

Antti V Risnen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

2,987
citations

26
h-index

46
g-index

247
ext. papers

3,681
ext. citations

3
avg, IF

4.68
L-index

#	Paper	IF	Citations
200	. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021 , 11, 135-149	3.4	5
199	ONE-ANTENNA RADIATION PATTERN MEASUREMENT OF ON-WAFER ANTENNAS IN PROBE STATION ENVIRONMENT. <i>Progress in Electromagnetics Research</i> , 2020 , 167, 31-39	3.8	
198	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 4510-4517	5.2	7
197	Planar LensBased 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	2.2	4
196	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1340-1351	4.9	18
195	Antenna Measurements at Millimeter and Submillimeter Wavelengths. <i>Signals and Communication Technology</i> , 2018 , 409-450	0.5	1
194	2018 ,		2
193	Millimeter-Wave Antennas for 5G 2018 ,		2
192	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 4647-4656	6.8	12
191	Single walled carbon nanotube quantification method employing the Raman signal intensity. <i>Carbon</i> , 2017 , 116, 547-552	10.4	34
190	Conformal antenna array for millimeter-wave communications: performance evaluation. <i>International Journal of Microwave and Wireless Technologies</i> , 2017 , 9, 241-247	0.8	10
189	Design of a Dielectric Rod Waveguide Antenna Array for Millimeter Waves. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017 , 38, 33-46	2.2	14
188	A simple method for on-wafer antenna gain measurement 2017 ,		3
187	W-band phase shifter based on optimized optically controlled carbon nanotube layer 2017 ,		2
186	Resistivity and optical transmittance dependence on length and diameter of nanowires in silver nanowire layers in application to transparent conductive coatings. <i>Micro and Nano Letters</i> , 2016 , 11, 343-347	0.9	9
185	. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 840-845	3.4	6
184	Towards printed millimeter-wave components: Material characterization 2016 ,		3

183	Characterisation of low-barrier Schottky diodes for millimeter wave mixer applications 2016 ,		4
182	Millimeter-Wave Phaseless Antenna Measurement Based on a Modified Off-Axis Holography Setup. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016 , 37, 160-174	2.2	2
181	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 484-495	4.9	22
180	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 2244-2255	4.1	74
179	Suitability of roll-to-roll reverse offset printing for mass production of millimeter-wave antennas: Progress report 2016 ,		3
178	Reconfigurable high impedance surface with graphene 2016 ,		1
177	Reduced set of points in phaseless broadband near-field antenna measurement: Effects of noise and mechanical errors 2016 ,		1
176	Beam Switching Conformal Antenna Array for mm-Wave Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 1-1	3.8	19
175	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3265-3271	4.1	7
174	Array of Dielectric Rod Waveguide antennas for millimeter-wave power generation 2015 ,		4
173	Principles of Emission of THz Waves 2015 , 69-159		1
172	Selected Emerging THz Technologies 2015 , 340-382		2
171	Propagation at THz Frequencies 2015 , 160-211		2
170	Reflection coefficient method for antenna radiation pattern measurements 2015 ,		4
169	Reconfigurable mm-wave phase shifter based on high impedance surface with carbon nanotube membrane MEMS 2015 ,		4
168	Carbon nanotube network varactor. <i>Nanotechnology</i> , 2015 , 26, 045201	3.4	7
167	Dielectric Rod Waveguide Antenna as THz Emitter for Photomixing Devices. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 882-890	4.9	29
166	Thermal Characterization of THz Schottky Diodes Using Transient Current Measurements. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014 , 4, 267-276	3.4	6

165	. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014 , 4, 552-559	3-4	7
164	Millimetre-wave dielectric slab and parallel plate waveguide dielectric lens antennas for beam steering 2014 ,		2
163	. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014 , 4, 568-574	3-4	19
162	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4153-4161	4-9	7
161	ANTENNA PATTERN RETRIEVAL FROM REFLECTION COEFFICIENT MEASUREMENTS WITH REFLECTIVE LOADS. <i>Progress in Electromagnetics Research</i> , 2014 , 148, 15-22	3-8	8
160	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5628-5633	4-9	5
159	Radiation pattern retrieval from impedance measurement with a reflective object in the antenna near field 2014 ,		1
158	Ultra-wideband Dielectric Rod Waveguide antenna as photomixer-based THz emitter 2014 ,		1
157	Liquid metal patch antenna and antenna array for WLAN applications. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2462-2464	1-2	
156	Detecting THz in the telecom range: All resonant THz up-conversion in a whispering gallery mode resonator 2014 ,		1
155	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5036-5047	4-9	7
154	Characterization of inkjet patch antenna on different ground planes at millimeter-wave frequencies 2013 ,		2
153	2013 ,		7
152	RadioAstron telescope with a size of 300 000 km: Main parameters and first observational results. <i>Astronomy Reports</i> , 2013 , 57, 153-194	1-1	147
151	Near-field measurements of submillimeter-wave reflectarrays 2013 ,		4
150	REDUCTION OF INTERNAL REFLECTIONS IN INTEGRATED LENS ANTENNAS FOR BEAM-STEERING. <i>Progress in Electromagnetics Research</i> , 2013 , 134, 63-78	3-8	13
149	Millimeter-Wave Power Sensor Based on Silicon Rod Waveguide. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2012 , 2, 623-628	3-4	7
148	THz holographic imaging: A spatial-domain technique for phase retrieval and image reconstruction 2012 ,		1

147	2D Beam-steering with non-symmetrical beam using non-symmetrical integrated lens antenna 2012			3
146	Dielectric rod waveguide antenna for 220B25 GHz 2012 ,			2
145	Reflectarray for 120-GHz beam steering application: design, simulations, and measurements 2012 ,			5
144	Iris-based 2-bit waveguide phase shifters and transmit-array for automotive radar applications 2012			2
143	USING OPTIMIZED ECCENTRICITY REXOLITE LENS FOR ELECTRICAL BEAM STEERING WITH INTEGRATED APERTURE COUPLED PATCH ARRAY. <i>Progress in Electromagnetics Research B</i> , 2012 , 44, 345-365	0.7		13
142	Antennas for electronic beam steering and focusing at millimeter wavelengths 2012 ,			2
141	Developments towards real-time active and passive submillimetre-wave imaging for security applications 2012 ,			4
140	Towards video rate imaging at submillimetre-waves [Finnish developments of passive multi-band imaging and holographic submm-wave beam steering at VTT 2012 ,			2
139	Analog-type millimeter-wave phase shifters based on MEMS tunable high-impedance surface and dielectric rod waveguide. <i>International Journal of Microwave and Wireless Technologies</i> , 2011 , 3, 533-538	0.8		19
138	Leaky-wave antenna based on micro-electromechanical systems-loaded microstrip line. <i>IET Microwaves, Antennas and Propagation</i> , 2011 , 5, 357	1.6		9
137	Schottky Diode Series Resistance and Thermal Resistance Extraction From S ₁₁ -Parameter and Temperature Controlled I _V Measurements. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2108-2116	4.1		33
136	Experimental Determination of DRW Antenna Phase Center at mm-Wavelengths Using a Planar Scanner: Comparison of Different Methods. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2806-2812	4.9		8
135	Microwave MEMS devices designed for process robustness and operational reliability. <i>International Journal of Microwave and Wireless Technologies</i> , 2011 , 3, 547-563	0.8		11
134	LEAKY-WAVE REGIMES ON MEMS-LOADED TRANSMISSION LINES FOR MM-WAVE APPLICATIONS. <i>Progress in Electromagnetics Research M</i> , 2010 , 13, 157-171	0.6		3
133	Indirect holographic imaging: evaluation of image quality at 310 GHz 2010 ,			9
132	Corrections to Simple and Accurate Analytical Model of Planar Grids and High-Impedance Surfaces Comprising Metal Strips or Patches [Jun 08 1624-1632]. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 2162-2162	4.9		6
131	Passive real-time submillimetre-wave imaging system utilizing antenna-coupled microbolometers for stand-off security screening applications 2010 ,			7
130	Analog type millimeter wave phase shifters based on MEMS tunable high-impedance surface in rectangular metal waveguide 2010 ,			2

129	Noncontacting Multiwaveguide-Band Backshort for Millimeter Wave Applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 483-485	2.6	1
128	High Permittivity Dielectric Rod Waveguide as an Antenna Array Element for Millimeter Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 714-719	4.9	38
127	Unexpected measurement results of 94 GHz lens antenna in short far-field conditions. <i>Electronics Letters</i> , 2009 , 45, 725	1.1	0
126	Defected ground and patch-loaded planar transmission lines. <i>IET Microwaves, Antennas and Propagation</i> , 2009 , 3, 195	1.6	16
125	Millimetron – large Russian-European submillimeter space observatory. <i>Experimental Astronomy</i> , 2009 , 23, 221-244	1.3	41
124	Antenna Tests With a Hologram-Based CATR at 650 GHz. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 711-720	4.9	20
123	Monostatic Reflectivity and Transmittance of Radar Absorbing Materials at 650 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 632-637	4.1	6
122	An Efficient and Simple Analytical Model for Analysis of Propagation Properties in Impedance Waveguides. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 1624-1632	4.1	22
121	Simple and Accurate Analytical Model of Planar Grids and High-Impedance Surfaces Comprising Metal Strips or Patches. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 1624-1632	4.9	489
120	Millimetre-Wave Phase Shifter Based on Dielectric Rod Waveguide 2008 ,		8
119	Dielectric Rod Waveguide Travelling Wave Amplifier Based on AlGaAs/GaAs Heterostructure 2008 ,		9
118	Micro-fabricated high-impedance surface for millimeter wave beam steering applications 2008 ,		4
117	Gunn oscillator modeling and second harmonic output power optimization at 76 GHz 2008 ,		1
116	Dual bandstop resonator using combined split ring resonator and defected ground structure. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1249-1253	1.2	7
115	₩₩-Band Waveguide Impedance Tuner Utilizing Dielectric-Based Backshorts. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1659-1665	4.1	3
114	Propagation of millimeter waves in GaAs and Si double-layer dielectric waveguides. <i>Radiophysics and Quantum Electronics</i> , 2007 , 50, 908-912	0.7	
113	Antenna Pattern Correction Technique Based on Signal-to-Interference Ratio Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 267-270	3.8	5
112	High-Impedance Wire. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 631-634	3.8	17

111	Antenna Pattern Correction Technique Based on an Adaptive Array Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 2194-2199	4.9	7
110	MEMS-based high-impedance surfaces for millimeter and submillimeter wave applications. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 2570-2573	1.2	25
109	Development of a hologram-based CATR for testing a very high gain antenna at 650 GHz 2006 ,		1
108	110-170 GHz Millimetre Wave Power Standard 2006 ,		2
107	Phase-hologram-based compact RCS test range at 310 GHz for scale models. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 2391-2397	4.1	15
106	Monostatic Reflectivity Measurement of Radar Absorbing Materials at 310 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 3486-3491	4.1	19
105	Design of a 650 GHz dual reflector feed system for a hologram-based CATR 2006 ,		1
104	A Frequency Shift Technique for Pattern Correction in Hologram-Based CATRs. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 2963-2968	4.9	4
103	Millimetre Wave Phase Shifters Based on a Metal Waveguide with a MEMS-Based High-Impedance Surface 2006 ,		3
102	Design of a dielectric-based tunable waveguide backshort 2005 ,		3
101	Sub-mm antenna tests in a hologram-based CATR. <i>IEEE Antennas and Propagation Magazine</i> , 2005 , 47, 237-240	1.7	2
100	Hologram-based compact range for submillimeter-wave antenna testing. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 3151-3159	4.9	20
99	Millimeter-wave permittivity measurement of deposited dielectric films using the spherical open resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 564-566	2.6	12
98	Dual reflector feed system for hologram-based compact antenna test range. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 3940-3948	4.9	3
97	A feed scanning based APC technique for compact antenna test ranges. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 3160-3165	4.9	8
96	Two differential open resonator techniques for measuring dielectric constants of thin films on substrates 2005 ,		1
95	Numerical synthesis method for designing a shaped dual reflector feed system. <i>IET Microwaves Antennas and Propagation</i> , 2005 , 152, 311		5
94	Differential open resonator method for permittivity measurements of thin dielectric film on substrate. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2005 , 54, 1916-1920	5.2	7

93	Experimental study on a hologram-based compact antenna test range at 650 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 2999-3006	4.1	9
92	Dielectric rod waveguide antenna for W band with good input match. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 4-6	2.6	28
91	Testing of a 1.5-m reflector antenna at 322 GHz in a CATR based on a hologram. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 3142-3150	4.9	15
90	Near-field scanner for the detection of passive intermodulation sources in base station antennas. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2004 , 46, 661-667	2	14
89	Characterization of Submillimeter Wave Absorbers from 200-300 GHz. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2004 , 25, 71-88		6
88	Novel wide-band coplanar waveguide-to-rectangular waveguide transition. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 1836-1842	4.1	19
87	Effect of load impedance on passive intermodulation measurements. <i>Electronics Letters</i> , 2004 , 40, 245	1.1	18
86	The Odin satellite. <i>Astronomy and Astrophysics</i> , 2003 , 402, L27-L34	5.1	144
85	Microwave imaging in the time domain of buried multiple scatterers by using an FDTD-based optimization technique. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 1381-1384	2	34
84	Sensitivity measurements of a passive intermodulation near-field scanner. <i>IEEE Antennas and Propagation Magazine</i> , 2003 , 45, 124-129	1.7	5
83	Pilot signal-based real-time measurement and correction of phase errors caused by microwave cable flexing in planar near-field tests. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 195-200	4.9	23
82	Millimeter-wave beam shaping using holograms. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003 , 51, 1274-1280	4.1	33
81	Modification of Marcantili's method for the calculation of anisotropic rectangular dielectric waveguides. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002 , 50, 1640-1642	4.1	1
80	Microwaves in Europe. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002 , 50, 1056-1072	4.1	7
79	Modified Goell method for the calculation of uniaxial anisotropic rectangular dielectric waveguides. <i>Microwave and Optical Technology Letters</i> , 2002 , 32, 373-376	1.2	0
78	Measuring satellite antennas with a compact hologram test range. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2002 , 17, 13-19	2.4	0
77	Millimetre-wave Bessel beams using computer holograms. <i>Electronics Letters</i> , 2001 , 37, 834	1.1	34
76	Low-loss wideband microwave coaxial bias T. <i>Microwave and Optical Technology Letters</i> , 2001 , 29, 236-238	2	2

75	Compact wideband dual-polarized microstrip antenna. <i>Microwave and Optical Technology Letters</i> , 2001 , 28, 396-398	1.2	1
74	Low-loss sapphire waveguides for 75-110 GHz frequency range. <i>IEEE Microwave and Wireless Components Letters</i> , 2001 , 11, 252-254	2.6	22
73	European Minor Constituent Radiometer: A New Millimeter Wave Receiver for Atmospheric Research. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2001 , 22, 1555-1575		4
72	Development of Rectangular Open Dielectric Waveguide Sections for the Frequency Range of 75-110 GHz 2001 ,		2
71	Reflectivity measurements of various commercial absorbers at millimetre and submillimetre wavelengths. <i>Electronics Letters</i> , 2001 , 37, 143	1.1	4
70	Novel tunable waveguide backshort for millimeter and submillimeter wavelengths. <i>IEEE Microwave and Wireless Components Letters</i> , 2001 , 11, 370-372	2.6	7
69	Measurement of the Odin telescope at 119 GHz with a hologram-type CATR. <i>IEEE Transactions on Antennas and Propagation</i> , 2001 , 49, 1264-1270	4.9	27
68	Subharmonic waveguide mixer at 215 GHz utilizing quasivertical Schottky diodes. <i>Microwave and Optical Technology Letters</i> , 2000 , 27, 93-97	1.2	8
67	Cross-polarization performance of the hologram compact antenna test range. <i>Microwave and Optical Technology Letters</i> , 2000 , 27, 225-229	1.2	4
66	Test results of 310 GHz hologram compact antenna test range. <i>Electronics Letters</i> , 2000 , 36, 111	1.1	11
65	Antenna measurements using a hologram CATR. <i>Electronics Letters</i> , 1999 , 35, 757	1.1	7
64	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999 , 47, 1142-1146	4.1	25
63	A high-gain 58-GHz box-horn array antenna with suppressed grating lobes. <i>IEEE Transactions on Antennas and Propagation</i> , 1999 , 47, 1125-1130	4.9	43
62	Planar 64 element millimetre wave antenna. <i>Electronics Letters</i> , 1999 , 35, 253	1.1	2
61	Cryogenic millimeter-wave ring filter for space application. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1998 , 46, 1257-1262	4.1	3
60	Characterization and modeling of step recovery diodes 1998 , 17, 200-205		0
59	A generalized compact 2-D FDTD model for the analysis of guided modes of anisotropic waveguides with arbitrary tensor permittivity 1998 , 18, 17-23		8
58	A large planar 39-GHz antenna array of waveguide-fed horns. <i>IEEE Transactions on Antennas and Propagation</i> , 1998 , 46, 1189-1193	4.9	36

57	Generalized material-independent PML absorbers for the FDTD simulation of electromagnetic waves in arbitrary anisotropic dielectric and magnetic media 1998 , 8, 52-54		25
56	Extension of Berenger's PML absorbing boundary conditions to arbitrary anisotropic magnetic media 1998 , 8, 15-17		6
55	Measurement of a Novel 40 GHz Planar Antenna using Planar Near-field Scanning Techniques and a Hologram CATR 1997 ,		2
54	Performance analysis of a submillimeter wave hologram CATR 1997 ,		1
53	A compact antenna test range based on a hologram. <i>IEEE Transactions on Antennas and Propagation</i> , 1997 , 45, 1270-1276	4-9	57
52	A stable algorithm for modeling lumped circuit source across multiple FDTD cells 1997 , 7, 308-310		7
51	Material independent PML absorbers for arbitrary anisotropic dielectric media. <i>Electronics Letters</i> , 1997 , 33, 1535	1.1	26
50	A frequency doubler for 200 GHz with a planar Schottky varactor. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1997 , 18, 2063-2075		
49	Numerical modeling of a nonuniform grating with FDTD 1997 , 15, 134-139		7
48	Analysis of hybrid modes in channel multilayer optical waveguides with the compact 2-D FDTD method 1997 , 15, 398-403		3
47	Optimization of the Schottky varactor for frequency multiplier applications at submillimeter wavelengths 1996 , 6, 241-242		10
46	Dynamic shape of the depletion layer of a submillimeter-wave Schottky varactor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1996 , 44, 2159-2165	4.1	3
45	Computer-aided design of step recovery diode frequency multipliers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1996 , 44, 2612-2616	4.1	11
44	A 119 GHz planar Schottky diode mixer for a space application. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1996 , 17, 807-818		2
43	Measurement of dielectrics at 100 GHz with an open resonator connected to a network analyzer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1996 , 45, 780-786	5.2	55
42	Application of a simple and efficient source excitation technique to the FDTD analysis of waveguide and microstrip circuits. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1996 , 44, 1535-1539	4.1	45
41	COBRAS/SAMBA: the ESA medium size mission for measurements of CBR anisotropy. <i>Planetary and Space Science</i> , 1995 , 43, 1459-1465	2	11
40	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 948-954	4.1	2

39	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 922-926	4.1	32
38	1995 , 5, 341-343		22
37	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 685-688	4.1	19
36	A 22 GHz receiver with high phase stability for radioastron space-VLBI-mission. <i>Experimental Astronomy</i> , 1994 , 5, 389-404	1.3	
35	A method of moments solution to a three-dimensional whisker structure. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1994 , 15, 671-682		
34	1994 , 4, 101-103		4
33	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1994 , 42, 755-758	4.1	3
32	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1993 , 41, 565-571	4.1	20
31	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1993 , 41, 2232-2236	4.1	8
30	Cooled Cascaded Frequency Multipliers at 1 THz 1992 ,		2
29	. <i>IEEE Transactions on Antennas and Propagation</i> , 1992 , 40, 851-853	4.9	21
28	. <i>IEEE Transactions on Antennas and Propagation</i> , 1992 , 40, 613-619	4.9	17
27	. <i>Proceedings of the IEEE</i> , 1992 , 80, 1842-1852	14.3	84
26	Quantum-limited quasiparticle mixers at 100 GHz 1991 ,		2
25	Reflectivity of absorbers in 100-200 GHz range. <i>Electronics Letters</i> , 1991 , 27, 1699	1.1	7
24	Capability of schottky-diode multipliers as local oscillators at 1 THz. <i>Microwave and Optical Technology Letters</i> , 1991 , 4, 29-33	1.2	10
23	Quantum limited quasiparticle mixers at 100 GHz. <i>IEEE Transactions on Magnetics</i> , 1991 , 27, 3363-3369	2	13
22	. <i>IEEE Transactions on Antennas and Propagation</i> , 1991 , 39, 859-861	4.9	11

21	Reflections in anechoic chambers in 100-200 GHz range. <i>Electronics Letters</i> , 1991 , 27, 1708	1.1	
20	Quantum-limited heterodyne detection of millimeter waves using superconducting tantalum tunnel junctions. <i>Applied Physics Letters</i> , 1990 , 57, 2487-2489	3-4	19
19	High-efficiency Schottky-varactor frequency multipliers for 100 to 1000 GHz. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 1990 , 45, 243-251	2	1
18	Comparison of Higher-Order Multipliers to Cascaded Doublers and Triplers in Submillimeter Signal Generation 1989 ,		2
17	An efficient Schottky-varactor frequency multiplier at millimeter waves. Part III. Quadrupler. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1989 , 10, 475-504		5
16	An efficient Schottky-varactor frequency multiplier at millimeter waves. Part IV. Quintupler. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1989 , 10, 505-518		6
15	An efficient Schottky-varactor frequency multiplier at millimeter waves. Part I: Doubler. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1987 , 8, 1313-1336		22
14	An efficient Schottky-varactor frequency multiplier at millimeter waves. Part II: Tripler. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1987 , 8, 1337-1353		6
13	. <i>IEEE Transactions on Magnetics</i> , 1987 , 23, 688-691	2	5
12	Wide-band low noise MM-wave SIS mixers with a single tuning element. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1986 , 7, 1835-1852		19
11	Variable-temperature loads for use in accurate noise measurements of cryogenically-cooled microwave amplifiers and mixers. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1986 , 7, 543-553		27
10	Efficiency Versus Embedding Impedance Of Millimeter Wave Schottky-Varactor Multipliers 1986 , 0598, 209		1
9	Scaled model measurements of embedding impedances for SIS waveguide mixers. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1985 , 6, 1169-1189		25
8	. <i>IEEE Transactions on Magnetics</i> , 1985 , 21, 212-215	2	17
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6	A Broad-Band, Ultra-Low-Noise Schottky Diode Receiver from 80 to 115 GHz Diode. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1984 , 32, 498-507	4.1	38
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1	Radio-wave beam shaping using holograms		4