

# Antti V RÄÄSÄNEN

## List of Publications by Year in descending order

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242  
papers

4,155  
citations

168829

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182931

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248  
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docs citations

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times ranked

3555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasioptical System for Corneal Sensing at 220–330 GHz: Design, Evaluation, and <i>Ex Vivo</i> Cornea Parameter Extraction. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 135-149.	2.0	14
2	Axicon-hyperbolic lens for reflectivity measurements of curved surfaces. , 2020, , .		4
3	ONE-ANTENNA RADIATION PATTERN MEASUREMENT OF ON-WAFER ANTENNAS IN PROBE STATION ENVIRONMENT. <i>Progress in Electromagnetics Research</i> , 2020, 167, 31-39.	1.6	0
4	Planar Lens-Based Ultra-Wideband Dielectric Rod Waveguide Antenna for Tunable THz and Sub-THz Photomixer Sources. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 838-855.	1.2	8
5	On the One-Antenna Gain Measurement Method in Probe Station Environment at mm-Wave Frequencies. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 4510-4517.	2.4	9
6	Systematic Design of Printable Metasurfaces: Validation Through Reverse-Offset Printed Millimeter-Wave Absorbers. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 1340-1351.	3.1	32
7	Antenna Measurements at Millimeter and Submillimeter Wavelengths. <i>Signals and Communication Technology</i> , 2018, , 409-450.	0.4	4
8	One-Antenna Gain Measurement in a Probe Station. , 2018, , .		3
9	Millimeter-Wave Antennas for 5G. , 2018, , .		9
10	Characterization of Radio Links at 60 GHz Using Simple Geometrical and Highly Accurate 3-D Models. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 4647-4656.	3.9	15
11	Single walled carbon nanotube quantification method employing the Raman signal intensity. <i>Carbon</i> , 2017, 116, 547-552.	5.4	44
12	Conformal antenna array for millimeter-wave communications: performance evaluation. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 241-247.	1.5	22
13	Studies on applicability of reverse offset in printing millimeter-wave antennas on flexible substrates. , 2017, , .		1
14	Design of a Dielectric Rod Waveguide Antenna Array for Millimeter Waves. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017, 38, 33-46.	1.2	22
15	A simple method for on-wafer antenna gain measurement. , 2017, , .		5
16	W-band phase shifter based on optimized optically controlled carbon nanotube layer. , 2017, , .		6
17	Dual-polarised lens feed arrays and end-fire antennas in E-band. , 2016, , .		1
18	2-D Beam-Steerable Integrated Lens Antenna System for 5G &inline-formula; &tex-math notation="LaTeX"&gt; & &lt;/tex-math&gt; & &lt;/inline-formula&gt;-Band Access and Backhaul. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 2244-2255.	2.9	109

#	ARTICLE	IF	CITATIONS
19	Optically controlled millimetre wave phase shifter. , 2016, , .		1
20	Millimeter wave conductivity of silver nanowire network. , 2016, , .		0
21	Suitability of roll-to-roll reverse offset printing for mass production of millimeter-wave antennas: Progress report. , 2016, , .		7
22	Reconfigurable high impedance surface with graphene. , 2016, , .		2
23	Reduced set of points in phaseless broadband near-field antenna measurement: Effects of noise and mechanical errors. , 2016, , .		3
24	Resistivity and optical transmittance dependence on length and diameter of nanowires in silver nanowire layers in application to transparent conductive coatings. Micro and Nano Letters, 2016, 11, 343-347.	0.6	14
25	Conductivity of Carbon Nanotube Layers at Low-Terahertz Frequencies. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 840-845.	2.0	11
26	Towards printed millimeter-wave components: Material characterization. , 2016, , .		4
27	Experimental investigation of traps in THz Schottky diodes. , 2016, , .		0
28	Characterisation of low-barrier Schottky diodes for millimeter wave mixer applications. , 2016, , .		7
29	Mitigation of multiple reflections in antenna pattern retrieval method. , 2016, , .		0
30	Millimeter-Wave Phaseless Antenna Measurement Based on a Modified Off-Axis Holography Setup. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 160-174.	1.2	3
31	Phaseless Characterization of Broadband Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 484-495.	3.1	28
32	Array of Dielectric Rod Waveguide antennas for millimeter-wave power generation. , 2015, , .		8
33	Reflection coefficient method for antenna radiation pattern measurements. , 2015, , .		6
34	Reconfigurable mm-wave phase shifter based on high impedance surface with carbon nanotube membrane MEMS. , 2015, , .		5
35	Carbon nanotube network varactor. Nanotechnology, 2015, 26, 045201.	1.3	10
36	Dielectric Rod Waveguide Antenna as THz Emitter for Photomixing Devices. IEEE Transactions on Antennas and Propagation, 2015, 63, 882-890.	3.1	46

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37	Beam switching conformal antenna array for mm-wave communications. IEEE Antennas and Wireless Propagation Letters, 2015, , 1-1.	2.4	37
38	Dielectric Constant Estimation of a Carbon Nanotube Layer on the Dielectric Rod Waveguide at Millimeter Wavelengths. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3265-3271.	2.9	8
39	ANTENNA PATTERN RETRIEVAL FROM REFLECTION COEFFICIENT MEASUREMENTS WITH REFLECTIVE LOADS. Progress in Electromagnetics Research, 2014, 148, 15-22.	1.6	13
40	Developments of a reflectarray and its element characterization at millimeter wavelengths. , 2014, , .		1
41	Realization of Wideband Hologram Compact Antenna Test Range by Linearly Adjusting the Feed Location. IEEE Transactions on Antennas and Propagation, 2014, 62, 5628-5633.	3.1	11
42	Waveguide coupling to high index whispering gallery mode resonators in the THz domain. , 2014, , .		1
43	Propagation constant measurements of silver nanowires, carbon nanotubes and graphene at 75&#x2013;110 GHz. , 2014, , .		1
44	Radiation pattern retrieval from impedance measurement with a reflective object in the antenna near field. , 2014, , .		2
45	Ultra-wideband Dielectric Rod Waveguide antenna as photomixer-based THz emitter. , 2014, , .		1
46	Liquid metal patch antenna and antenna array for WLAN applications. Microwave and Optical Technology Letters, 2014, 56, 2462-2464.	0.9	1
47	Detecting THz in the telecom range: All resonant THz up-conversion in a whispering gallery mode resonator. , 2014, , .		2
48	Dielectric rod waveguide as an enabling technology for THz frequencies. , 2014, , .		1
49	Thermal Characterization of THz Schottky Diodes Using Transient Current Measurements. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 267-276.	2.0	6
50	Mixer-Based Characterization of Millimeter-Wave and Terahertz Single-Anode and Antiparallel Schottky Diodes. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 552-559.	2.0	7
51	Millimetre-wave dielectric slab and parallel plate waveguide dielectric lens antennas for beam steering. , 2014, , .		2
52	Wide Band mm- and Sub-mm-Wave Dielectric Rod Waveguide Antenna. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 568-574.	2.0	24
53	A Systematic Design Method for CRLH Periodic Structures in the Microwave to Millimeter-Wave Range. IEEE Transactions on Antennas and Propagation, 2014, 62, 4153-4161.	3.1	8
54	Estimation of optimum antenna configurations supported by realistic propagation models at 60 GHz. , 2014, , .		2

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55	Reflectarray Design for 120-GHz Radar Application: Measurement Results. IEEE Transactions on Antennas and Propagation, 2013, 61, 5036-5047.	3.1	10
56	Characterization of inkjet patch antenna on different ground planes at millimeter-wave frequencies. , 2013, , .		5
57	Studies on E-band antennas and propagation. , 2013, , .		11
58	New antenna topology coupled to a new waveguide structure for THz radiation and propagation. , 2013, , .		0
59	â€œRadioAstronâ€•A telescope with a size of 300 000 km: Main parameters and first observational results. Astronomy Reports, 2013, 57, 153-194.	0.2	197
60	Near-field measurements of submillimeter-wave reflectarrays. Proceedings of SPIE, 2013, , .	0.8	4
61	REDUCTION OF INTERNAL REFLECTIONS IN INTEGRATED LENS ANTENNAS FOR BEAM-STEERING. Progress in Electromagnetics Research, 2013, 134, 63-78.	1.6	17
62	Antennas for electronic beam steering and focusing at millimeter wavelengths. , 2012, , .		2
63	Developments towards real-time active and passive submillimetre-wave imaging for security applications. , 2012, , .		6
64	Towards video rate imaging at submillimetre-waves &#x2014; Finnish developments of passive multi-band imaging and holographic submm-wave beam steering at VTT. , 2012, , .		4
65	Millimeter-Wave Power Sensor Based on Silicon Rod Waveguide. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 623-628.	2.0	9
66	THz holographic imaging: A spatial-domain technique for phase retrieval and image reconstruction. , 2012, , .		2
67	2D Beam-steering with non-symmetrical beam using non-symmetrical integrated lens antenna. , 2012, , .		4
68	Dielectric rod waveguide antenna for 220&#x2013;325 GHz. , 2012, , .		4
69	Reflectarray for 120-GHz beam steering application: design, simulations, and measurements. Proceedings of SPIE, 2012, , .	0.8	9
70	Iris-based 2-bit waveguide phase shifters and transmit-array for automotive radar applications. , 2012, , .		3
71	USING OPTIMIZED ECCENTRICITY REXOLITE LENS FOR ELECTRICAL BEAM STEERING WITH INTEGRATED APERTURE COUPLED PATCH ARRAY. Progress in Electromagnetics Research B, 2012, 44, 345-365.	0.7	18
72	Reflection phase characterization of the MEMS-based high impedance surface. , 2012, , .		0

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73	Experimental Determination of DRW Antenna Phase Center at mm-Wavelengths Using a Planar Scanner: Comparison of Different Methods. IEEE Transactions on Antennas and Propagation, 2011, 59, 2806-2812.	3.1	16
74	Analog-type millimeter-wave phase shifters based on MEMS tunable high-impedance surface and dielectric rod waveguide. International Journal of Microwave and Wireless Technologies, 2011, 3, 533-538.	1.5	27
75	Antenna-in-package solution for 3D integration of millimeter-wave systems using a thin-film MCM technology. , 2011, , .		5
76	Leaky-wave antenna based on micro-electromechanical systems-loaded microstrip line. IET Microwaves, Antennas and Propagation, 2011, 5, 357.	0.7	12
77	Schottky Diode Series Resistance and Thermal Resistance Extraction From S <sub>11</sub> -Parameter and Temperature Controlled I <sub>dc</sub> -V Measurements. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2108-2116.	2.9	43
78	Microwave MEMS devices designed for process robustness and operational reliability. International Journal of Microwave and Wireless Technologies, 2011, 3, 547-563.	1.5	11
79	High Permittivity Dielectric Rod Waveguide as an Antenna Array Element for Millimeter Waves. IEEE Transactions on Antennas and Propagation, 2010, 58, 714-719.	3.1	53
80	LEAKY-WAVE REGIMES ON MEMS-LOADED TRANSMISSION LINES FOR MM-WAVE APPLICATIONS. Progress in Electromagnetics Research M, 2010, 13, 157-171.	0.5	3
81	Indirect holographic imaging: evaluation of image quality at 310 GHz. Proceedings of SPIE, 2010, , .	0.8	11
82	Corrections to "Simple and Accurate Analytical Model of Planar Grids and High-Impedance Surfaces Comprising Metal Strips or Patches" [Jun 08 1624-1632]. IEEE Transactions on Antennas and Propagation, 2010, 58, 2162-2162.	3.1	7
83	Passive real-time submillimetre-wave imaging system utilizing antenna-coupled microbolometers for stand-off security screening applications. , 2010, , .		8
84	Analog type millimeter wave phase shifters based on MEMS tunable high-impedance surface in rectangular metal waveguide. , 2010, , .		2
85	Noncontacting Multiwaveguide-Band Backshort for Millimeter Wave Applications. IEEE Microwave and Wireless Components Letters, 2010, 20, 483-485.	2.0	1
86	Unexpected measurement results of 94 GHz lens antenna in short far-field conditions. Electronics Letters, 2009, 45, 725.	0.5	1
87	Defected ground and patch-loaded planar transmission lines. IET Microwaves, Antennas and Propagation, 2009, 3, 195.	0.7	16
88	Millimetron—a large Russian-European submillimeter space observatory. Experimental Astronomy, 2009, 23, 221-244.	1.6	58
89	Antenna Tests With a Hologram-Based CATR at 650 GHz. IEEE Transactions on Antennas and Propagation, 2009, 57, 711-720.	3.1	25
90	Monostatic Reflectivity and Transmittance of Radar Absorbing Materials at 650 GHz. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 632-637.	2.9	7

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91	An Efficient and Simple Analytical Model for Analysis of Propagation Properties in Impedance Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1624-1632.	2.9	30
92	Simple and Accurate Analytical Model of Planar Grids and High-Impedance Surfaces Comprising Metal Strips or Patches. IEEE Transactions on Antennas and Propagation, 2008, 56, 1624-1632.	3.1	666
93	Millimetre-Wave Phase Shifter Based on Dielectric Rod Waveguide. , 2008, , .		10
94	Dielectric Rod Waveguide Travelling Wave Amplifier Based on AlGaAs/GaAs Heterostructure. , 2008, , .		15
95	Micro-fabricated high-impedance surface for millimeter wave beam steering applications. , 2008, , .		5
96	Gunn oscillator modeling and second harmonic output power optimization at 76 GHz. , 2008, , .		2
97	Mm- and submm-wave research activities at MilliLab and SMARAD. , 2008, , .		0
98	Antenna Pattern Correction Technique Based on Signal-to-Interference Ratio Optimization. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 267-270.	2.4	6
99	High-Impedance Wire. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 631-634.	2.4	22
100	Antenna Pattern Correction Technique Based on an Adaptive Array Algorithm. IEEE Transactions on Antennas and Propagation, 2007, 55, 2194-2199.	3.1	11
101	Compact Antenna Test Range Based on a Computer-Generated Hologram and Its Use at Submillimeter Wavelengths. , 2007, , .		1
102	How to test a high-gain antenna at THz frequencies?. , 2007, , .		3
103	Dual bandstop resonator using combined split ring resonator and defected ground structure. Microwave and Optical Technology Letters, 2007, 49, 1249-1253.	0.9	10
104	\$\$\$-Band Waveguide Impedance Tuner Utilizing Dielectric-Based Backshorts. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1659-1665.	2.9	3
105	Propagation of millimeter waves in GaAs and Si double-layer dielectric waveguides. Radiophysics and Quantum Electronics, 2007, 50, 908-912.	0.1	0
106	110-170 GHz Millimetre Wave Power Standard. , 2006, , .		3
107	Phase-hologram-based compact RCS test range at 310 GHz for scale models. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2391-2397.	2.9	24
108	Monostatic Reflectivity Measurement of Radar Absorbing Materials at 310 GHz. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3486-3491.	2.9	24

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109	Design of a 650 GHz dual reflector feed system for a hologram-based CATR. , 2006, , .		1
110	A Frequency Shift Technique for Pattern Correction in Hologram-Based CATRs. IEEE Transactions on Antennas and Propagation, 2006, 54, 2963-2968.	3.1	4
111	Millimetre Wave Phase Shifters Based on a Metal Waveguide with a MEMS-Based High-Impedance Surface. , 2006, , .		4
112	MEMS-based high-impedance surfaces for millimeter and submillimeter wave applications. Microwave and Optical Technology Letters, 2006, 48, 2570-2573.	0.9	29
113	Studies on an amplitude hologram as a submillimeter-wave collimator at circular polarisation. , 2006, , .		1
114	Development of a hologram-based CATR for testing a very high gain antenna at 650 GHz. , 2006, , .		1
115	Dielectric-loaded flat reflector test antenna for submillimetre wavelengths. , 2005, , .		0
116	Two differential open resonator techniques for measuring dielectric constants of thin films on substrates. , 2005, , .		1
117	Numerical synthesis method for designing a shaped dual reflector feed system. IET Microwaves Antennas and Propagation, 2005, 152, 311.	1.2	7
118	Differential Open Resonator Method for Permittivity Measurements of Thin Dielectric Film on Substrate. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 1916-1920.	2.4	14
119	Experimental study on a hologram-based compact antenna test range at 650 GHz. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 2999-3006.	2.9	14
120	Hologram based compact ranges for antenna and RCS testing at submm waves. , 2005, , .		0
121	Dielectric rod waveguide antenna for W band with good input match. IEEE Microwave and Wireless Components Letters, 2005, 15, 4-6.	2.0	45
122	Testing of a 1.5-m reflector antenna at 322 GHz in a CATR based on a hologram. IEEE Transactions on Antennas and Propagation, 2005, 53, 3142-3150.	3.1	26
123	Design of a dielectric-based tunable waveguide backshort. , 2005, , .		3
124	Sub-mm antenna tests in a hologram-based CATR. IEEE Antennas and Propagation Magazine, 2005, 47, 237-240.	1.2	3
125	Hologram-based compact range for submillimeter-wave antenna testing. IEEE Transactions on Antennas and Propagation, 2005, 53, 3151-3159.	3.1	26
126	Millimeter-wave permittivity measurement of deposited dielectric films using the spherical open resonator. IEEE Microwave and Wireless Components Letters, 2005, 15, 564-566.	2.0	16



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127	Dual reflector feed system for hologram-based compact antenna test range. IEEE Transactions on Antennas and Propagation, 2005, 53, 3940-3948.	3.1	8
128	A feed scanning based APC technique for compact antenna test ranges. IEEE Transactions on Antennas and Propagation, 2005, 53, 3160-3165.	3.1	14
129	Near-Field Scanner for the Detection of Passive Intermodulation Sources in Base Station Antennas. IEEE Transactions on Electromagnetic Compatibility, 2004, 46, 661-667.	1.4	26
130	Characterization of Submillimeter Wave Absorbers from 200â€“600 GHz. Journal of Infrared, Millimeter and Terahertz Waves, 2004, 25, 71-88.	0.6	10
131	Novel Wide-Band Coplanar Waveguide-to-Rectangular Waveguide Transition. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1836-1842.	2.9	35
132	Effect of load impedance on passive intermodulation measurements. Electronics Letters, 2004, 40, 245.	0.5	24
133	Microwave imaging in the time domain of buried multiple scatterers by using an FDTD-based optimization technique. IEEE Transactions on Magnetics, 2003, 39, 1381-1384.	1.2	45
134	Sensitivity measurements of a passive intermodulation near-field scanner. IEEE Antennas and Propagation Magazine, 2003, 45, 124-129.	1.2	9
135	Pilot signal-based real-time measurement correction of phase errors caused by microwave cable flexing in planar near-field tests. IEEE Transactions on Antennas and Propagation, 2003, 51, 195-200.	3.1	33
136	Millimeter-wave beam shaping using holograms. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 1274-1280.	2.9	47
137	The Odin satellite. Astronomy and Astrophysics, 2003, 402, L27-L34.	2.1	171
138	Measuring satellite antennas with a compact hologram test range. IEEE Aerospace and Electronic Systems Magazine, 2002, 17, 13-19.	2.3	2
139	Modification of Marcatili's method for the calculation of anisotropic rectangular dielectric waveguides. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1640-1642.	2.9	4
140	Microwaves in Europe. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1056-1072.	2.9	9
141	Modified Goell method for the calculation of uniaxial anisotropic rectangular dielectric waveguides. Microwave and Optical Technology Letters, 2002, 32, 373-376.	0.9	2
142	Using a Phase-Locked Backward-Wave Oscillator (BWO) to Extend the Dynamic Range of a Vector Network Analyzer at Submillimetre Wavelengths. , 2001, , .		1
143	Millimetre-wave Bessel beams using computer holograms. Electronics Letters, 2001, 37, 834.	0.5	43
144	Low-loss wideband microwave coaxial bias T. Microwave and Optical Technology Letters, 2001, 29, 236-238.	0.9	0

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145	Compact wideband dual-polarized microstrip antenna. Microwave and Optical Technology Letters, 2001, 28, 396-398.	0.9	4
146	Low-loss sapphire waveguides for 75-110 GHz frequency range. IEEE Microwave and Wireless Components Letters, 2001, 11, 252-254.	2.0	32
147	European Minor Constituent Radiometer: A New Millimeter Wave Receiver for Atmospheric Research. Journal of Infrared, Millimeter and Terahertz Waves, 2001, 22, 1555-1575.	0.6	6
148	Development of Rectangular Open Dielectric Waveguide Sections for the Frequency Range of 75-110 GHz. , 2001, , .		2
149	Reflectivity measurements of various commercial absorbers at millimetre and submillimetre wavelengths. Electronics Letters, 2001, 37, 143.	0.5	4
150	Novel tunable waveguide backshort for millimeter and submillimeter wavelengths. IEEE Microwave and Wireless Components Letters, 2001, 11, 370-372.	2.0	8
151	Measurement of the Odin telescope at 119 GHz with a hologram-type CATR. IEEE Transactions on Antennas and Propagation, 2001, 49, 1264-1270.	3.1	44
152	Subharmonic waveguide mixer at 215 GHz utilizing quasivertical Schottky diodes. Microwave and Optical Technology Letters, 2000, 27, 93-97.	0.9	8
153	Cross-polarization performance of the hologram compact antenna test range. Microwave and Optical Technology Letters, 2000, 27, 225-229.	0.9	5
154	Test results of 310 GHz hologram compact antenna test range. Electronics Letters, 2000, 36, 111.	0.5	15
155	Antenna measurements using a hologram CATR. Electronics Letters, 1999, 35, 757.	0.5	8
156	An efficient FDTD algorithm for the analysis of microstrip patch antennas printed on a general anisotropic dielectric substrate. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 1142-1146.	2.9	38
157	A high-gain 58-GHz box-horn array antenna with suppressed grating lobes. IEEE Transactions on Antennas and Propagation, 1999, 47, 1125-1130.	3.1	60
158	KASIMIR initiative and recent results. , 1999, 3828, 417.		0
159	GaAs Double Heterostructure Step Recovery Diode. Physica Scripta, 1999, T79, 334.	1.2	0
160	Planar 64 element millimetre wave antenna. Electronics Letters, 1999, 35, 253.	0.5	4
161	Cryogenic millimeter-wave ring filter for space application. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 1257-1262.	2.9	4
162	Characterization and modeling of step recovery diodes. , 1998, 17, 200-205.		1

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163	A generalized compact 2-D FDTD model for the analysis of guided modes of anisotropic waveguides with arbitrary tensor permittivity. , 1998, 18, 17-23.		10
164	A large planar 39-GHz antenna array of waveguide-fed horns. IEEE Transactions on Antennas and Propagation, 1998, 46, 1189-1193.	3.1	46
165	Generalized material-independent PML absorbers for the FDTD simulation of electromagnetic waves in arbitrary anisotropic dielectric and magnetic media. , 1998, 8, 52-54.		34
166	Extension of Berenger's PML absorbing boundary conditions to arbitrary anisotropic magnetic media. , 1998, 8, 15-17.		8
167	<title>Hologram as the collimating element in a compact antenna test range at millimeter wavelengths</title>. , 1998, , .		1
168	<title>EMCOR radiometer: calibration and first tests</title>. , 1998, 3503, 362.		0
169	Measurement of a Novel 40 GHz Planar Antenna using Planar Near-field Scanning Techniques and a Hologram CATR. , 1997, , .		3
170	Performance analysis of a submillimeter wave hologram CATR. , 1997, , .		3
171	A compact antenna test range based on a hologram. IEEE Transactions on Antennas and Propagation, 1997, 45, 1270-1276.	3.1	83
172	A stable algorithm for modeling lumped circuit source across multiple FDTD cells. , 1997, 7, 308-310.		11
173	Material independent PML absorbers for arbitrary anisotropic dielectric media. Electronics Letters, 1997, 33, 1535.	0.5	33
174	A frequency doubler for 200 GHz with a planar Schottky varactor. Journal of Infrared, Millimeter and Terahertz Waves, 1997, 18, 2063-2075.	0.6	0
175	Numerical modeling of a nonuniform grating with FDTD. , 1997, 15, 134-139.		15
176	Analysis of hybrid modes in channel multilayer optical waveguides with the compact 2-D FDTD method. , 1997, 15, 398-403.		3
177	Optimization of the Schottky varactor for frequency multiplier applications at submillimeter wavelengths. , 1996, 6, 241-242.		10
178	A large planar antenna consisting of an array of waveguide fed horns. , 1996, , .		3
179	Dynamic shape of the depletion layer of a submillimeter-wave Schottky varactor. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 2159-2165.	2.9	4
180	Computer-aided design of step recovery diode frequency multipliers. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 2612-2616.	2.9	15

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181	A 119 GHz planar Schottky diode mixer for a space application. Journal of Infrared, Millimeter and Terahertz Waves, 1996, 17, 807-818.	0.6	2
182	Measurement of dielectrics at 100 GHz with an open resonator connected to a network analyzer. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 780-786.	2.4	78
183	Application of a simple and efficient source excitation technique to the FDTD analysis of waveguide and microstrip circuits. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 1535-1539.	2.9	59
184	Tunerless millimeter wave ring filter for wide temperature range. , 1996, , .		1
185	A single barrier varactor quintupler at 170 GHz. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 685-688.	2.9	22
186	COBRAS/SAMBA: the ESA medium size mission for measurements of CBR anisotropy. Planetary and Space Science, 1995, 43, 1459-1465.	0.9	11
187	A simple source excitation scheme for the FD-TD analysis of waveguide discontinuities. , 1995, , .		2
188	Integrated back to back barrier-N-N/sup +/- varactor diode tripler using a split-waveguide block. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 948-954.	2.9	3
189	On the modeling and optimization of Schottky varactor frequency multipliers at submillimeter wavelengths. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 922-926.	2.9	40
190	A fast and efficient FDTD algorithm for the analysis of planar microstrip discontinuities by using a simple source excitation scheme. , 1995, 5, 341-343.		36
191	Recent Advances in the Studies of Frequency Multipliers at Millimeter and Submillimeter Wavelengths. , 1994, , .		0
192	A 22 GHz receiver with high phase stability for radioastron space-VLBI-mission. Experimental Astronomy, 1994, 5, 389-404.	1.6	0
193	A method of moments solution to a three-dimensional whisker structure. Journal of Infrared, Millimeter and Terahertz Waves, 1994, 15, 671-682.	0.6	0
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