

Jens Bornemann

List of Publications by Year in descending order

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190
papers

3,552
citations

159585

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182427

51
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190
all docs

190
docs citations

190
times ranked

2359
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive synthesis and design of resonator filters with source/load-multiresonator coupling. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1969-1978.	4.6	240
2	Coupling-Matrix Design of Dual and Triple Passband Filters. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3940-3946.	4.6	185
3	Design of a Reconfigurable MIMO System for THz Communications Based on Graphene Antennas. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 609-617.	3.1	159
4	Short-Term Operation Scheduling in Renewable-Powered Microgrids: A Duality-Based Approach. IEEE Transactions on Sustainable Energy, 2014, 5, 209-217.	8.8	128
5	Singlets, cascaded singlets, and the nonresonating node model for advanced modular design of elliptic filters. IEEE Microwave and Wireless Components Letters, 2004, 14, 237-239.	3.2	118
6	Ridge waveguide polarizer with finite and stepped-thickness septum. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 1782-1787.	4.6	113
7	Optimized Waveguide E-plane Metal Insert Filters For Millimeter-wave Applications. IEEE Transactions on Microwave Theory and Techniques, 1983, 31, 65-69.	4.6	105
8	Designing the Width of Substrate Integrated Waveguide Structures. IEEE Microwave and Wireless Components Letters, 2013, 23, 518-520.	3.2	104
9	Low-Cost and High-Efficient W-Band Substrate Integrated Waveguide Antenna Array Made of Printed Circuit Board Process. IEEE Transactions on Antennas and Propagation, 2012, 60, 1648-1653.	5.1	95
10	New Wideband Transition From Microstrip Line to Substrate Integrated Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2983-2989.	4.6	88
11	Inline TM/sub 110/-mode filters with high-design flexibility by utilizing bypass couplings of nonresonating TE/sub 10/01 modes. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 1735-1742.	4.6	86
12	Broadband CPW Feed for Millimeter-Wave SIW-Based Antipodal Linearly Tapered Slot Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 1756-1762.	5.1	70
13	Theory and Design of Low-Insertion Loss Fin-Line Filters. IEEE Transactions on Microwave Theory and Techniques, 1982, 30, 155-163.	4.6	57
14	Service Restoration for a Renewable-Powered Microgrid in Unscheduled Island Mode. IEEE Transactions on Smart Grid, 2015, 6, 1128-1136.	9.0	57
15	Modal-S-Matrix Design of Optimum Stepped Ridged and Finned Waveguide Transformers. IEEE Transactions on Microwave Theory and Techniques, 1987, 35, 561-567.	4.6	55
16	Substrate Integrated Waveguide Triple-Passband Dual-Stopband Filter Using Six Cascaded Singlets. IEEE Microwave and Wireless Components Letters, 2014, 24, 439-441.	3.2	50
17	Transverse resonance, standing wave, and resonator formulations of the ridge waveguide eigenvalue problem and its application to the design of E-plane finned waveguide filters. IEEE Transactions on Microwave Theory and Techniques, 1990, 38, 1104-1113.	4.6	49
18	Spectral Efficiency of Carbon Nanotube Antenna Based MIMO Systems in the Terahertz Band. IEEE Wireless Communications Letters, 2013, 2, 631-634.	5.0	49

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19	Spectrum of corrugated and periodically loaded waveguides from classical matrix eigenvalues. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 453-460.	4.6	47
20	Design of multiple-stopband filters for interference suppression in UWB applications. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3333-3338.	4.6	46
21	A Modified Mode-Matching Technique and its Application to a Class of Quasi-Planar Transmission Lines. IEEE Transactions on Microwave Theory and Techniques, 1985, 33, 916-926.	4.6	44
22	A Novel Frequency-Selective Power Combiner/Divider in Single-Layer Substrate Integrated Waveguide Technology. IEEE Microwave and Wireless Components Letters, 2013, 23, 406-408.	3.2	43
23	Wideband Circularly Polarized Substrate Integrated Waveguide Endfire Antenna System With High Gain. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2262-2265.	4.0	43
24	Generalized spectral-domain analysis for multilayered complex media and high-T/sub c/ superconductor applications. IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 2251-2257.	4.6	38
25	Analysis and design of circular ridged waveguide components. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 330-335.	4.6	38
26	Novel Tunable Bandstop Resonators in SIW Technology and Their Application to a Dual-Bandstop Filter with One Tunable Stopband. IEEE Microwave and Wireless Components Letters, 2017, 27, 40-42.	3.2	36
27	Application of a coupled-integral-equations technique to ridged waveguides. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 2256-2264.	4.6	35
28	Accurate analysis of scattering from multiple waveguide discontinuities using the coupled-integral equations technique. Journal of Electromagnetic Waves and Applications, 1996, 10, 1623-1644.	1.6	35
29	Substrate Integrated Waveguide Horn Antenna on Thin Substrate With Back-Lobe Suppression and Its Application to Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2622-2625.	4.0	35
30	Field Theory Design of Ferrite-Loaded Waveguide Nonreciprocal Phase Shifters with Multisection Ferrite Or Dielectric Slab Impedance Transformers. IEEE Transactions on Microwave Theory and Techniques, 1987, 35, 552-560.	4.6	34
31	Compact Multi-Port Power Combination/Distribution With Inherent Bandpass Filter Characteristics. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2659-2672.	4.6	34
32	Design of reconfigurable frequency-selective surfaces including the PIN diode threshold region. IET Microwaves, Antennas and Propagation, 2018, 12, 1483-1486.	1.4	34
33	Analysis of ridged circular waveguides by the coupled-integral-equations technique. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 479-493.	4.6	32
34	Substrate-integrated waveguide transitions to planar transmission-line technologies. , 2012, , .		32
35	Calculating the Characteristic Impedance of Finlines by Transverse Resonance Method. IEEE Transactions on Microwave Theory and Techniques, 1986, 34, 85-92.	4.6	31
36	Design of Multisection Impedance-Matched Dielectric-Slab Filled Waveguide Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 1984, 32, 34-39.	4.6	30

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37	Directional Ultra-Wideband Antennas in Planar Technologies. , 2008, , .		27
38	Vortex electron energy loss spectroscopy for near-field mapping of magnetic plasmons. Optics Express, 2012, 20, 15024.	3.4	27
39	Simplified analysis technique for the initial design of LTCC filters with all-capacitive coupling. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 1787-1791.	4.6	26
40	Multiple tuning of birdcage resonators. Magnetic Resonance in Medicine, 1997, 37, 243-251.	3.0	25
41	Characterization of a class of waveguide discontinuities using a modified TE/sub mn//sup x/ mode approach. IEEE Transactions on Microwave Theory and Techniques, 1990, 38, 1816-1822.	4.6	24
42	Compact Coplanar Waveguide Spiral Antenna With Circular Polarization for Wideband Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 666-669.	4.0	24
43	Fast and accurate analysis of waveguide filters by the coupled-integral-equations technique. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1611-1618.	4.6	22
44	Folded Compact Ultra-Wideband Stepped-Impedance Resonator Filters. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	22
45	W-Band Low-Insertion-Loss E-Plane Filter (Short Paper). IEEE Transactions on Microwave Theory and Techniques, 1984, 32, 133-135.	4.6	19
46	Mode-matching design of substrate-integrated waveguide couplers. , 2012, , .		19
47	A Low-RCS, High-GBP Fabryâ€“Perot Antenna With Embedded Chessboard Polarization Conversion Metasurface. IEEE Access, 2020, 8, 80183-80194.	4.2	18
48	New Reduced-Size Step-Impedance Dual-Band Filters with Enhanced Bandwidth and Stopband Performance. , 2006, , .		17
49	Substrate integrated waveguide diplexer with dual-mode junction cavity. , 2015, , .		17
50	CAD of T-septum waveguide evanescent-mode filters. IEEE Transactions on Microwave Theory and Techniques, 1993, 41, 731-733.	4.6	16
51	A Compact and Broadband 90-Degree Waveguide Twist Transformer for Integrated Waveguide Subsystems. , 2001, , .		16
52	E-plane directional couplers in substrate-integrated waveguide technology. , 2008, , .		16
53	Mode Matching design of substrate integrated waveguide diplexers. , 2013, , .		16
54	Mode-Matching Design of Substrate Mounted Waveguide (SMW) Components. IEEE Transactions on Microwave Theory and Techniques, 2016, , 1-8.	4.6	16

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55	3-D-Printing and High-Precision Milling of W-Band Filter Components With Admittance Inverter Sequences. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 2140-2147.	2.5	16
56	Waveguide E-plane integrated-circuit diplexer. Electronics Letters, 1985, 21, 615.	1.0	15
57	Comparison between different formulations of the transverse resonance field-matching technique for the three-dimensional analysis of metal-finned waveguide resonators. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1991, 4, 63-73.	1.9	15
58	Using selective asymptotics to accelerate dispersion analysis of microstrip lines. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 1024-1027.	4.6	15
59	Compact single-channel rotary joint using ridged waveguide sections for phase adjustment. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 1982-1986.	4.6	15
60	Coupling-Matrix Design of Dual/Triple-Band Uni-Planar Filters. , 2006, , .		15
61	Broadband coplanar waveguide and microstrip low noise amplifier hybrid integrations for K band substrate integrated waveguide applications on low permittivity substrate. IET Microwaves, Antennas and Propagation, 2014, 8, 99-103.	1.4	15
62	A differential fed Yagi Uda antenna with enhanced bandwidth via addition of parasitic resonator. Microwave and Optical Technology Letters, 2017, 59, 156-159.	1.4	15
63	Field-Based Waveguide Filter Synthesis in the Time Domain. AEU - International Journal of Electronics and Communications, 2003, 57, 119-127.	2.9	14
64	Substrate integrated waveguide circularly polarized horn dipole antenna with improved gain. Microwave and Optical Technology Letters, 2016, 58, 2973-2977.	1.4	14
65	Singular value decomposition improves accuracy and reliability of septum waveguide field matching analysis. The International Executive, 1992, 2, 82-89.	0.1	12
66	K band backward diplexer in substrate integrated waveguide technology. Electronics Letters, 2015, 51, 1428-1429.	1.0	12
67	Enhancing cross polarisation discrimination or axial ratio beamwidth of diagonally dual or circularly polarised base station antennas by using vertical parasitic elements. IET Microwaves, Antennas and Propagation, 2017, 11, 1190-1196.	1.4	12
68	Antipodal Vivaldi Antenna Arrays Fed by Substrate Integrated Waveguide Right-Angled Power Dividers. Applied Sciences (Switzerland), 2018, 8, 2625.	2.5	12
69	Advanced Stepped-Impedance Dual-Band Filters With Wide Second Stopbands. , 2007, , .		11
70	Linear tapered slot antenna with substrate integrated waveguide feed. , 2007, , .		11
71	Mode matching analysis and design of substrate integrated waveguide T junction diplexer and corner filter. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2015, 28, 497-507.	1.9	11
72	A Mode-matching Approach for the Analysis and Design of Substrate-integrated Waveguide Components. Frequenz, 2011, 65, .	0.9	10

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73	Substrate integrated waveguide bandstop filter using partial-height via-hole resonators in thick substrate. IET Microwaves, Antennas and Propagation, 2015, 9, 1307-1312.	1.4	10
74	Circularly Polarized Substrate Integrated Waveguide Antenna With Wide Axial-Ratio Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 266-269.	4.0	10
75	Low-Insertion-Loss Fin-Line Filters for Millimetre-Wave Applications. , 1981, , .		9
76	Absorbing boundary conditions in the frequency-domain TLM method and their application to planar circuits. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1469-1476.	4.6	9
77	Dual-band stepped-impedance filters for ultra-wideband applications. , 2007, , .		9
78	Return-loss investigation of the equivalent width of substrate-integrated waveguide circuits. , 2011, , .		9
79	Reconfigurable Feedback Shift Register Based Stream Cipher for Wireless Sensor Networks. IEEE Wireless Communications Letters, 2013, 2, 559-562.	5.0	9
80	Substrate-integrated waveguide band pass filters with frequency-dependent coupling elements. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 237-242.	1.2	9
81	A pole-free modal field-matching technique for eigenvalue problems in electromagnetics. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1649-1653.	4.6	8
82	GENERALIZED MODAL SCATTERING MATRIX OF DISCONTINUITY-DISTORTED WAVEGUIDE MULTI-PORT JUNCTIONS. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1997, 10, 153-167.	1.9	8
83	Pseudo-Elliptic Waveguide Filters Without Cross Coupling. , 2001, , .		8
84	Design of polarization-preserving circular waveguide filters with attenuation poles. Microwave and Optical Technology Letters, 2001, 31, 334-336.	1.4	8
85	Compact planar ultra-wide pass-band filters with source-load coupling and impedance stubs. , 2006, , .		8
86	Ultra-wideband and notched wideband filters with grounded vias in microstrip technology. , 2008, , .		8
87	A diplexing antenna system in substrate integrated waveguide technology. , 2015, , .		8
88	Cross-Configuration Substrate Integrated Waveguide Beamforming Network for 1D and 2D Beam Patterns. IEEE Access, 2019, 7, 151827-151835.	4.2	8
89	A Wideband Fabry-Pérot Antenna With Enhanced Gain in the High-Frequency Operating Band by Adopting a Truncated Field Correcting Structure. IEEE Transactions on Antennas and Propagation, 2021, 69, 8221-8228.	5.1	8
90	Microstrip Ultra-Wideband Filter with Flexible Notch Characteristics. Wireless Engineering and Technology, 2012, 03, 12-17.	0.9	8

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91	Reconfigurable Corner Reflector Using PIN-Diode-Switched Frequency Selective Surfaces. , 2020, , .		8
92	A Slot Antenna Array With Reconfigurable RCS Using Liquid Absorber. IEEE Transactions on Antennas and Propagation, 2022, 70, 6095-6100.	5.1	8
93	Simplified mode-matching techniques for the analysis of coaxial-cavity-coupled radial E-plane power dividers. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 1875-1880.	4.6	7
94	On the Acceleration of the Coupled-Integral-Equations Technique and Its Application To Multistub E-Plane Discontinuities. Journal of Electromagnetic Waves and Applications, 1999, 13, 539-554.	1.6	7
95	Classical eigenvalue mode spectrum analysis of multiple-ridged rectangular and circular waveguides for the design of narrowband waveguide components. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2009, 22, 395-410.	1.9	7
96	Design of millimetre-wave diplexers with optimized H-plane transformer sections. Canadian Journal of Electrical and Computer Engineering, 1990, 15, 5-8.	2.0	6
97	Envelope detection of vestigial sideband TV signals with carrier reinsertion. IEEE Transactions on Consumer Electronics, 1992, 38, 1-4.	3.6	6
98	Direct-coupled waveguide filters for the lower gigahertz frequency range. International Journal of RF and Microwave Computer-Aided Engineering, 2002, 12, 217-225.	1.2	6
99	Coplanar UWB antenna with increased suppression characteristics. Microwave and Optical Technology Letters, 2008, 50, 3111-3114.	1.4	6
100	Quasi-elliptic dual-band filter design using stepped-impedance resonators and coupling topologies for narrow-to-wide-band applications. IET Microwaves, Antennas and Propagation, 2008, 2, 863-870.	1.4	6
101	Experimental verification of coplanar-to-substrate-integrated-waveguide interconnect on low-permittivity substrate. , 2013, , .		6
102	Inverted interconnect between substrate integrated waveguide and coplanar waveguide. , 2013, , .		6
103	Broadband design of substrate integrated waveguide to stripline interconnect. , 2014, , .		6
104	A wideband Artificial Magnetic Conductor Yagi antenna for 60-GHz standard 0.13- μm CMOS applications. , 2014, , .		6
105	Synthesis and design of direct-coupled rectangular waveguide filters with arbitrary inverter sequence. , 2014, , .		6
106	Theory of nanorod antenna resonances including end-reflection phase. Physical Review B, 2015, 91, .	3.2	6
107	Coaxial-fed dual-layer SIW horn antenna with improved E-plane radiation pattern. , 2017, , .		6
108	Metallic E-plane filter with cavities of different cutoff frequency. Electronics Letters, 1986, 22, 524-525.	1.0	5

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109	LSE- and LSM-mode sheet impedances of thin conductors. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 967-970.	4.6	5
110	CIET-Analysis and Design of Folded Asymmetric H-Plane Waveguide Filters With Source-Load Coupling. , 2000, , .		5
111	Tunable notch characteristics in microstrip ultra-wideband filters. , 2009, , .		5
112	Design of dual-band substrate-integrated waveguide E-plane directional couplers. , 2009, , .		5
113	Novel designs of polarization-preserving circular waveguide filters. International Journal of Microwave and Wireless Technologies, 2010, 2, 531-536.	1.9	5
114	Mode-matching analysis of substrate-integrated waveguide circuits. , 2011, , .		5
115	Broadband 100 GHz Substrate-Integrated Waveguide couplers with irregularly shaped Via holes for higher-order mode suppression. , 2012, , .		5
116	Printed-circuit antennas for ultra-wideband monitoring applications. , 2012, , .		5
117	Wideband Substrate-Integrated Waveguide Six-Port Power Divider/Combiner. Microwave and Optical Technology Letters, 2013, 55, 2984-2986.	1.4	5
118	Broadband interconnects between coplanar waveguide and substrate integrated waveguide for dense packaging and integration. , 2014, , .		5
119	Quasi-Elliptic Triple-Stopband Filter Based On Six Cross-Coupled SIW Resonators. IEEE Microwave and Wireless Components Letters, 2015, 25, 802-804.	3.2	5
120	Scattering matrix subtraction technique for mode-matching analysis of substrate integrated waveguide junctions. , 2017, , .		5
121	Substrate integrated waveguide crossover formed by orthogonal TE ₁₀₂ resonators. , 2017, , .		5
122	Shunt-inductance-coupled waveguide filters with expanded second stopband. Electronics Letters, 1985, 21, 238.	1.0	4
123	Ferrite tunable metal insert filter. Electronics Letters, 1987, 23, 804.	1.0	4
124	Selectivity-improved E-plane filter for millimetre-wave applications. Electronics Letters, 1991, 27, 1891.	1.0	4
125	Simple and efficient numerical evaluation of the one-dimensional generalized exponential integral for ultra-thin wire antennas. Microwave and Optical Technology Letters, 1998, 19, 255-257.	1.4	4
126	A technique for designing ring and rod dielectric resonators in cutoff waveguides. Microwave and Optical Technology Letters, 1999, 23, 203-205.	1.4	4

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127	Design and analysis of iris-coupled and dielectric-loaded 1/8-cut TE/sub 01/-mode microwave bandpass filters. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 413-421.	4.6	4
128	New Evanescent-Mode Filter Designs In Circular Waveguide Using a Classical Bigenvalue Mode-Spectrum Analysis. , 2009, , .		4
129	A modified design approach for compact ultra-wideband microstrip filters. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 66-75.	1.2	4
130	Evanescent-mode filters with arbitrarily positioned ridges in circular waveguide. , 2011, , .		4
131	Efficient mode-matching design of substrate-integrated waveguide filters. , 2012, , .		4
132	Wideband transitions from Substrate-Integrated Waveguide to Coupled Microstrip lines and their applications to power dividers. , 2012, , .		4
133	A statistical model for the MIMO channel with rough reflection surfaces in the THz band. Nano Communication Networks, 2016, 8, 25-34.	2.9	4
134	Design of sum-difference power combiners with second-order filtering functions. , 2017, , .		4
135	Frequency-selective substrate integrated waveguide front-end system for tracking applications. IET Microwaves, Antennas and Propagation, 2018, 12, 1620-1624.	1.4	4
136	Design of a SIW Variable Phase Shifter for Beam Steering Antenna Systems. Electronics (Switzerland), 2019, 8, 1013.	3.1	4
137	Modified analysis of conical horns. Microwave and Optical Technology Letters, 1995, 10, 91-94.	1.4	3
138	Optimum termination networks for tightly coupled microstrip lines under random and deterministic excitations. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1785-1789.	4.6	3
139	Application of a pole-free modal field-matching technique to ridged rectangular waveguides. Microwave and Optical Technology Letters, 1997, 14, 337-340.	1.4	3
140	Design and application of grounded pin-pad resonators in LTCC components. Microwave and Optical Technology Letters, 2005, 47, 321-323.	1.4	3
141	Coplanar printed-circuit antenna with band-rejection elements for ultra-wideband filtenna applications. , 2008, , .		3
142	Simplified design of multilayered substrate-integrated waveguide Riblet-Saad couplers. Microwave and Optical Technology Letters, 2010, 52, 1142-1144.	1.4	3
143	Pseudo-elliptic substrate integrated waveguide filters with higher-order mode resonances. , 2013, , .		3
144	Triple-passband, dual-stopband UWB antenna with substrate-integrated waveguide resonators. Microwave and Optical Technology Letters, 2014, 56, 1265-1270.	1.4	3

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145	Substrate integrated waveguide dual-bandstopband filter. Microwave and Optical Technology Letters, 2014, 56, 1561-1563.	1.4	3
146	A mode-matching technique for the analysis of waveguide-on-substrate components. , 2015, , .		3
147	Open and short U-shaped microstrip resonators for second-order single- or dual-bandstop filter design. Microwave and Optical Technology Letters, 2017, 59, 1362-1365.	1.4	3
148	H-shaped fractal antennas for dual-band applications. , 2017, , .		3
149	Broadband Feed for Low Cross-Polarization Uniplanar Tapered Slot Antennas on Low-Permittivity Substrate. Wireless Engineering and Technology, 2013, 04, 13-18.	0.9	3
150	Q-band receiver system design for the Canadian DVA-2 radio telescope. , 2020, , .		3
151	High-Gain Reconfigurable Antenna System Using PIN-Diode-Switched Frequency Selective Surfaces for 3.5 GHz 5G Application. , 2021, , .		3
152	A Comparative Study of Two Integral-Equation Formulations of Te Modes in Circular Ridged Waveguide. Journal of Electromagnetic Waves and Applications, 1997, 11, 1057-1072.	1.6	2
153	Fast and accurate mode-spectrum analysis of waveguide structures using a new set of edge-conditioned basis functions. International Journal of RF and Microwave Computer-Aided Engineering, 1998, 8, 215-225.	1.2	2
154	Ultra-wideband printed-circuit array antenna for medical monitoring applications. , 2009, , .		2
155	Microstrip antenna system for arbitrary polarization reconfigurability. , 2014, , .		2
156	A wideband MMIC low noise amplifier with series and shunt feedback. , 2014, , .		2
157	Design of a low loss substrate mounted waveguide (SMW) filter employing individual resonators. , 2016, , .		2
158	Substrate Integrated Waveguide Right-Angled Power Divider Design Using Mode-Matching Techniques. , 2018, , .		2
159	End-Fire Substrate Integrated Waveguide Beam-Forming System for 5G Applications. , 2018, , .		2
160	Gain Enhancement of Bio-inspired Antenna Using FSS for 28 GHz 5G Application. , 2021, , .		2
161	Dielectric slab matched ferrite gyrator. Electronics Letters, 1987, 23, 278.	1.0	1
162	SPECTRAL-DOMAIN MODELLING OF SUPERCONDUCTING MICROSTRIP STRUCTURES. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1997, 10, 217-229.	1.9	1

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163	A technique to locate minima in singular-value decomposition for eigenvalue problems in electromagnetics. Microwave and Optical Technology Letters, 1997, 14, 318-321.	1.4	1
164	Modelling of Propagation and Scattering in Waveguide Bends. , 2000, , .		1
165	Broadband rectangular-to-ridge-to-T-septum waveguide transformers. Microwave and Optical Technology Letters, 2004, 43, 183-185.	1.4	1
166	H-plane waveguide filters with E-plane dispersive inverters for high-power applications. , 2004, , .		1
167	Quasi-elliptic dual-band stepped-impedance filters with folded parallel high-impedance segments. , 2007, , .		1
168	Printed-circuit filters for wireless dual- and triple-band applications. Microwave and Optical Technology Letters, 2008, 50, 1495-1497.	1.4	1
169	A low-cost directional log periodic log spiral antenna. , 2010, , .		1
170	Polarizationâ€preserving evanescentâ€mode filters. Microwave and Optical Technology Letters, 2011, 53, 1435-1439.	1.4	1
171	K-band substrate integrated waveguide variable phase shifter. , 2016, , .		1
172	Full-Wave Analysis and Design of a Wideband GaAs pHEMT MMIC LNA. , 2018, , .		1
173	Low-Cost Phased Array Feed System for Radio Astronomy and Wide-Angle Scanning Applications. , 2019, , .		1
174	Linear-to-Circular Polarization Converter Based on Four-Arms Star FSS at 5.2 GHz for 5G Applications. , 2022, , .		1
175	A field-theory-based technique for the group-delay analysis of rectangular waveguide filters. , 1992, , .		0
176	Elimination of the spurious root in the SDA solution to the shielded microstrip problem. Microwave and Optical Technology Letters, 1995, 9, 312-315.	1.4	0
177	Accurate solution of waveguide model of microstrip discontinuity with the use of basis functions with edge conditions. Microwave and Optical Technology Letters, 1996, 13, 274-277.	1.4	0
178	Scattering of TE ₁₁ Mode from Two Asymmetric Ridges of Finite Thickness in a Circular Waveguide. , 1997, , .		0
179	Full-Wave Design and Analysis of Bandpass Filters using π -Cut High-Q Dielectric Ring Resonators. , 1998, , .		0
180	A Space-Harmonic Free Full-Wave Analysis of Corrugated Antenna Feeds. , 1998, , .		0

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181	Fast and accurate design methods for complex waveguide feed systems. , 1998, , .		0
182	Quasi-static analysis of circular signal tapping pads. IEEE Microwave and Wireless Components Letters, 2004, 14, 268-270.	3.2	0
183	Rudiger Vahldieck [In Memoriam]. IEEE Microwave Magazine, 2011, 12, 122-125.	0.8	0
184	KPAF (K-band phased array feed) instrument concept. Proceedings of SPIE, 2014, , .	0.8	0
185	Design of substrate integrated waveguide components using mode-matching techniques. , 2015, , .		0
186	Corrections to "Compact Multi-Port Power Combination/Distribution With Inherent Bandpass Filter Characteristics" [Nov 14 2659-2672]. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2390-2390.	4.6	0
187	Substrate integrated waveguide mode coupler for tracking applications. , 2016, , .		0
188	Substrate integrated waveguide H-plane horn antenna with symmetric beamwidths. , 2017, , .		0
189	Time-Domain Modelling of Group-Delay and Amplitude Characteristics in Ultra-Wideband Printed-Circuit Antennas. , 2011, , 51-64.		0
190	Evaluation of the Transient Performance of Super-Wideband Printed-Circuit Antennas Using Time-Domain Electromagnetics. , 2015, , 117-138.		0