulators. IEEE Journal of Microwaves, 2022, 2, 57-77.	6.5	5
4	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
5	Peak Power Handling Capability in Groove Gap Waveguide Filters Based on Horizontally Polarized Resonators and Enhancement Solutions. IEEE Microwave and Wireless Components Letters, 2022, 32, 859-862.	3.2	3
6	Study of the Multipactor Effect in Groove Gap Waveguide Technology. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2566-2578.	4.6	4
7	Inductive Cascaded Quadruplet With Diagonal Cross-Coupling in Rectangular Waveguide. IEEE Access, 2022, 10, 45241-45255.	4.2	2
8	Improved Microstrip-to-ESIW Transition With Elliptical Dielectric Taper in Ku- and Ka-Bands. IEEE Access, 2022, 10, 51412-51418.	4.2	2
9	Compact C-band Wilkinson Power Divider in Empty Substrate Integrated Coaxial Line. , 2022, , .		0
10	Dual-Polarized Multilayer L-Band Asymmetric Subarray with Truncated Electric Walls Separation for Airborne SAR Applications. , 2022, , .		1
11	Analysis and Design of Re-Configurable Compline Filters Using Dielectric Tuners. , 2022, , .		3
12	Enhancing the Out-of-Band Response of Hybrid Wide-Band Filters in Rectangular Waveguide. , 2021, , .		6
13	Cover-Ended Resonators to Increase Corona Discharge Thresholds in Microstrip Bandpass Filters. , 2021, , .		3
14	Design Strategy and Considerations to Improve Corona Discharge Breakdown in Groove Gap Waveguides. , 2021, , .		5
15	On the Integration of Microwave Filters and Waveguide Switches. IEEE Microwave and Wireless Components Letters, 2021, 31, 265-268.	3.2	4
16	Increasing Peak Power Handling in Microstrip Bandpass Filters by Using Rounded-End Resonators. IEEE Microwave and Wireless Components Letters, 2021, 31, 237-240.	3.2	5
17	Sequential 90° Rotation of Dual-Polarized Antenna Elements in Linear Phased Arrays with Improved Cross-Polarization Level for Airborne Synthetic Aperture Radar Applications. Remote Sensing, 2021, 13, 1430.	4.0	4
18	Enhancement of corona discharge thresholds in microstrip bandpass filters by using cover-ended resonators. International Journal of Microwave and Wireless Technologies, 2021, 13, 708-718.	1.9	4

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19	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
20	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
21	Dual-Band Filters in Rectangular Waveguide Based on Resonant Apertures. , 2021, , .		5
22	High Power RF Discharge Detection Technique Based on the In-Phase and Quadrature Signals. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 5429-5438.	4.6	2
23	A New Model to Determine Passive Intermodulation Terms When Non-Contributing Carriers are Added to Classical Scenarios. IEEE Access, 2021, 9, 152070-152074.	4.2	1
24	Microstrip to Double Ridge Empty Substrate Integrated Waveguide Transitions Based on Exponential and Superelliptical Dielectric Taper. IEEE Access, 2021, 9, 165745-165753.	4.2	4
25	Miniaturized Ultra-Wideband Bandpass Filter Based on Substrate Integrated Quasi-Lumped Resonators. , 2021, , .		2
26	Resistorless Implementation of Lossy Filters Using Coaxial SIW Resonators With Non-uniform Q. , 2021, , .		1
27	On the analysis of capacitive rectangular waveguide discontinuities close to arbitrarily shaped conducting and dielectric posts. AEU - International Journal of Electronics and Communications, 2020, 113, 152976.	2.9	1
28	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
29	Thermal Stability Analysis of Filters in Substrate Integrated Technologies Under Atmospheric Pressure and Vacuum Conditions. IEEE Access, 2020, 8, 118072-118082.	4.2	5
30	Transition from Microstrip Line to Ridge Empty Substrate Integrated Waveguide Based on the Equations of the Superellipse. Applied Sciences (Switzerland), 2020, 10, 8101.	2.5	4
31	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
32	Multimode Equivalent Networks for Shielded Microwave Circuits With Thick Metallizations. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5004-5013.	4.6	0
33	Characterization of Nematic Liquid Crystals at Microwave Frequencies. Crystals, 2020, 10, 1106.	2.2	8
34	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
35	Multimode Equivalent Network for Boxed Multilayer Arbitrary Planar Circuits. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2501-2514.	4.6	4
36	Waveguide Quadruplet Diplexer for Multi-Beam Satellite Applications. IEEE Access, 2020, 8, 110116-110128.	4.2	9

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37	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
38	Design Procedure of Continuous Profile Stopband Filters Implemented With Empty Substrate Integrated Coaxial Lines. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1520-1528.	4.6	4
39	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
40	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
41	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
42	Peak and Average Power Handling Capability of Microstrip Filters. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3436-3448.	4.6	12
43	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
44	Wideband Transition for Increased-Height Empty Substrate Integrated Waveguide. IEEE Access, 2019, 7, 149406-149413.	4.2	4
45	On Space Mapping Techniques for Microwave Filter Tuning. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4860-4870.	4.6	36
46	Implementation of Waveguide Terminations With Low-Passive Intermodulation for Conducted Test Beds in Backward Configuration. IEEE Microwave and Wireless Components Letters, 2019, 29, 659-661.	3.2	4
47	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
48	Evanescent-Mode Ridge-Waveguide Radiating Filters for Space Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 6286-6297.	5.1	10
49	Electronically Reconfigurable Doublet in Dual-Mode Coaxial SIW. , 2019, , .		4
50	Space Mapping for Tuning Microwave Waveguide Filters. , 2019, , .		6
51	Rectangular Waveguide Quadruplet Filter for Satellite Applications. , 2019, , .		5
52	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
53	A Novel Magnetic Coupling for Miniaturized Bandpass Filters in Embedded Coaxial SIW. Applied Sciences (Switzerland), 2019, 9, 394.	2.5	5
54	Compact Folded Bandpass Filter in Empty Substrate Integrated Coaxial Line at \$\$\$ -Band. IEEE Microwave and Wireless Components Letters, 2019, 29, 315-317.	3.2	21

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55	Controlled Out-of-Band Rejection of Filters Based on SIW With Alternating Dielectric Line Sections. IEEE Microwave and Wireless Components Letters, 2019, 29, 258-260.	3.2	0
56	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
57	Compact Combine Filter Embedded in a Bed of Nails. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1461-1471.	4.6	17
58	Electric Multimode Equivalent Network Technique for Multilayer Shielded Circuits Based on Arbitrary Rectangular Elements. , 2019, , .		2
59	Optimized Design of Combline Filters with Transmission Zeros. , 2019, , .		1
60	Integral Equation Analysis of Multiport H-plane Devices Containing Arbitrarily Shaped Metallic and/or Dielectric Posts by Using Two-Dimensional Cavity and Parallel Plate Green's Functions. , 2019, , .		1
61	Systematic procedure for the efficient design of folded waveguide comb-line filters. , 2019, , .		2
62	Novel Integral Equation Formulation for the Analysis of Capacitive Step Discontinuities. , 2019, , .		0
63	Viability of using additive manufacturing for horn antennas fed with empty substrate integrated waveguide. , 2019, , .		0
64	Advanced Compact Setups for Passive Intermodulation Measurements of Satellite Hardware. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 700-710.	4.6	15
65	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
66	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
67	Slotted ESIW Antenna With High Efficiency for a MIMO Radar Sensor. Radio Science, 2018, 53, 605-610.	1.6	9
68	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
69	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
70	An Efficient Technique to Assess the Convergence of the Multimode Equivalent Network for Waveguide Devices. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 651-659.	4.6	2
71	Miniaturization of Power Divider and 90° 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
72	Study of the Secondary Electron Yield in Dielectrics Using Equivalent Circuit Models. IEEE Transactions on Plasma Science, 2018, 46, 859-867.	1.3	4

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73	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
74	Stop Band Continuous Profile Filter in Empty Substrate Integrated Coaxial Line. Applied Sciences (Switzerland), 2018, 8, 2176.	2.5	3
75	Multipactor Characterization of Ferrite Materials for Space Applications. , 2018, , .		0
76	Efficient Design Procedure of OMUX Satellite Channel Filters using Full-Wave Numerical Methods. , 2018, , .		1
77	Study on Multipactor Breakdown in Coaxial to Microstrip Transitions. , 2018, , .		2
78	Compact Bandpass Filter in Empty Substrate Integrated Coaxial Line. , 2018, , .		7
79	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
80	Novel Solution for the Coaxial Excitation of Inductive Rectangular Waveguide Filters. , 2018, , .		4
81	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
82	Compact Microstrip to Empty Substrate-Integrated Coaxial Line Transition. IEEE Microwave and Wireless Components Letters, 2018, 28, 1080-1082.	3.2	18
83	High Selectivity Filters in Coaxial SIW Based on Singlets and Doublets. , 2018, , .		3
84	Integration of a Very High Quality Factor Filter in Empty Substrate-Integrated Waveguide at ω & Q Band. IEEE Microwave and Wireless Components Letters, 2018, 28, 503-505.	3.2	29
85	Implementing Quasi-Elliptic Microstrip Filters Using Terminating Half Sections. IEEE Microwave and Wireless Components Letters, 2018, 28, 783-785.	3.2	4
86	Multipactor Effect Characterization of Dielectric Materials for Space Applications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3644-3655.	4.6	39
87	Versatile Transition for Multilayer Compact Devices in Empty Substrate Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2018, 28, 482-484.	3.2	9
88	Automated design of bandpass filters based on open complementary split ring resonators (<sc>OCSRRs</sc>) using aggressive space mapping (ASM) optimization. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2121.	1.9	4
89	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
90	High-Power Multicarrier Generation for RF Breakdown Testing. IEEE Transactions on Electron Devices, 2017, 64, 556-563.	3.0	1

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91	Empty substrate integrated waveguide technology for E_{z} plane high-frequency and high-performance circuits. Radio Science, 2017, 52, 49-69.	1.6	8
92	High-Performance Compact Diplexers for Ku/K-Band Satellite Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3866-3876.	4.6	27
93	Cross-guide Moreno directional coupler in empty substrate integrated waveguide. Radio Science, 2017, 52, 597-603.	1.6	11
94	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
95	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
96	Practical considerations on the design and optimization of substrate integrated coaxial filters. , 2017, , .		4
97	Exploring the tunability range of classic circular waveguide dual mode filters using EM-Based CAD. , 2017, , .		3
98	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
99	On Multimode Equivalent Network Representation of Finite Arrays of Open-Ended Waveguides. IEEE Transactions on Antennas and Propagation, 2017, 65, 4334-4339.	5.1	2
100	New decoupled empty substrate integrated waveguide realisation. Electronics Letters, 2017, 53, 1203-1205.	1.0	5
101	Optimized wideband differential-mode bandpass filters with broad stopband and common-mode suppression based on multi-section stepped impedance resonators and interdigital capacitors. , 2017, , .		4
102	Design procedure for coaxial combline filters based on segmentation and space mapping strategies. , 2017, , .		2
103	Novel multipactor studies in RF satellite payloads: Single-carrier digital modulated signals and ferrite materials. , 2017, , .		4
104	Design of advanced waveguide filters for passive intermodulation measurement setups. , 2017, , .		2
105	Waveguide band-pass filter with reduced sensitivity to fabrication tolerances for Q-band payloads. , 2017, , .		12
106	Realization of filters with improved selectivity using lumped and quasi-lumped terminating half sections. , 2017, , .		2
107	Robust optimization and tuning of microwave filters and artificial transmission lines using aggressive space mapping techniques. , 2017, , .		9
108	New design method of impedance matching networks based on tapered lines using generalized superellipses. , 2017, , .		1

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109	Efficient implementation of the aggressive space mapping technique for microwave filter design. , 2017, , .		6
110	Enhancing the performance of stepped impedance resonator filters in rectangular waveguide. , 2017, , .		8
111	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
112	New design methodology for multiband waveguide filters based on multiplexing techniques. , 2017, , .		5
113	PRACTICAL DESIGN OF FILTERS USING EBG WAVEGUIDES PERIODICALLY LOADED WITH METAL RIDGES. Progress in Electromagnetics Research C, 2016, 63, 13-21.	0.9	7
114	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
115	Recent advances of the multipactor RF breakdown in RF satellite microwave passive devices. , 2016, , .		2
116	Computer-aided design (CAD) of filters and multiplexers for passive inter-modulation (PIM) set-ups. , 2016, , .		3
117	Multilevel transition in empty substrate integrated waveguide. Electronics Letters, 2016, 52, 1543-1544.	1.0	13
118	A fast analysis method for the Groove Gap Waveguide using transmission line theory. , 2016, , .		3
119	Calculation of the electrostatic field in a dielectric-loaded waveguide due to an arbitrary charge distribution on the dielectric layer. , 2016, , .		6
120	Experimental verification of multipactor prediction methods in multicarrier systems. , 2016, , .		5
121	Helical resonator with modulated radius for improved multipactor threshold: Numerical and experimental results. , 2016, , .		3
122	Experimental study in Ku-band of the propagation inside Empty Substrate Integrated Waveguides. , 2016, , .		6
123	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
124	Radio-frequency performance comparison of several H -plane rectangular waveguide filters loaded with circular dielectric posts. IET Microwaves, Antennas and Propagation, 2016, 10, 536-545.	1.4	12
125	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
126	Compact bandpass filters based on a new substrate integrated waveguide coaxial cavity. , 2016, , .		7

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127	Experimental measurements and diagnosis of radio-frequency space high power and electromagnetic compatibility effects. , 2016, , .		0
128	Compensation of the impact of low-cost manufacturing techniques in the design of E-plane multiport waveguide junctions. Radio Science, 2016, 51, 619-628.	1.6	2
129	A procedure to correct the response of manufactured Groove Gap Waveguide components. , 2016, , .		0
130	Size reduction and spurious suppression in microstrip coupled line bandpass filters by means of capacitive electromagnetic bandgaps. , 2016, , .		15
131	Study of periodic Dielectric Frequency-Selective Surfaces under 3D plane wave incidence. , 2016, , .		0
132	Multipactor RF Breakdown in Coaxial Transmission Lines With Digitally Modulated Signals. IEEE Transactions on Electron Devices, 2016, 63, 4096-4103.	3.0	15
133	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
134	Groove gap waveguide as an alternative to rectangular waveguide for H-plane components. Electronics Letters, 2016, 52, 939-941.	1.0	13
135	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
136	An effective post-manufactured tuning method for gap waveguide components. , 2016, , .		3
137	Direct full-wave modeling of bi-dimensional structures combining E-plane and H-plane analysis techniques. , 2016, , .		1
138	Design of narrowband dielectric frequency-selective surfaces for microwave applications. IET Microwaves, Antennas and Propagation, 2016, 10, 251-255.	1.4	4
139	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
140	Propagation Characteristics of Groove Gap Waveguide Below and Above Cutoff. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 27-36.	4.6	68
141	Segmentation strategy for the efficient analysis and design of substrate integrated waveguide directly coupled cavity filters. IET Microwaves, Antennas and Propagation, 2016, 10, 283-287.	1.4	3
142	Unattended Design of Wideband Planar Filters Using a Two-Step Aggressive Space Mapping (ASM) Optimization Algorithm. Springer Proceedings in Mathematics and Statistics, 2016, , 135-159.	0.2	0
143	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
144	Application of aggressive space mapping (ASM) to the automated design of differential-mode wideband bandpass filters with common-mode suppression. , 2015, , .		1

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145	Flexible and efficient computer-aided design tool for advanced comb-line rectangular waveguide filters. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 696-708.	1.2	3
146	Highly efficient full-wave electromagnetic analysis of 3D arbitrarily shaped waveguide microwave devices using an integral equation technique. Radio Science, 2015, 50, 642-655.	1.6	1
147	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
148	Compensated double-ridge waveguide E-plane and H-plane T-junctions. , 2015, , .		10
149	Response correction of a V-band narrow-band filter using tuning metal insertions and Aggressive Space Mapping. , 2015, , .		1
150	Microwave photonics beat filter monolithically integrated on an indium phosphide chip (invited) Tj ETQqO O O rgBT /Overlock 10 Tf 50 5		
151	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
152	Design and Multiphysics Analysis of Direct and Cross-Coupled SIW Comblines Filters Using Electric and Magnetic Couplings. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4341-4354.	4.6	47
153	Analysis and design of passive microwave components in substrate integrated waveguide technology. , 2015, , .		3
154	Automatic, Calibrated and Accurate Measurement of S-Parameters in Climatic Chamber. IEEE Microwave and Wireless Components Letters, 2015, 25, 412-414.	3.2	4
155	Study on energy recovery from substrate integrated waveguide circuits. , 2015, , .		1
156	Quasi-elliptic filter based on SIW comblines resonators using a coplanar line cross-coupling. , 2015, , .		9
157	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
158	Experimental Analysis of the Multipactor Effect With RF Pulsed Signals. IEEE Electron Device Letters, 2015, 36, 1085-1087.	3.9	9
159	Substrate Integrated Waveguide Diplexer Based on Circular Triplet Comblines Filters. IEEE Microwave and Wireless Components Letters, 2015, 25, 430-432.	3.2	62
160	Design of Compact Wideband Manifold-Coupled Multiplexers. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3398-3407.	4.6	27
161	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
162	Systematic procedure to avoid unintended polarity mismatch in the cascade connection of multiport devices with symmetric feeding lines. IET Microwaves, Antennas and Propagation, 2015, 9, 1128-1135.	1.4	0

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163	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
164	New folded configuration of rectangular waveguide filters with asymmetrical transmission zeros. , 2014, , .		10
165	Novel rectangular waveguide structures for advanced filter characteristics. , 2014, , .		9
166	On the analysis of radiation losses in substrate integrated waveguide using mode-matching and method of moments. , 2014, , .		1
167	Apollonius unilateral transducer constant power gain circles on 3D Smith charts. Electronics Letters, 2014, 50, 1531-1533.	1.0	11
168	Extending the Cascading by Pairs of Multiport Generalized Scattering Matrices for Characterizing the Connected Ports. IEEE Microwave and Wireless Components Letters, 2014, 24, 733-735.	3.2	3
169	Synthesis of open complementary split ring resonators (OCSRRs) through aggressive space mapping (ASM) and application to bandpass filters. , 2014, , .		4
170	Correction of manufacturing deviations in circular-waveguide dual-mode filters using aggressive space mapping. , 2014, , .		10
171	Rigorous evaluation of propagation losses in arbitrarily shaped waveguide structures using boundary integral " resonant mode expansion and perturbation of boundary conditions. IET Microwaves, Antennas and Propagation, 2014, 8, 980-989.	1.4	2
172	Multipactor Mitigation in Coaxial Lines by Means of Permanent Magnets. IEEE Transactions on Electron Devices, 2014, 61, 4224-4231.	3.0	15
173	Multipactor prediction with multi-carrier signals: Experimental results and discussions on the 20-gap-crossing rule. , 2014, , .		6
174	Analysis of the multipactor effect in circular waveguides excited by two orthogonal polarization waves. Physics of Plasmas, 2014, 21, .	1.9	3
175	Low insertion loss 61 GHz narrow-band filter implemented with Groove Gap Waveguides. , 2014, , .		30
176	A commercial EM solver using the BI-RME method. , 2014, , .		1
177	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
178	Corrections to "Multipactor Susceptibility Charts for Ridge and Multi-Ridge Waveguides" [Dec 12 3601-3607]. IEEE Transactions on Electron Devices, 2014, 61, 212-212.	3.0	1
179	Compact SMD packaged tunable filter based on substrate integrated coaxial resonators. , 2014, , .		7
180	Automated synthesis of planar wideband bandpass filters based on stepped impedance resonators (SIRs) and shunt stubs through aggressive space mapping (ASM). , 2014, , .		4

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181	Automated synthesis of transmission lines loaded with complementary split ring resonators (CSRRLs) and open complementary split ring resonators (OCSRRLs) through aggressive space mapping (ASM). Applied Physics A: Materials Science and Processing, 2014, 117, 557-565.	2.3	2
182	Design of waveguide manifold multiplexers with dual-mode filters using distributed models. , 2014, , .		4
183	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
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