

Luqi Zhang

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.

155
papers

1,183
citations

17
h-index

27
g-index

257
ext. papers

1,589
ext. citations

2
avg, IF

3.98
L-index

#	Paper	IF	Citations
155	Broadband-Printed Traveling-Wave Tube Based on a Staggered Rings Microstrip Line Slow-Wave Structure. <i>Electronics (Switzerland)</i> , 2022 , 11, 384	2.6	1
154	Miniature Metamaterial Backward Wave Oscillator With a Coaxial Coupler. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-7	2.9	2
153	Accurate Local Modulation of Graphene Terahertz Metamaterials by Direct Electron Beam Irradiation. <i>Photonics</i> , 2022 , 9, 87	2.2	
152	An Approach to Focus the Sheet Electron Beam in the Planar Microstrip Line Slow Wave Structure. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-7	2.9	
151	Theoretical and Experimental Investigations on Input Couplers for a Double Confocal Gyro-Amplifier. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-6	2.9	
150	Detailed Investigation on Nonstationary Behavior in a Frequency-Tunable Gyrotron. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-7	2.9	0
149	Attempt on Applying Semi-Metallic Supporting Rods to a Wideband Ka-Band Helix TWT. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-8	2.9	
148	Broadband and Integratable 2 D TWT Amplifier Unit for Millimeter Wave Phased Array Radar. <i>Electronics (Switzerland)</i> , 2021 , 10, 2808	2.6	2
147	Electron optical system with integrated PCM for sheet electron beam devices. <i>Physics of Plasmas</i> , 2021 , 28, 123101	2.1	
146	. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 2509-2514	2.9	10
145	Design and Simulation of a 0.23-THz Extended Interaction Amplifier With Trapezoid-Neck Cavities. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 3010-3014	2.9	1
144	Design and Optimization of Axis-Adjustable Multistage Depressed Collector for 0.22-THz Traveling Wave Tubes. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 2996-3002	2.9	1
143	Optimum Design of Electron Gun for 0.22-THz Traveling Wave Tubes. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	
142	A New Method to Focus SEBs Using the Periodic Magnetic Field and the Electrostatic Field. <i>Electronics (Switzerland)</i> , 2021 , 10, 2118	2.6	1
141	Analysis of W-band traveling-wave tube based upon slotted sine waveguide slow wave structure. <i>AIP Advances</i> , 2021 , 11, 125214	1.5	
140	A 340 GHz High-Power Multi-Beam Overmoded Flat-Roofed Sine Waveguide Traveling Wave Tube. <i>Electronics (Switzerland)</i> , 2021 , 10, 3018	2.6	3
139	. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1910-1916	1.3	2

138	Design and Experimental Measurement of Input and Output Couplers for a 618-GHz High-Power Helix Traveling Wave Tube Amplifier. <i>IEEE Transactions on Electron Devices</i> , 2020 , 67, 1826-1831	2.9	2
137	Design and Cold Test of Flat-Roofed Sine Waveguide Circuit for W-Band Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 4021-4028	1.3	5
136	Thermal Analysis of Electron Gun for Terahertz Traveling Wave Tubes Based on L-BFGS Algorithm 2020 ,		1
135	0.2-THz Traveling Wave Tube Based on the Sheet Beam and a Novel Staggered Double Corrugated Waveguide. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 3229-3237	1.3	2
134	Modeling, simulation, and fabrication of electron optic system for application on 105 GHz high-power gyrotron. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2593	1	1
133	One-dimensional nonlinear analysis of sine waveguide traveling-wave tubes. <i>Physics of Plasmas</i> , 2019 , 26, 092301	2.1	1
132	Flexibly Extensible Planar Self-Isolated Wideband MIMO Antenna for 5G Communications. <i>Electronics (Switzerland)</i> , 2019 , 8, 994	2.6	3
131	Terahertz Radiation from Combined Metallic Slit Arrays. <i>Scientific Reports</i> , 2019 , 9, 6804	4.9	5
130	Experimental Verification of the Low Transmission Loss of a Flat-Roofed Sine Waveguide Slow-Wave Structure. <i>IEEE Electron Device Letters</i> , 2019 , 40, 808-811	4.4	22
129	. <i>IEEE Transactions on Plasma Science</i> , 2019 , 47, 2971-2978	1.3	13
128	Stacked dual beam electron optical system for THz integrated wideband traveling wave tube. <i>Physics of Plasmas</i> , 2019 , 26, 063106	2.1	14
127	Study of low voltage angular log-periodic slow wave structure for 340 GHz TWT 2019 ,		3
126	3-D Fast Nonlinear Simulation for BeamWave Interaction of Sheet Beam Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 1504-1511	2.9	4
125	Investigation of Ridge-Loaded Folded Rectangular Groove Waveguide Slow-Wave Structure for High-Power Terahertz TWT. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 2170-2176	2.9	7
124	Dual-band circularly polarised planar monopole antenna for WLAN/Wi-Fi/Bluetooth/WiMAX applications. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 972-976	1.6	8
123	Design of a Cascade Backward-Wave Oscillator Based on Metamaterial Slow-Wave Structure. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 1172-1178	2.9	8
122	Study of a miniaturized dual-beam TWT with planar dielectric-rods-support uniform metallic meander line. <i>Physics of Plasmas</i> , 2018 , 25, 063113	2.1	4
121	High frequency characteristics of a metamaterial slow wave structure 2018 ,		2

120	Study on the ridge loaded azimuthal supported angular log-periodic strip meander line slow wave structure 2018 ,		4
119	Investigation of low voltage angular log-periodic folded groove waveguide slow wave structure for G-band TWT 2018 ,		3
118	Study on single radial sheet beam azimuthal support angular log- periodic strip line Travelling Wave Tube 2018 ,		5
117	Angular log-periodic meander line traveling wave tube based on quartz substrate 2018 ,		4
116	Study for 850 GHz sheet beam staggered double-vane traveling wave tube considering the metal loss 2018 ,		1
115	Mutual Coupling Reduction between Patch Antennas Using Meander Line. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-7	1.2	12
114	Design of a 340GHz phase-velocity-taper travelling wave tube. <i>Journal of Engineering</i> , 2018 , 2018, 673-677		
113	Study on plasma-photonic-crystal-like beamplasma system. <i>Journal of Engineering</i> , 2018 , 2018, 669-672	0.7	
112	Study on W-Band 2.8kW Sheet-Beam Three-Slot Staggered-Ladder Coupled-Cavity Traveling-Wave Tube. <i>Recent Advances in Electrical and Electronic Engineering</i> , 2018 , 11, 203-210	0.3	
111	Design of a Small and Compact Monopole Ultra Wideband Antenna 2018 ,		2
110	0.85 THz truncated sine waveguide traveling-wave tube with sheet beam tunnel. <i>Journal of Engineering</i> , 2018 , 2018, 665-668	0.7	3
109	Design of W-band sheet beam travelling wave tubes based on staggered double vane slow wave structure. <i>Journal of Engineering</i> , 2018 , 2018, 698-703	0.7	3
108	Linear analysis of traveling sheet electron beam in sine waveguide tubes. <i>Journal of Applied Physics</i> , 2018 , 124, 133301	2.5	8
107	Microstrip angular log-periodic slow wave structure on quartz substrate with coaxial input/output coupler. <i>Journal of Engineering</i> , 2018 , 2018, 692-697	0.7	2
106	Study on W-band sheet-beam traveling-wave tube based on flat-roofed sine waveguide. <i>AIP Advances</i> , 2018 , 8, 055116	1.5	14
105	Design and cold test of period-tapered double-ridge-loaded folded waveguide slow wave structure for Ka band TWTs. <i>AIP Advances</i> , 2018 , 8, 055105	1.5	4
104	Development of a 140-GHz folded-waveguide traveling-wave tube in a relatively larger circular electron beam tunnel. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1914-1923	1.3	7
103	Study on Radial Sheet Beam Electron Optical System for Miniature Low-Voltage Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 3405-3412	2.9	10

102	A Forward-Wave Oscillator Based on Folded-Waveguide Slow-Wave Structure. <i>IEEE Transactions on Plasma Science</i> , 2017 , 45, 24-29	1.3	1
101	Compact wideband MIMO antenna for 5G communication 2017 ,		3
100	A dielectric-embedded microstrip meander line slow-wave structure for miniaturized traveling wave tube. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1938-1946	1.3	8
99	Full-wave analysis of the high frequency characteristics of the sine waveguide slow-wave structure. <i>AIP Advances</i> , 2017 , 7, 085111	1.5	5
98	Study on Ka-band sheet-beam, three-slot-staggered-ladder coupled-cavity traveling-wave tube in a small tunable periodic cusped magnet. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1924-1937 ³	1.3	3
97	Investigation of a large power water-cooled microwave resonance window for application with the ECR ion source. <i>Physics of Plasmas</i> , 2017 , 24, 063305	2.1	
96	Design of a two-stage Ka-band relativistic sheet electron beam traveling wave tube 2017 ,		1
95	Large power microwave nonlinear effects on multifunction amplifier chip for Ka-band T/R module of phased array radar. <i>AIP Advances</i> , 2017 , 7, 125226	1.5	1
94	Investigation on Sheet Beam Folded V-Shape Groove Waveguide for Millimeter-Wave TWT. <i>IEEE Transactions on Plasma Science</i> , 2016 , 44, 1363-1368	1.3	8
93	A Ridge-Loaded Sine Waveguide for $\text{\$G\}$ -Band Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2016 , 44, 2832-2837	1.3	20
92	2-dimensional microstrip meander-line for broad band planar TWTs 2016 ,		2
91	Simulation of Rectangular Helix Slow-Wave Structure for 140 GHz Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2016 , 44, 1069-1074	1.3	3
90	Preliminary Design and Experiment of a Ridge-Loaded Staggered Single-Slot Rectangular Coupled-Cavity Structure for $\text{\$X\}$ -Band Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2016 , 44, 587-593	1.3	1
89	A High-Power Single Rectangular Grating Sheet Electron Beam Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 3262-3269	2.9	6
88	Investigation of 0.38 THz backward-wave oscillator based on slotted sine waveguide and pencil electron beam. <i>Physics of Plasmas</i> , 2016 , 23, 033111	2.1	7
87	Study on phase velocity tapered microstrip angular log-periodic meander line travelling wave tube. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 902-907	1.6	14
86	Study of the Symmetrical Microstrip Angular Log-Periodic Meander-Line Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2016 , 44, 1787-1793	1.3	14
85	Design of a two-stage, two-sheet-beam 220-GHz, 70-kW planar relativistic traveling-wave tube. <i>Journal of Electromagnetic Waves and Applications</i> , 2016 , 30, 1858-1868	1.3	2

84	A Novel Method to Obtain the Slow-Wave Dispersion Characteristics of Slow-Wave Structures. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016 , 37, 1055-1060	2.2	
83	A Study of the Effects of Helix Misalignment on the Cold Parameters of a Sheath Helix Slow-Wave Structure. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 1334-1341	2.9	1
82	Dispersion Equations of a Rectangular Tape Helix Slow-Wave Structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1445-1456	4.1	10
81	A V-band folded waveguide TWT 2015 ,		2
80	A Research of 140-GHz Folded Rectangular Groove Waveguide Traveling-Wave Tube. <i>Chinese Journal of Electronics</i> , 2015 , 24, 873-876	0.9	0
79	An arbitrary staggered multi-vane traveling wave tube driven by double sheet electron beams 2015 ,		2
78	Analysis and Simulation of a Multigap Sheet Beam Extended Interaction Relativistic Klystron Amplifier. <i>IEEE Transactions on Plasma Science</i> , 2015 , 43, 1862-1870	1.3	10
77	A D-band backward-wave oscillator based on quasi-parallel-plate slow-wave structure 2015 ,		3
76	Ka-band traveling wave tube driving by relativistic sheet electron beam 2015 ,		1
75	A Novel Folded Waveguide for V-Band TWT. <i>IEEE Transactions on Plasma Science</i> , 2015 , 43, 4088-4091	1.3	6
74	A 0.22 THz sine waveguide traveling-wave tube 2015 ,		2
73	Theoretical and Experimental Research on a Novel Small Tunable PCM System in Staggered Double Vane TWT. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 4258-4264	2.9	22
72	Investigation of Double-groove Loaded Folded-Waveguide Slow-wave Structure for Millimeter Traveling-wave Tubes. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2014 , 35, 288-299	2.2	2
71	A 1-kW 32B4-GHz Folded Waveguide Traveling Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 8-12	1.3	5
70	A Modified Slow-Wave Structure for Backward-Wave Oscillator Design in THz Band. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014 , 4, 741-748	3.4	9
69	Novel W-Band Ridge-Loaded Folded Waveguide Traveling Wave Tube. <i>IEEE Electron Device Letters</i> , 2014 , 35, 1058-1060	4.4	12
68	Study of the Slow-Wave Properties of a Rectangular Groove-Loaded Folded Waveguide for Millimeter Traveling-Wave Tubes. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 55-61	1.3	2
67	Study of Low- Voltage Radial Convergent Sheet Electron Optical System. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 1847-1853	1.3	9

66	A theoretical framework for quantum image representation and data loading scheme. <i>Science China Information Sciences</i> , 2014 , 57, 1-11	3.4	5
65	Study of High-Power Ka-Band Rectangular Double-Grating Sheet Beam BWO. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 1502-1508	1.3	14
64	Beam-wave interaction study on a novel Ka-band ring-shaped microstrip meander-line slow wave structure 2014 ,		3
63	Study on Wideband Sheet Beam Traveling Wave Tube Based on Staggered Double Vane Slow Wave Structure. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 3996-4003	1.3	43
62	Study of a Log-Periodic Slow Wave Structure for Ka-band Radial Sheet Beam Traveling Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2013 , 41, 2277-2282	1.3	31
61	Sheet electron beam formation and transport in the uniform magnetic field 2013 ,		2
60	Analysis of 140 gigahertz folded frame travelling wave tube. <i>Physics of Plasmas</i> , 2013 , 20, 103118	2.1	1
59	A novel angular log-periodic micro-strip meander-line slow wave structure for low-voltage and wideband traveling wave tube 2013 ,		2
58	A Novel Winding Microstrip Meander-Line Slow-Wave Structure for V-Band TWT. <i>IEEE Electron Device Letters</i> , 2013 , 34, 1325-1327	4.4	10
57	High-Power Tunable Terahertz Radiation by High-Order Harmonic Generation. <i>IEEE Transactions on Electron Devices</i> , 2013 , 60, 482-486	2.9	16
56	A Novel Ridge-Vane-Loaded Folded-Waveguide Slow-Wave Structure for 0.22-THz Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2013 , 60, 1228-1235	2.9	25
55	Nonlinear investigation of beam-wave interaction in double-groove loaded folded-waveguide traveling-wave tube. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 1366-1372	3.6	
54	Generation of high-power tunable terahertz-radiation by nonrelativistic beam-echo harmonic effect. <i>Physics of Plasmas</i> , 2013 , 20, 013303	2.1	2
53	W-Band 1-kW Staggered Double-Vane Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2012 , 59, 496-503	2.9	58
52	A Novel Slow-Wave Structure Folded Rectangular Groove Waveguide for Millimeter-Wave TWT. <i>IEEE Transactions on Electron Devices</i> , 2012 , 59, 510-515	2.9	14
51	A Tapered Ridge-loaded Folded Waveguide Slow-wave Structure for Millimeter-wave Traveling-wave Tube. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012 , 33, 131-140	2.2	9
50	A Method to Calculate Output Power for Sheet-Beam Traveling-Wave Amplifiers. <i>IEEE Transactions on Electron Devices</i> , 2012 , 59, 3630-3634	2.9	5
49	Study on the Radial-Sheet-Beam Electron Optical System. <i>IEEE Transactions on Plasma Science</i> , 2012 , 40, 3442-3448	1.3	13

48	U-shaped microstrip meander-line slow-wave structure for Ka-band traveling-wave tube 2012,		3
47	A Novel V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-band MMPM. <i>IEEE Transactions on Plasma Science</i> , 2012 , 40, 463-469	1.3	60
46	Rhombus-shaped microstrip meander-line slow-wave structure for 140 GHz traveling-wave tube 2012,		1
45	Symmetric Double V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-Band Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2012 , 59, 1551-1557	2.9	38
44	Simulation of a 94GHz radial spiral waveguide TWT 2012,		1
43	A watt-class 1-THz backward-wave oscillator based on sine waveguide. <i>Physics of Plasmas</i> , 2012 , 19, 013113	1.3	42
42	A novel helical slow-wave structure for millimeter-wave traveling-wave tube 2012,		1
41	A 140 GHz staggered double vane backward wave oscillator 2012,		3
40	Propagation properties of an elliptical anisotropic metamaterial cylinder. <i>Journal of Modern Optics</i> , 2012 , 59, 778-783	1.1	
39	Recent advancements in sine waveguide for terahertz vacuum electron devices 2012,		3
38	A 140-GHz Two-Beam Overmoded Folded-Waveguide Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , 2011 , 39, 847-851	1.3	43
37	Investigation on a W Band Ridge-Loaded Folded Waveguide TWT. <i>IEEE Transactions on Plasma Science</i> , 2011 , 39, 1660-1664	1.3	11
36	Linear Analysis of Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. <i>IEEE Transactions on Plasma Science</i> , 2011 , 39, 1673-1679	1.3	2
35	Suppression of In-Band Power Holes in Helix Traveling-Wave Tubes. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 1556-1561	2.9	12
34	Sine Waveguide for 0.22-THz Traveling-Wave Tube. <i>IEEE Electron Device Letters</i> , 2011 , 32, 1152-1154	4.4	59
33	A 140-GHz sheet electron beam sine waveguide traveling-wave tube 2011,		3
32	Virtual boundary element method for multistage depressed collector of traveling-wave tubes. <i>Physics of Plasmas</i> , 2011 , 18, 043106	2.1	0
31	Stable Sheet-Beam Transport in Periodic Nonsymmetric Quadrupole Field. <i>IEEE Transactions on Plasma Science</i> , 2010 , 38, 32-38	1.3	14

30	A Rectangular Groove-Loaded Folded Waveguide for Millimeter-Wave Traveling-Wave Tubes. <i>IEEE Transactions on Plasma Science</i> , 2010 , 38, 1574-1578	1.3	23
29	. <i>IEEE Transactions on Electron Devices</i> , 2010 , 57, 1137-1145	2.9	16
28	Investigation of the Slow-Wave Properties of a Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. <i>IEEE Transactions on Electron Devices</i> , 2010 , 57, 2019-2026	2.9	5
27	Investigation of the Dielectric-Loaded Folded Waveguide Traveling-Wave Tube Amplifier. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009 , 30, 1027-1037	2.2	4
26	Dispersion Characteristics of a Rectangular Helix Slow-Wave Structure. <i>IEEE Transactions on Electron Devices</i> , 2008 , 55, 3582-3589	2.9	28
25	Investigation into the Effect of Dielectric Loss on RF Characteristics of Helical SWS. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2008 , 29, 23-34		2
24	Approach to a Coaxial Arbitrary-Shaped Groove Cylindrical Waveguide for Application in Wideband Gyro-TWTs. <i>IEEE Transactions on Plasma Science</i> , 2007 , 35, 551-558	1.3	4
23	Study of Corrugated Elliptical Waveguides for Slow-Wave Structures. <i>IEEE Transactions on Electron Devices</i> , 2007 , 54, 151-156	2.9	14
22	DIELECTRIC EFFECT ON THE RADIO-FREQUENCY CHARACTERISTICS OF A RECTANGULAR WAVEGUIDE GRATING TRAVELING WAVE TUBE. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007 , 27, 1095-1108		1
21	Analysis of Elliptical Thin Ridged Waveguide. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007 , 28, 733-739		1
20	The Small Signal Analysis of a Centered Dielectric-Rod Loaded, Arbitrarily-Shaped Helical Groove Traveling-Wave-Tube. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007 , 28, 1051-1062		4
19	Study on rectangular waveguide grating Slow-Wave Structure with cosine-shaped grooves. <i>Journal of Electronics</i> , 2007 , 24, 384-389		1
18	Impact of attenuator models on computed traveling wave tube performances. <i>Physics of Plasmas</i> , 2007 , 14, 093103	2.1	8
17	Linear theory of the electron beam-wave-plasma interactions in a magnetized plasma waveguide. <i>Journal of Applied Physics</i> , 2007 , 101, 053309	2.5	5
16	Analysis of Elliptical Ridged Waveguide 2006 ,		3
15	Dispersion Characteristics of Coaxial Circular-Arc-Groove Slow-Wave Structure. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 107-116		
14	Wave Properties of A Free Elliptical Helix Slow-Wave Structure with Arbitrary Eccentricity. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 1473-1489		
13	Analysis of the Dispersion Characteristic and Interaction Impedance of a Tape Helix Slow Wave Structure with Novel Supporting Mode. <i>International Journal of Electronics</i> , 2004 , 91, 309-318	1.2	7

12	Effect of attenuation on backward-wave oscillation start oscillation condition. <i>IEEE Transactions on Plasma Science</i> , 2004 , 32, 2184-2188	1.3	16
11	Review of the Novel Slow-Wave Structures for High-Power Traveling-Wave Tube. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2003 , 24, 1469-1484		22
10	Experimental demonstration of the effect of groove shape on the wave properties of the helical groove waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , 2003 , 13, 484-486	2.6	4
9	Analysis of the coaxial helical-groove slow-wave structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002 , 50, 191-200	4.1	5
8	The Linear Analysis of Coaxial Helical-Groove Slow-Wave Structure. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2001 , 22, 1503-1509		
7	Investigation of the Dielectric-Loaded, Ridged Helical Groove Slow-Wave System for the Millimeter Wave TWT. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2001 , 22, 737-756		1
6	An approach to the analysis of arbitrarily shaped helical groove waveguides 2000 , 10, 4-6		17
5	Wave Propagation Along a Helical Step-Loaded Groove Waveguide. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1999 , 20, 1581-1592		
4	Investigation of the Half-Circular Helical Groove Slow-Wave Structure. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1998 , 19, 1089-1101		2
3	Study of the ridge-loaded helical-groove slow-wave structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997 , 45, 1689-1695	4.1	19
2	Computation for the gain of ridge loaded ring-plane traveling wave tube. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1997 , 18, 2205-2217		
1	Study on microwave excited by virtual cathode oscillation in cavity. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1996 , 17, 1219-1225		