

Maurizio Bozzi

List of Publications by Year in descending order

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351
papers

6,307
citations

109137

35
h-index

95083

68
g-index

360
all docs

360
docs citations

360
times ranked

3648
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-Printed Electromagnetic Band-Gap Band-Pass Filter Based on Empty Single-Ridge Waveguide. IEEE Access, 2022, 10, 53954-53962.	2.6	1
2	Wideband Microstrip to 3-D-Printed Air-Filled Waveguide Transition Using a Radiation Probe. IEEE Microwave and Wireless Components Letters, 2022, 32, 1179-1182.	2.0	5
3	Modified CSRRs in SIW technology for passband improvement. , 2022, , .		0
4	Preliminary Study of Bone Tumors Hyperthermia at Microwaves Using Magnetic Implants. , 2022, , .		4
5	Test tube dedicated microwave liquid dielectric sensor for non-contact properties change monitoring and material characterization with tube exchange capability. Measurement: Journal of the International Measurement Confederation, 2022, 198, 111397.	2.5	3
6	A Coaxial to Air-Filled Substrate Integrated Waveguide Transition With Near-Octave Bandwidth. IEEE Microwave and Wireless Components Letters, 2022, , 1-4.	2.0	0
7	A Microwave Sensor With Operating Band Selection to Detect Rotation and Proximity in the Rapid Prototyping Industry. IEEE Transactions on Industrial Electronics, 2021, 68, 683-693.	5.2	40
8	<sc>3D</sc>-Printed pumpkin-shaped cavity resonator to determine the complex permittivity of liquids. Microwave and Optical Technology Letters, 2021, 63, 1061-1066.	0.9	6
9	Synthesis of Bessel Beam Using Time-Reversal Method Incorporating Metasurface. IEEE Access, 2021, 9, 30677-30686.	2.6	6
10	3-D-Printed Compact Bandpass Filters Based on Conical Posts. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 616-628.	2.9	17
11	Broadband Permittivity and Permeability Extraction of 3-D-Printed Magneto-Dielectric Substrates. IEEE Microwave and Wireless Components Letters, 2021, 31, 1174-1177.	2.0	9
12	Efficient approach for dielectric permittivity measurements of liquids adopting a 3D-Printed cavity resonator. Microwave and Optical Technology Letters, 2021, 63, 2797-2802.	0.9	3
13	Design of Inline Waveguide Filters With Frequency-Variant Couplings Producing Transmission Zeros. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3746-3758.	2.9	15
14	Substrate Integrated Transmission Lines: Review and Applications. IEEE Journal of Microwaves, 2021, 1, 345-363.	4.9	111
15	Additively Fabricated Air-Filled Waveguide Integrated With Printed Circuit Board Using a Through-Patch Transition. IEEE Microwave and Wireless Components Letters, 2021, 31, 1207-1210.	2.0	10
16	Modified quarter-mode substrate integrated waveguides cavities: Performance study and application to filters. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22524.	0.8	4
17	Substrate Integrated Waveguide (SIW) Cavity Resonators: a Review of Technologies and Applications. , 2021, , .		2
18	Microwave-Microfluidic Sensor in Hybrid 3-D Printing and Laminate Technology for Chemicals Monitoring from Differential Reflection. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	A Multiphysics Model for Bone Repair Using Magnetic Scaffolds for Targeted Drug Delivery. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2021, 6, 201-213.	1.4	8
20	Overview of Air-Filled SIW Filter Topologies. , 2021, , .		1
21	Novel Structures and Technologies for Microwave Sensors. , 2021, , .		0
22	A Highly Sensitive Planar Microwave Sensor for Detecting Direction and Angle of Rotation. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1598-1609.	2.9	55
23	3-D Printed Microfluidic Sensor in SIW Technology for Liquidsâ€™ Characterization. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1175-1184.	2.9	41
24	Voltage-Controlled and Input-Matched Tunable Microstrip Attenuators Based on Few-Layer Graphene. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 701-710.	2.9	17
25	Novel MNZ-type microwave sensor for testing magnetodielectric materials. Scientific Reports, 2020, 10, 16985.	1.6	6
26	Design and Fabrication of a Band-Pass Filter With EBG Single-Ridge Waveguide Using Additive Manufacturing Techniques. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4361-4368.	2.9	17
27	3-D Printed Bandpass Filter Using Conical Posts Interlaced Vertically. , 2020, , .		10
28	Multilayered additive-manufactured half-wavelength coupled line filters. AEU - International Journal of Electronics and Communications, 2020, 123, 153320.	1.7	2
29	Slow-Wave Effect Enhanced Substrate Integrated Waveguide with Multi-Antipodal Blind Via-Holes and Distributed Metal Strips. IEEE Microwave and Wireless Components Letters, 2020, 30, 753-756.	2.0	4
30	An Effective Mixed Extracting Method for Electromagnetic Parameters of Periodically Loaded Substrate Integrated Waveguide Units and Its Applications. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 543-554.	2.9	3
31	Exploiting Symmetries in the Variational Meshless Method for 3-D Inhomogeneous Cavities. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 432-440.	2.9	1
32	Microwave Components Realized by Additive Manufacturing Techniques. Radioengineering, 2020, 29, 1-9.	0.3	3
33	Accurate Modeling of Stubs Used as Resonant Coupling Elements in SIW Filters. IEEE Microwave and Wireless Components Letters, 2020, 30, 1125-1128.	2.0	9
34	Substrate Integrated Waveguide Filters with Stacked Cavities. , 2020, , .		1
35	Non-Uniform Polylines Enabled Slow-Wave Half-Mode Substrate Integrated Waveguide for Flexible Phase Shifting Application. , 2020, , .		0
36	Increasing Efficiency of Leaky-Wave Antenna by Using Substrate Integrated Slab Waveguide. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1596-1600.	2.4	18

#	ARTICLE	IF	CITATIONS
37	Partially Air-Filled Substrate Integrated Waveguide Filters With Full Control of Transmission Zeros. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3673-3682.	2.9	31
38	Achieving Spatial Multi-Point Focusing by Frequency Diversity Array. Electronics (Switzerland), 2019, 8, 883.	1.8	2
39	Band-pass filters based on periodic structures in SIW technology. AEU - International Journal of Electronics and Communications, 2019, 112, 152942.	1.7	12
40	Graphene nano platelets tuneable conducting properties for innovative microwave components. , 2019, , .		0
41	Miniaturized SIW Filters Based on Shielded Quarter-Mode Cavities. , 2019, , .		8
42	A New Class of Doublet Based on Slotted Slant Ridge in Additive Manufacturing Technology. , 2019, , .		5
43	A Review of Compact Substrate Integrated Waveguide (SIW) Interconnects and Components. , 2019, , .		11
44	Innovative Filters in Partially Air-Filled in Substrate Integrated Waveguide Technology. , 2019, , .		1
45	Miniaturized Evanescent Mode Substrate Integrated Waveguide Filter with Mixed-Coupled Folded Complementary Split-Ring Resonators. , 2019, , .		6
46	Mode Matching Analysis of Waveguide Components Exploiting the Variational Meshless Method. IEEE Microwave and Wireless Components Letters, 2019, 29, 631-633.	2.0	4
47	Transversely Compact Single-Ended and Balanced Bandpass Filters with Source-Load-Coupled Spurlines. Electronics (Switzerland), 2019, 8, 416.	1.8	7
48	The Ph.D. Student Sponsorship Initiative and Graduate Student Challenge. IEEE Microwave Magazine, 2019, 20, 59-60.	0.7	1
49	Towards mm-wave spectroscopy for dielectric characterization of breast surgical margins. Breast, 2019, 45, 64-69.	0.9	28
50	Design of Microwave-Based Angular Displacement Sensor. IEEE Microwave and Wireless Components Letters, 2019, 29, 306-308.	2.0	72
51	Evaluation of the Dispersion Diagram of Inhomogeneous Waveguides by the Variational Meshless Method. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2105-2113.	2.9	12
52	Integration of Antenna Array and Self-Switching Graphene Diode for Detection at 28 GHz. IEEE Electron Device Letters, 2019, 40, 628-631.	2.2	22
53	Different Strategies for the Additive Manufacturing of Slotted Slant Ridge Filtering Doublet. , 2019, , .		4
54	Analysis of Inhomogeneous Rectangular Cavities Using the Variational Meshless Method. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
55	Design of Tunable Substrate Integrated Waveguide Cavity Resonator under Slow-wave and Fast-wave Loading Conditions. , 2019, , .		0
56	Engineering the Resonant Cavities in Substrate Integrated Waveguide Technology. , 2019, , .		0
57	The Variational Meshless Method: an Overview of the Theory and Applications. , 2019, , .		0
58	Metallized Blind Via Holes and Surface Etching Incorporation for Miniaturization Enhancement in Slow-wave Substrate Integrated Waveguide. , 2019, , .		0
59	Compact Equal-Width Equal-Length Phase Shifter With Slow-Wave Half-Mode Substrate Integrated Waveguide for 5G Applications. IEEE Access, 2019, 7, 160595-160609.	2.6	5
60	Stacked Substrate Integrated Waveguide Filter with Air-Holed Cavities. , 2019, , .		1
61	Planar Microwave Bragg Reflector Resonant Dielectric Sensor. , 2019, , .		2
62	Tunable Phase Shifter Based on Few-Layer Graphene Flakes. IEEE Microwave and Wireless Components Letters, 2019, 29, 47-49.	2.0	33
63	A compact half-mode substrate integrated waveguide filter based on a circular resonator. , 2018, , .		3
64	The MTT-S Ph.D. Student Sponsorship Initiative and Graduate Student Challenge at Microwave Week 2018. IEEE Microwave Magazine, 2018, 19, 61-62.	0.7	0
65	Modeling of Inhomogeneous and Lossy Waveguide Components by the Segmentation Technique Combined With the Calculation of Green's Function by Ewald's Method. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 633-642.	2.9	8
66	Substrate-Integrated Waveguide Filters Based on Dual-Mode Air-Filled Resonant Cavities. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 726-736.	2.9	55
67	Circularly-polarised cavity-backed wearable antenna in SIW technology. IET Microwaves, Antennas and Propagation, 2018, 12, 127-131.	0.7	32
68	Microstrip-Ridge Gap Waveguide Filter Based on Cavity Resonators With Mushroom Inclusions. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 136-146.	2.9	18
69	Increasing the bandwidth of cavity-backed SIW antennas by using stacked cavities. International Journal of Microwave and Wireless Technologies, 2018, 10, 942-947.	1.5	6
70	Double-Sided SIW Leaky-Wave Antenna With Increased Directivity in the θ -Plane. IEEE Transactions on Antennas and Propagation, 2018, 66, 3130-3135.	3.1	17
71	Size-Reduced Evanescent Mode Substrate Integrated Waveguide Filter with Mixed-Coupled CSRRs. , 2018, , .		0
72	Miniaturized Substrate Integrated Components. , 2018, , .		0

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73	Generalized BI-RME Method Applied to the Analysis of Dielectric-Loaded Waveguide Components. , 2018, , .		1
74	Analysis of Inhomogeneous Rectangular Waveguides by the Variational Meshless Method. , 2018, , .		1
75	Analysis of Dielectric-Loaded Waveguide Filters by the Generalized BI-RME Method. , 2018, , .		0
76	A Technique for Spurious Suppression in Substrate Integrated Waveguide Filters. , 2018, , .		6
77	Dielectric properties of breast tissues: experimental results up to 50 GHz. , 2018, , .		31
78	Practical Design of a Band-Pass Filter using EBG SIW Technology. , 2018, , .		9
79	3D-Printed Microfluidic Sensor in Substrate Integrated Waveguide Technology. , 2018, , .		4
80	Special Section Proposal Tunable Devices for Modern Communications: Materials, Integration, Modeling, and Applications. IEEE Access, 2018, 6, 42368-42372.	2.6	0
81	Wideband isolation-improved substrate-integrated waveguide power dividers/combiners. International Journal of Microwave and Wireless Technologies, 2018, 10, 1019-1027.	1.5	2
82	Vector Formulation of the Meshless Variational Method for Inhomogeneous Rectangular Waveguides. , 2018, , .		2
83	Miniaturization and Quality-Factor in Substrate Integrated Waveguide Cavities. , 2018, , .		8
84	Cavity Resonator Filters in Shielded Quarter-Mode Substrate Integrated Waveguide Technology. , 2018, , .		8
85	An Investigation of Finite Width Slotline Open Circuits Comprised of Multiarm Short-Circuit Stubs. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5212-5220.	2.9	8
86	Correlation Between Dielectric Properties and Women Age for Breast Cancer Detection at 30 GHz. , 2018, , .		6
87	Enhanced Cavity Sensor in SIW Technology for Material Characterization. IEEE Microwave and Wireless Components Letters, 2018, 28, 948-950.	2.0	35
88	Half-mode SIW Filters with Resonant Couplings Implementing Transmission Zeros. , 2018, , .		9
89	Effective Extracting Method for Electromagnetic Parameters of Periodically Loaded Substrate Integrated Waveguide Units. , 2018, , .		1
90	Slow-Wave Half-Mode Substrate Integrated Waveguide 3-dB Wilkinson Power Divider/Combiner Incorporating Nonperiodic Patterning. IEEE Microwave and Wireless Components Letters, 2018, 28, 765-767.	2.0	23

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91	Analysis of a matched turnstile junction by the BI-RME method and the segmentation technique. , 2018, , .		0
92	Compact resonators in substrate integrated waveguide technology. , 2018, , .		14
93	A Novel Variational Meshless Method With Radial Basis Functions for Waveguide Eigenvalue Problems. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3714-3723.	2.9	19
94	Substrate-Integrated-Waveguide E-Plane 3-dB Power-Divider/Combiner Based on Resistive Layers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1498-1510.	2.9	25
95	3-D Printed Substrate Integrated Slab Waveguide for Single-Mode Bandwidth Enhancement. IEEE Microwave and Wireless Components Letters, 2017, 27, 536-538.	2.0	34
96	Study on the compromise between resolution and attenuation for breast imaging systems. , 2017, , .		1
97	Leaky-wave antenna in planar technology with high directivity in the transverse plane. , 2017, , .		3
98	Substrate Integrated Waveguide Filters Based on a Dielectric Layer With Periodic Perforations. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2687-2697.	2.9	43
99	Enhanced Tunable Microstrip Attenuator Based on Few Layer Graphene Flakes. IEEE Microwave and Wireless Components Letters, 2017, 27, 332-334.	2.0	68
100	On the Feasibility of Breast Cancer Imaging Systems at Millimeter-Waves Frequencies. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1795-1806.	2.9	84
101	Dielectric Properties Characterization From 0.5 to 50 GHz of Breast Cancer Tissues. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 998-1011.	2.9	172
102	An approach for the efficient optimization-oriented design of high-order 3-D filters. , 2017, , .		0
103	A Planar Antenna With Voltage-Controlled Frequency Tuning Based on Few-Layer Graphene. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2380-2383.	2.4	69
104	Modeling of perforated SIW structures and their application to the design of step-impedance microwave filters. , 2017, , .		5
105	Exposure limits and dielectric contrast for breast cancer tissues: Experimental results up to 50 GHz. , 2017, , .		5
106	A fast numerical technique for the determination of electrical properties of materials. , 2017, , .		1
107	A novel filter based on a dual-mode air-filled substrate integrated waveguide cavity resonator. , 2017, , .		8
108	Forward-wave 0 dB directional coupler based on microstrip-ridge gap waveguide technology. , 2017, , .		8

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109	High-resolution mm-wave imaging techniques and systems for breast cancer detection. , 2017, , .		14
110	An Improved Meshless Method for Waveguide Eigenvalue Problems. IEEE Microwave and Wireless Components Letters, 2017, 27, 1047-1049.	2.0	12
111	Additive manufacturing of microwave components: Different approaches and methodologies. , 2017, , .		3
112	Experimental validation of the dielectric permittivity of breast cancer tissues up to 50 GHz. , 2017, , .		9
113	A novel class of high dielectric resonator filters in microstrip line technology. , 2017, , .		6
114	Highly tunable and large bandwidth attenuator based on few-layer graphene. , 2017, , .		12
115	Material characterization through a full-wave approach based on the BI-RME method. , 2017, , .		0
116	Additive manufacturing of a chalk powder NRD 3-port junction via binder jetting technology. , 2017, , .		0
117	Dielectric characterization of material for 3D-printed breast phantoms up to 50 GHz: Preliminary experimental results. , 2017, , .		3
118	Tunable and input-matched attenuator based on few-layer graphene. , 2017, , .		13
119	3D-printed Chalk powder for microwave devices: Experimental results for a NRD-guide in Ku-band. , 2017, , .		4
120	A novel class of half-mode SIW filters with extracted poles. , 2017, , .		9
121	A dual-mode quasi-elliptic filter in air-filled substrate integrated waveguide technology. , 2017, , .		5
122	Extension of the BI-RME method to the analysis of piecewise-homogeneous waveguide components including arbitrarily shaped building blocks. , 2017, , .		2
123	3D printing and metalization methodology for high dielectric resonator waveguide microwave filters. , 2017, , .		6
124	Analysis of a perforated SIW structure with a rectangular air box and its application to the design of a step-impedance microwave filter. , 2017, , .		1
125	Substrate Integrated Waveguide Cavity Filters: Miniaturization and New Materials for IoT Applications. Radioengineering, 2017, 26, 633-641.	0.3	2
126	MM-Waves Modulated Gaussian Pulse Radar Breast Cancer Imaging Approach Based on Artificial Neural Network: Preliminary Assessment Study. , 2017, , .		1

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127	Compact filter solutions in substrate integrated waveguide (SIW) technology. , 2016, , .		3
128	Novel materials and fabrication technologies for SIW components for the Internet of Things. , 2016, , .		4
129	Quarter-Mode Cavity Filters in Substrate Integrated Waveguide Technology. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2538-2547.	2.9	131
130	A multi-array antenna system with optimal lattice for rectangular pyramidal scanning of space debris. , 2016, , .		3
131	Modeling of waveguide components by the BI-RME method with the Ewald Green's function and the segmentation technique. , 2016, , .		6
132	Spotlight on the MTT-S-Structure, Activities, Opportunities, and Goals [From the Guest Editors' Desk]. IEEE Microwave Magazine, 2016, 17, 58-91.	0.7	0
133	Innovative tunable microstrip attenuators based on few-layer graphene flakes. , 2016, , .		6
134	Modeling of inhomogeneous and lossy components by the BI-RME method and the segmentation technique. , 2016, , .		2
135	3D printed substrate integrated waveguide filters with locally controlled dielectric permittivity. , 2016, , .		12
136	Breast cancer imaging at mm-waves: Feasibility study on the safety exposure limits. , 2016, , .		4
137	Antenna coupling and self-interference cancellation bandwidth in SAW-less diversity receivers. , 2016, , .		5
138	A new class of SIW filters based on periodically perforated dielectric substrate. , 2016, , .		11
139	SIW cavity-backed slot (multi-)antenna systems for the next generation IoT applications. , 2016, , .		7
140	SIW components for the Internet of Things: Novel topologies, materials, and manufacturing techniques. , 2016, , .		12
141	Modeling and implementation of perforated SIW filters. , 2016, , .		9
142	Substrate-integrated waveguide filters based on mushroom-shaped resonators. International Journal of Microwave and Wireless Technologies, 2016, 8, 741-749.	1.5	19
143	Compact half-mode SIW cavity filters designed by exploiting resonant mode control. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 72-79.	0.8	25
144	Miniaturization of substrate integrated waveguide cavity filters. , 2016, , .		4

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145	A novel band-pass filter based on a periodically drilled SIW structure. Radio Science, 2016, 51, 328-336.	0.8	26
146	Novel compact quasi-elliptic SIW filter based on quarter-mode cavities. , 2016, , .		6
147	Characterization of 3D-printed dielectric substrates with different infill for microwave applications. , 2016, , .		27
148	Additive manufacturing of substrate integrated waveguide components. , 2016, , .		5
149	Application of the BI-RME method to the analysis of piecewise-homogeneous waveguide components. , 2016, , .		0
150	Innovative manufacturing approach for paper-based substrate integrated waveguide components and antennas. IET Microwaves, Antennas and Propagation, 2016, 10, 256-263.	0.7	20
151	Infill-Dependent 3-D-Printed Material Based on NinjaFlex Filament for Antenna Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1506-1509.	2.4	115
152	Textile substrate integrated waveguide technology for the next-generation wearable microwave systems. , 2016, , 289-335.		0
153	Innovative SIW components on paper, textile, and 3D-printed substrates for the Internet of Things. , 2015, , .		8
154	Efficient optimization-oriented design methodology of high-order 3D filters using 2D and 3D electromagnetic simulators. International Journal of Circuit Theory and Applications, 2015, 43, 1431-1445.	1.3	6
155	Applications of Graphene at Microwave Frequencies. Radioengineering, 2015, 24, 661-669.	0.3	82
156	Design formulas for radiation and crosstalk in substrate integrated waveguides. , 2015, , .		0
157	Half-mode versus folded SIW filters: Modeling and design. , 2015, , .		9
158	RF characterization of 3D printed flexible materials - NinjaFlex Filaments. , 2015, , .		30
159	Exploiting 3D printed substrate for microfluidic SIW sensor. , 2015, , .		16
160	Quasi-elliptic SIW band-pass filter based on mushroom-shaped resonators. , 2015, , .		8
161	Compact substrate integrated waveguide (SIW) components on paper substrate. , 2015, , .		8
162	GRETA approach towards new green material technologies. , 2015, , .		1

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163	E-plane 3-dB power divider/combiner in substrate integrated waveguide technology. , 2015, , .		2
164	Novel substrate integrated waveguide filter based on mushroom resonators. , 2015, , .		3
165	Textile Microwave Components in Substrate Integrated Waveguide Technology. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 422-432.	2.9	106
166	Crosstalk in Substrate Integrated Waveguides. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 80-86.	1.4	22
167	The Sardinia Radio Telescope Upgrade to Telemetry, Tracking and Command: Beam Squint and Electromagnetic Compatibility Design. IEEE Antennas and Propagation Magazine, 2015, 57, 177-191.	1.2	3
168	Substrate Integrated Folded Waveguide Filter with Out-of-Band Rejection Controlled by Resonant-Mode Suppression. IEEE Microwave and Wireless Components Letters, 2015, 25, 214-216.	2.0	65
169	Guest Editorial [Mini-Special Issue on 2014 IEEE International Conference on Numerical Electromagnetic Modeling and Optimization for RF, Microwave, and Terahertz Applications		

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181	Full-wave analysis and equivalent circuit modeling of substrate integrated waveguide (SIW) circuits. , 2014, , .		3
182	On the use of electrostatically doped graphene: Analysis of microwave attenuators. , 2014, , .		17
183	Perturbation modeling of high-loss waveguide components by the BI-RME method. , 2014, , .		0
184	Chipless RFID for space applications. , 2014, , .		16
185	Cryogenic dual-temperature low noise amplifier in <i>K</i> band. IET Microwaves, Antennas and Propagation, 2014, 8, 642-648.	0.7	3
186	Robust, wearable, on-body antenna relying on half mode substrate integrated waveguide techniques. , 2014, , .		2
187	Microwave applications of graphene for tunable devices. , 2014, , .		9
188	The BI-RME method: An historical overview. , 2014, , .		8
189	The next generation textile antennas based on substrate integrated waveguide technology. , 2014, , .		3
190	A novel multilayered SIW filter with two mono-modal cavities and three poles. , 2014, , .		1
191	Innovative technique for substrate integrated waveguide implementation on paper substrate. , 2014, , .		3
192	MoM/BI-RME method for the modeling of frequency selective surfaces and printed circuits. , 2014, , .		1
193	Analysis, design, and sensitivity study of substrate integrated waveguide circuits by using equivalent circuit models. , 2014, , .		2
194	Graphene-based electronically tunable microstrip attenuator. , 2014, , .		21
195	Analysis of lossy waveguide circuits by the BI-RME method and a perturbation technique. , 2014, , .		0
196	Advanced modeling and design of substrate integrated waveguide components. , 2014, , .		5
197	A Formula for Radiation Loss in Substrate Integrated Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2205-2213.	2.9	28
198	SIW components and antennas based on eco-friendly materials and technologies: State-of-the-art and future applications. , 2014, , .		2

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199	Graphene-Based Electronically Tuneable Microstrip Attenuator. <i>Nanomaterials and Nanotechnology</i> , 2014, 4, 18.	1.2	19
200	Inkjet-printed paper-based substrate-integrated waveguide (SIW) components and antennas. <i>International Journal of Microwave and Wireless Technologies</i> , 2013, 5, 197-204.	1.5	22
201	Accurate Modeling of Dichroic Mirrors in Beam-Waveguide Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 1931-1938.	3.1	22
202	Efficient modeling of complex substrate integrated waveguide (SIW) circuits. , 2013, , .		0
203	Inkjet-printed antennas, sensors and circuits on paper substrate. <i>IET Microwaves, Antennas and Propagation</i> , 2013, 7, 858-868.	0.7	100
204	Multiphysics design and experimental verification of a quad-band dichroic mirror for deep space ground stations. <i>IET Microwaves, Antennas and Propagation</i> , 2013, 7, 391-398.	0.7	7
205	Radiation losses in Substrate Integrated Waveguides: A semi-analytical approach for a quantitative determination. , 2013, , .		11
206	Modeling of periodic and quasi-periodic structures by the MoM/BI-RME method. , 2013, , .		1
207	A mm-Wave 2D Ultra-Wideband Imaging Radar for Breast Cancer Detection. <i>International Journal of Antennas and Propagation</i> , 2013, 2013, 1-8.	0.7	16
208	Efficiency of arrays composed of high-gain reflector antennas. <i>IET Microwaves, Antennas and Propagation</i> , 2012, 6, 1636-1642.	0.7	4
209	Physical-based broadband modeling of printed periodic structures by the MoM/BI-RME method. , 2012, , .		0
210	Synthesis and analysis of the Sardinia Radio Telescope BWG system for TT&C capabilities using a Gaussian Beam approach. , 2012, , .		2
211	Novel inkjet-printed substrate integrated waveguide (SIW) structures on low-cost materials for wearable applications. , 2012, , .		21
212	Numerical modeling and design of Substrate Integrated Waveguide (SIW) components. , 2012, , .		3
213	A 927 MHz solar powered active antenna oscillator beacon signal generator. , 2012, , .		5
214	Future Architectures for European Space Agency Deep-Space Ground Stations [Antenna Applications Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2012, 54, 254-263.	1.2	21
215	Active substrate integrated waveguide (SIW) antenna with phase-shifterless beam-scanning capabilities. , 2012, , .		9
216	Wearable textile antenna in substrate integrated waveguide technology. <i>Electronics Letters</i> , 2012, 48, 985-987.	0.5	128

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217	A Compact, Single-Layer Substrate Integrated Waveguide (SIW) Cavity-Backed Active Antenna Oscillator. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 431-433.	2.4	35
218	Substrate integrated waveguide (SIW) technology: New research trends for low-cost and eco-friendly wireless systems. , 2012, , .		3
219	Substrate integrated waveguide (SIW): An emerging technology for wireless systems. , 2012, , .		15
220	Plastic-based Substrate Integrated Waveguide (SIW) components and antennas. , 2012, , .		19
221	Beam squint compensation technique for the Sardinia Radio Telescope. , 2012, , .		0
222	Low-cost dichroic mirrors for future Deep Space ground stations. <i>International Journal of Microwave and Wireless Technologies</i> , 2011, 3, 595-600.	1.5	1
223	A study of a reflectarray topology based on coupled oscillator arrays using Substrate Integrated Waveguide technology. , 2011, , .		3
224	A tolerance study on 30 GHz planar filters based on Substrate Integrated Waveguide technology. , 2011, , .		4
225	Substrate integrated waveguide predistorted filter at 20 GHz. <i>IET Microwaves, Antennas and Propagation</i> , 2011, 5, 928.	0.7	8
226	Review of substrate-integrated waveguide circuits and antennas. <i>IET Microwaves, Antennas and Propagation</i> , 2011, 5, 909.	0.7	1,048
227	Editorial: RF/Microwave Communication Subsystems for Emerging Wireless Technologies. <i>IET Microwaves, Antennas and Propagation</i> , 2011, 5, 861.	0.7	1
228	Multi-physics design and manufacturing of a quad-band frequency selective surface for space applications. , 2011, , .		0
229	Fixed ground stations for multi-satellite geostationary missions. <i>International Journal of Microwave and Wireless Technologies</i> , 2011, 3, 601-607.	1.5	2
230	Broadband and compact ridge substrate-integrated waveguides. <i>IET Microwaves, Antennas and Propagation</i> , 2010, 4, 1965.	0.7	68
231	Convergence properties of the method of moments in the modeling of frequency selective surfaces. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2010, 20, 220-229.	0.8	2
232	Efficient design of SIW filters by using equivalent circuit models and calibrated space-mapping optimization. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2010, 20, 689-698.	0.8	16
233	Pointing enhancement techniques for deep-space antennas. <i>International Journal of Microwave and Wireless Technologies</i> , 2010, 2, 211-218.	1.5	2
234	Modeling of printed periodic structures with thick metal patches by the MoM/BI-RME method. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
235	Tunable SIW cavity backed active antenna oscillator. Electronics Letters, 2010, 46, 1053.	0.5	69
236	Polarization Rotating Frequency Selective Surface Based on Substrate Integrated Waveguide Technology. IEEE Transactions on Antennas and Propagation, 2010, 58, 1202-1213.	3.1	134
237	An X band, compact active cavity backed patch oscillator antenna using a substrate integrated waveguide (SIW) resonator. , 2010, , .		3
238	On the losses in substrate-integrated waveguides and cavities. International Journal of Microwave and Wireless Technologies, 2009, 1, 395-401.	1.5	57
239	A novel technique for the direct determination of multimode equivalent circuit models for substrate integrated waveguide discontinuities. International Journal of RF and Microwave Computer-Aided Engineering, 2009, 19, 423-433.	0.8	17
240	Novel compact and broadband interconnects based on ridge substrate integrated waveguide. , 2009, , .		6
241	MoM/BI-RME modeling of frequency selective surfaces with thick metal patches. , 2009, , .		3
242	Concept of Virtual Electric/Magnetic Walls and its Realization With Artificial Magnetic Conductor Technique. IEEE Microwave and Wireless Components Letters, 2008, 18, 743-745.	2.0	13
243	Modeling of losses in substrate integrated waveguide by Boundary Integral-Resonant Mode Expansion method. , 2008, , .		19
244	G.P.14.15 Evaluating the role of the dystroglycan $\hat{\mu}/\hat{\sigma}^2$ interface in human muscular dystrophies. Neuromuscular Disorders, 2008, 18, 819-820.	0.3	0
245	New-Wave Radio. IEEE Microwave Magazine, 2008, 9, 89-100.	0.7	33
246	Modeling of Conductor, Dielectric, and Radiation Losses in Substrate Integrated Waveguide by the Boundary Integral-Resonant Mode Expansion Method. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 3153-3161.	2.9	145
247	Investigation of the Convergence Properties of the Method of Moments in the Modeling of Capacitive Frequency Selective Surfaces. , 2008, , .		1
248	Convergence properties of the method of moments with entire-domain and sub-domain basis functions in the modeling of Frequency Selective Surfaces. , 2008, , .		2
249	Modeling of Radiation, Conductor, and Dielectric Losses in SIW Components by the BI-RME Method. , 2008, , .		8
250	Feasibility study of the upgrade to K band of ESA Deep Space Antennas. , 2008, , .		1
251	Preliminary beam-waveguide design of the novel ESA deep-space antenna DSA3. , 2007, , .		0
252	A Novel Technique for Beam-Aberration Correction and Fast Conical Scan in Deep-Space Antennas. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
253	A novel technique for high-performance correction of beam aberration in Deep Space Antennas. , 2007, , .		0
254	Design of K-band inductive dichroic mirrors for upgrading ESA deep-space antenna DSA2. , 2007, , .		3
255	A Novel Technique for High-Performance Correction of Beam Aberration in Deep Space Antennas. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 376-378.	2.4	5
256	Design of a large bandwidth planar antenna using inductive frequency selective surfaces. , 2007, , .		3
257	C.P.3.10 Analysing the role of the \hat{I}_{\pm}/\hat{I}^2 -dystroglycan interface for skeletal muscle stability. Neuromuscular Disorders, 2007, 17, 872.	0.3	0
258	Development of Microwave and Millimeter-Wave Traveling-Wave Electro-Optical Devices Using Substrate Integrated Circuit Concept. , 2007, , .		7
259	On the losses in substrate integrated waveguides. , 2007, , .		34
260	Convergence properties of the MoM/BI-RME method in the modeling of frequency selective surfaces. , 2007, , .		4
261	A new six-port circuit architecture using only power dividers/combiners. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	9
262	Numerical Simulation of Frequency Selective Surfaces Perforated with Arbitrarily Shaped Apertures. , 2007, , .		3
263	Modeling and Design Considerations for Substrate Integrated Waveguide Circuits and Components. , 2007, , .		43
264	Analysis of inductive frequency selective surfaces by the method of moments with entire-domain basis functions. Microwave and Optical Technology Letters, 2007, 49, 2929-2932.	0.9	0
265	Design and Testing of Frequency-Selective Surfaces on Silicon Substrates for Submillimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2006, 54, 2638-2645.	3.1	40
266	Direct Determination of Multi-mode Equivalent Circuit Models for Discontinuities in Substrate Integrated Waveguide Technology. , 2006, , .		10
267	Analysis of NRD components via the order-reduced volume-integral-equation method combined with the tracking of the matrix eigenvalues. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 339-347.	2.9	2
268	Determination of the mode spectrum of arbitrarily shaped waveguides using the eigenvalue-tracking method. Microwave and Optical Technology Letters, 2006, 48, 553-556.	0.9	2
269	On the performance of dichroic mirrors with hexagonal holes. Microwave and Optical Technology Letters, 2006, 48, 1858-1862.	0.9	0
270	Accurate Modeling of the Interaction between Feeds and Dichroic Mirrors. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
271	Design of Dichroic Mirrors for Space Applications by the MoM/BI-RME Method: from Planar to Curved Structures. , 2006, , .		0
272	A Novel Substrate Integrated Coaxial Line (SICL) for Wide-Band Applications. , 2006, , .		157
273	Accurate modeling of frequency selective surfaces illuminated by a non-uniform incident field. , 2006, , .		0
274	Efficient analysis and experimental verification of substrate-integrated slab waveguides for wideband microwave applications. International Journal of RF and Microwave Computer-Aided Engineering, 2005, 15, 296-306.	0.8	38
275	Design and testing of frequency selective surfaces on thick silicon substrate operating at 600 GHz. , 2005, , .		4
276	Efficient calculation of the dispersion diagram of planar electromagnetic band-gap structures by the MoM/BI-RME method. IEEE Transactions on Antennas and Propagation, 2005, 53, 29-35.	3.1	40
277	Low-loss quasi-optical filters with thick silicon substrates for sub-mm wave frequency multipliers. , 2005, , .		1
278	Solution of homogeneous electromagnetic problems via the tracking of the matrix eigenvalues: application to the analysis of NRD components. , 2005, , .		1
279	Electrical analysis of NRD components by a novel eigenvalue-tracking technique. , 2005, , .		0
280	A novel approach for the design of dichroic mirrors for deep space antennas. , 2005, , .		0
281	An interpolation/perturbation approach for the modeling of reflectarray elements. , 2004, , .		0
282	Full-wave characterization of planar EBG structures by the MoM/BI-RME method. , 2004, , .		2
283	Fast optimization, tolerance analysis, and yield estimation of H/E-plane waveguide components with irregular shapes. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 319-328.	2.9	16
284	A figure of merit for losses in printed reflectarray elements. IEEE Antennas and Wireless Propagation Letters, 2004, 3, 257-260.	2.4	33
285	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.	0.8	6
286	A Compact, Wideband, Phase-Equalized Waveguide Divider/Combiner for Power Amplification. , 2003, , .		3
287	Deep-space antenna for rosetta mission: design and testing of the S/X band dichroic mirror. IEEE Transactions on Antennas and Propagation, 2003, 51, 388-394.	3.1	38
288	Analysis and design of periodic structures by the MoM/BI-RME method. , 2003, , .		0

#	ARTICLE	IF	CITATIONS
289	Performance comparison of different element shapes used in printed reflectarrays. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 219-222.	2.4	81
290	Analysis of multilayered printed frequency selective surfaces by the MoM/BI-RME method. IEEE Transactions on Antennas and Propagation, 2003, 51, 2830-2836.	3.1	54
291	Efficient Analysis of Printed Circuits by the MoM/BI-RME Method. , 2003, , .		0
292	Contributions to the Analysis and Design of All-Inductive Filters with Dielectric Resonators. , 2003, , .		7
293	Analysis and Performance Comparison of Printed Reflectarrays. , 2003, , .		1
294	Analysis and performance comparison of printed reflectarrays. , 2003, , .		1
295	Contributions to the analysis and design of all-inductive filters with dielectric resonators. , 2003, , .		2
296	Design, Fabrication, and Measurement of Dichroic Plates for Deep Space Antennas. , 2002, , .		2
297	Analysis of H-Plane Waveguide Components with Dielectric Obstacles by the BI-RME Method. , 2002, , .		5
298	Analysis of Frequency Selective Surfaces by the BI-RME Method Combined with an Integral Equation Formulation. , 2002, , .		0
299	Automatic design of inductive FSSs using the genetic algorithm and the MoM/BI-RME analysis. IEEE Antennas and Wireless Propagation Letters, 2002, 1, 91-93.	2.4	8
300	On the evaluation of modal coupling coefficients by contour integrals. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1853-1855.	2.9	23
301	Frequency/time-domain modelling of 3D waveguide structures by a BI-RME approach. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2002, 15, 3-21.	1.2	39
302	Unfolding and inactivation of monomeric superoxide dismutase from E. coli by SDS. International Journal of Biological Macromolecules, 2001, 29, 99-105.	3.6	8
303	Spectroscopic and molecular dynamics simulation studies of the interaction of insulin with glucose. International Journal of Biological Macromolecules, 2001, 29, 161-168.	3.6	19
304	Analysis of Multigrid Frequency Selective Surfaces by the MoM/BI-RME Method and the Segmentation Technique. , 2001, , .		1
305	Efficient analysis of quasi-optical filters by a hybrid MoM/BI-RME method. IEEE Transactions on Antennas and Propagation, 2001, 49, 1054-1064.	3.1	83
306	Analysis and optimization of millimeter-wave frequency multipliers by a hybrid genetic algorithm/harmonic balance technique. Microwave and Optical Technology Letters, 2001, 28, 268-271.	0.9	2

#	ARTICLE	IF	CITATIONS
307	Characterization of Heterostructure-Barrier-Varactors for Frequency Multiplication. Journal of Infrared, Millimeter and Terahertz Waves, 2001, 22, 429-438.	0.6	1
308	MoM/BI-RME analysis of boxed MMICs with arbitrarily shaped metallizations. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 2227-2234.	2.9	26
309	<title>Frequency selective surfaces in the gigahertz and terahertz region: analysis and experimental results</title>. , 2000, , .		2
310	A novel CAD tool for the wideband modeling of 3D waveguide components. International Journal of RF and Microwave Computer-Aided Engineering, 2000, 10, 183-189.	0.8	12
311	Array Modeling for MM-Wave Active Integrated Antennas. Journal of Infrared, Millimeter and Terahertz Waves, 2000, 21, 563-575.	0.6	0
312	Investigation of the active site of Escherichia coli Cu,Zn superoxide dismutase reveals the absence of the copper-coordinated water molecule. Is the water molecule really necessary for the enzymatic mechanism?. FEBS Letters, 2000, 483, 21-26.	1.3	6
313	Design, fabrication, and measurement of frequency-selective surfaces. Optical Engineering, 2000, 39, 2263.	0.5	26
314	Electrical and Mechanical Performance of a S/X/Ka-Band Dichroic Mirror. , 2000, , .		2
315	Design and Optimization of Quasi-Optical Frequency Multipliers. Journal of Infrared, Millimeter and Terahertz Waves, 1999, 20, 913-928.	0.6	4
316	Efficient analysis of thin conductive screens perforated periodically with arbitrarily shaped apertures. Electronics Letters, 1999, 35, 1085.	0.5	26
317	Analysis of frequency selective surfaces for quasi-optical applications. , 1999, 3795, 322.		1
318	Numerical modeling of quasi-optical frequency multipliers. , 1998, 3465, 10.		0
319	A Novel Non-heme Iron-binding Ferritin Related to the DNA-binding Proteins of the Dps Family in Listeria innocua. Journal of Biological Chemistry, 1997, 272, 3259-3265.	1.6	204
320	A 300 GHz quasioptical schottky frequency doubler. Journal of Infrared, Millimeter and Terahertz Waves, 1997, 18, 2277-2293.	0.6	6
321	Correlazioni neuroradiologiche-neuropatologiche. The Neuroradiology Journal, 1995, 8, 401-414.	0.1	0
322	Verrucous Hemangioma and Angiokeratoma Circumscriptum: Clinical and Histologic Differential Characteristics. The Journal of Dermatologic Surgery and Oncology, 1989, 15, 88-91.	0.8	38
323	A Suppressor T-Cell Line Specific for the Nicotinic Cholinergic Receptor. Annals of the New York Academy of Sciences, 1987, 505, 639-654.	1.8	0
324	Characterization of Central Nicotinic Receptors. Annals of the New York Academy of Sciences, 1987, 505, 764-766.	1.8	3

#	ARTICLE	IF	CITATIONS
325	CHANGES IN SYMPATHETIC ACTIVITY DURING HIGH FREQUENCY T.E.N.S.. Acupuncture and Electro-Therapeutics Research, 1985, 10, 169-175.	0.0	14
326	Analysis of uniplanar electromagnetic band-gap (EBG) structures by the MoM/BI-RME method. , 0, , .		1
327	Accurate modelling of quasi-optical frequency multipliers excited by a Gaussian beam. , 0, , .		2
328	An approach towards understanding an open-structure frequency-doubler. , 0, , .		0
329	Generalized Y-matrix of arbitrary 3D waveguide junctions by the BI-RME method. , 0, , .		3
330	Analysis of mm-wave nonlinear circuits by combining genetic algorithm and harmonic balance technique. , 0, , .		2
331	Analysis of FSS with multiple, arbitrarily shaped elements within a periodic cell. , 0, , .		2
332	Characterization of heterostructure barrier varactors for 255 GHz tripling operation. , 0, , .		0
333	Deep space antenna for Rosetta mission: design of the S/X band dichroic mirror and analysis of the beam waveguide. , 0, , .		0
334	Efficient analysis of FSSs with arbitrarily shaped patches by the MoM/BI-RME method. , 0, , .		1
335	MoM/BI-RME analysis of boxed microwave circuits based on arbitrarily shaped elements. , 0, , .		1
336	Efficient analysis of waveguide filters by the integral equation technique and the BI-RME method. , 0, , .		0
337	Analysis of multi-grid and stepped-waveguide FSS by the segmentation technique and the MoM/BI-RME method. , 0, , .		3
338	Performance comparison of different element shapes used in printed reflectarrays. , 0, , .		7
339	A compact, wideband, phase-equalized waveguide divider/combiner for power amplification. , 0, , .		4
340	Substrate integrated slab waveguide (SISW) for wideband microwave applications. , 0, , .		19
341	Analysis of Substrate Integrated Slab Waveguides (SISW) by the BI-RME method. , 0, , .		3
342	Element shape optimization of planar periodic structures. , 0, , .		0

#	ARTICLE	IF	CITATIONS
343	Determination by the BI-RME method of entire-domain basis functions for the analysis of microstrip circuits. , 0, , .		2
344	Efficient analysis of printed circuits by the MoM/BI-RME method. , 0, , .		0
345	A Novel Approach for the Design of Dichroic Mirrors for Deep Space Antennas. , 0, , .		4
346	Low-Loss Frequency Selective Surfaces on Silicon Substrates for Sub-millimeter Wave Applications. , 0, , .		0
347	S/X/Ka-band Dichroic Mirrors for Deep-Space Antennas. , 0, , .		1
348	A New Wide-Band Six-Port Junction Based on Substrate Integrated Coaxial Line (SICL) Technology. , 0, , .		9
349	Compact SIW filters with transmission zeros: A review and current trends. International Journal of Microwave and Wireless Technologies, 0, , 1-9.	1.5	2
350	Periodic Structures. , 0, , .		1
351	Novel Filtering Applications in Substrate-Integrated Waveguide Technology. , 0, , .		0