

# Luqi Zhang

## List of Publications by Citations

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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	A Novel V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-band MMPM. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 463-469	1.3	60
154	Sine Waveguide for 0.22-THz Traveling-Wave Tube. <i>IEEE Electron Device Letters</i> , <b>2011</b> , 32, 1152-1154	4.4	59
153	W-Band 1-kW Staggered Double-Vane Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 496-503	2.9	58
152	Study on Wideband Sheet Beam Traveling Wave Tube Based on Staggered Double Vane Slow Wave Structure. <i>IEEE Transactions on Plasma Science</i> , <b>2014</b> , 42, 3996-4003	1.3	43
151	A 140-GHz Two-Beam Overmoded Folded-Waveguide Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2011</b> , 39, 847-851	1.3	43
150	A watt-class 1-THz backward-wave oscillator based on sine waveguide. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 013113	1.3	42
149	Symmetric Double V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-Band Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 1551-1557	2.9	38
148	Study of a Log-Periodic Slow Wave Structure for Ka-band Radial Sheet Beam Traveling Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2013</b> , 41, 2277-2282	1.3	31
147	Dispersion Characteristics of a Rectangular Helix Slow-Wave Structure. <i>IEEE Transactions on Electron Devices</i> , <b>2008</b> , 55, 3582-3589	2.9	28
146	A Novel Ridge-Vane-Loaded Folded-Waveguide Slow-Wave Structure for 0.22-THz Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , <b>2013</b> , 60, 1228-1235	2.9	25
145	A Rectangular Groove-Loaded Folded Waveguide for Millimeter-Wave Traveling-Wave Tubes. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 1574-1578	1.3	23
144	Experimental Verification of the Low Transmission Loss of a Flat-Roofed Sine Waveguide Slow-Wave Structure. <i>IEEE Electron Device Letters</i> , <b>2019</b> , 40, 808-811	4.4	22
143	Theoretical and Experimental Research on a Novel Small Tunable PCM System in Staggered Double Vane TWT. <i>IEEE Transactions on Electron Devices</i> , <b>2015</b> , 62, 4258-4264	2.9	22
142	Review of the Novel Slow-Wave Structures for High-Power Traveling-Wave Tube. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2003</b> , 24, 1469-1484		22
141	A Ridge-Loaded Sine Waveguide for S-Band Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2016</b> , 44, 2832-2837	1.3	20
140	Study of the ridge-loaded helical-groove slow-wave structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>1997</b> , 45, 1689-1695	4.1	19
139	An approach to the analysis of arbitrarily shaped helical groove waveguides <b>2000</b> , 10, 4-6		17

138	High-Power Tunable Terahertz Radiation by High-Order Harmonic Generation. <i>IEEE Transactions on Electron Devices</i> , <b>2013</b> , 60, 482-486	2.9	16
137	. <i>IEEE Transactions on Electron Devices</i> , <b>2010</b> , 57, 1137-1145	2.9	16
136	Effect of attenuation on backward-wave oscillation start oscillation condition. <i>IEEE Transactions on Plasma Science</i> , <b>2004</b> , 32, 2184-2188	1.3	16
135	Stacked dual beam electron optical system for THz integrated wideband traveling wave tube. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 063106	2.1	14
134	Study of High-Power Ka-Band Rectangular Double-Grating Sheet Beam BWO. <i>IEEE Transactions on Plasma Science</i> , <b>2014</b> , 42, 1502-1508	1.3	14
133	A Novel Slow-Wave Structure Folded Rectangular Groove Waveguide for Millimeter-Wave TWT. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 510-515	2.9	14
132	Stable Sheet-Beam Transport in Periodic Nonsymmetric Quadrupole Field. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 32-38	1.3	14
131	Study of Corrugated Elliptical Waveguides for Slow-Wave Structures. <i>IEEE Transactions on Electron Devices</i> , <b>2007</b> , 54, 151-156	2.9	14
130	Study on phase velocity tapered microstrip angular log-periodic meander line travelling wave tube. <i>IET Microwaves, Antennas and Propagation</i> , <b>2016</b> , 10, 902-907	1.6	14
129	Study of the Symmetrical Microstrip Angular Log-Periodic Meander-Line Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2016</b> , 44, 1787-1793	1.3	14
128	Study on W-band sheet-beam traveling-wave tube based on flat-roofed sine waveguide. <i>AIP Advances</i> , <b>2018</b> , 8, 055116	1.5	14
127	. <i>IEEE Transactions on Plasma Science</i> , <b>2019</b> , 47, 2971-2978	1.3	13
126	Study on the Radial-Sheet-Beam Electron Optical System. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 3442-3448	1.3	13
125	Mutual Coupling Reduction between Patch Antennas Using Meander Line. <i>International Journal of Antennas and Propagation</i> , <b>2018</b> , 2018, 1-7	1.2	12
124	Novel W-Band Ridge-Loaded Folded Waveguide Traveling Wave Tube. <i>IEEE Electron Device Letters</i> , <b>2014</b> , 35, 1058-1060	4.4	12
123	Suppression of In-Band Power Holes in Helix Traveling-Wave Tubes. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 1556-1561	2.9	12
122	Investigation on a W Band Ridge-Loaded Folded Waveguide TWT. <i>IEEE Transactions on Plasma Science</i> , <b>2011</b> , 39, 1660-1664	1.3	11
121	Study on Radial Sheet Beam Electron Optical System for Miniature Low-Voltage Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , <b>2017</b> , 64, 3405-3412	2.9	10

120	Dispersion Equations of a Rectangular Tape Helix Slow-Wave Structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2015</b> , 63, 1445-1456	4.1	10
119	A Novel Winding Microstrip Meander-Line Slow-Wave Structure for V-Band TWT. <i>IEEE Electron Device Letters</i> , <b>2013</b> , 34, 1325-1327	4.4	10
118	Analysis and Simulation of a Multigap Sheet Beam Extended Interaction Relativistic Klystron Amplifier. <i>IEEE Transactions on Plasma Science</i> , <b>2015</b> , 43, 1862-1870	1.3	10
117	. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 2509-2514	2.9	10
116	A Modified Slow-Wave Structure for Backward-Wave Oscillator Design in THz Band. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2014</b> , 4, 741-748	3.4	9
115	Study of Low- Voltage Radial Convergent Sheet Electron Optical System. <i>IEEE Transactions on Plasma Science</i> , <b>2014</b> , 42, 1847-1853	1.3	9
114	A Tapered Ridge-loaded Folded Waveguide Slow-wave Structure for Millimeter-wave Traveling-wave Tube. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2012</b> , 33, 131-140	2.2	9
113	Dual-band circularly polarised planar monopole antenna for WLAN/Wi-Fi/Bluetooth/WiMAX applications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 972-976	1.6	8
112	Design of a Cascade Backward-Wave Oscillator Based on Metamaterial Slow-Wave Structure. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 1172-1178	2.9	8
111	Investigation on Sheet Beam Folded V-Shape Groove Waveguide for Millimeter-Wave TWT. <i>IEEE Transactions on Plasma Science</i> , <b>2016</b> , 44, 1363-1368	1.3	8
110	A dielectric-embedded microstrip meander line slow-wave structure for miniaturized traveling wave tube. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 1938-1946	1.3	8
109	Impact of attenuator models on computed traveling wave tube performances. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 093103	2.1	8
108	Linear analysis of traveling sheet electron beam in sine waveguide tubes. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 133301	2.5	8
107	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> , <b>2017</b> , 31, 1914-1923	1.3	7
106	Investigation of Ridge-Loaded Folded Rectangular Groove Waveguide Slow-Wave Structure for High-Power Terahertz TWT. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 2170-2176	2.9	7
105	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> , <b>2004</b> , 91, 309-318	1.2	7
104	Investigation of 0.38 THz backward-wave oscillator based on slotted sine waveguide and pencil electron beam. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 033111	2.1	7
103	A Novel Folded Waveguide for V-Band TWT. <i>IEEE Transactions on Plasma Science</i> , <b>2015</b> , 43, 4088-4091	1.3	6

102	A High-Power Single Rectangular Grating Sheet Electron Beam Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , <b>2016</b> , 63, 3262-3269	2.9	6
101	Terahertz Radiation from Combined Metallic Slit Arrays. <i>Scientific Reports</i> , <b>2019</b> , 9, 6804	4.9	5
100	Study on single radial sheet beam azimuthal support angular log- periodic strip line Travelling Wave Tube <b>2018</b> ,		5
99	A 1-kW 32B4-GHz Folded Waveguide Traveling Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2014</b> , 42, 8-12	1.3	5
98	A theoretical framework for quantum image representation and data loading scheme. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-11	3.4	5
97	Full-wave analysis of the high frequency characteristics of the sine waveguide slow-wave structure. <i>AIP Advances</i> , <b>2017</b> , 7, 085111	1.5	5
96	A Method to Calculate Output Power for Sheet-Beam Traveling-Wave Amplifiers. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 3630-3634	2.9	5
95	Investigation of the Slow-Wave Properties of a Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. <i>IEEE Transactions on Electron Devices</i> , <b>2010</b> , 57, 2019-2026	2.9	5
94	Linear theory of the electron beam-wave-plasma interactions in a magnetized plasma waveguide. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 053309	2.5	5
93	Analysis of the coaxial helical-groove slow-wave structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2002</b> , 50, 191-200	4.1	5
92	Design and Cold Test of Flat-Roofed Sine Waveguide Circuit for W-Band Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 4021-4028	1.3	5
91	Study of a miniaturized dual-beam TWT with planar dielectric-rods-support uniform metallic meander line. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 063113	2.1	4
90	Study on the ridge loaded azimuthal supported angular log-periodic strip meander line slow wave structure <b>2018</b> ,		4
89	Angular log-periodic meander line traveling wave tube based on quartz substrate <b>2018</b> ,		4
88	Investigation of the Dielectric-Loaded Folded Waveguide Traveling-Wave Tube Amplifier. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2009</b> , 30, 1027-1037	2.2	4
87	Approach to a Coaxial Arbitrary-Shaped Groove Cylindrical Waveguide for Application in Wideband Gyro-TWTs. <i>IEEE Transactions on Plasma Science</i> , <b>2007</b> , 35, 551-558	1.3	4
86	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> , <b>2007</b> , 28, 1051-1062		4
85	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> , <b>2003</b> , 13, 484-486	2.6	4

84	3-D Fast Nonlinear Simulation for Beam-Wave Interaction of Sheet Beam Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 1504-1511	2.9	4
83	Design and cold test of period-tapered double-ridge-loaded folded waveguide slow wave structure for Ka band TWTs. <i>AIP Advances</i> , <b>2018</b> , 8, 055105	1.5	4
82	Compact wideband MIMO antenna for 5G communication <b>2017</b> ,		3
81	Flexibly Extensible Planar Self-Isolated Wideband MIMO Antenna for 5G Communications. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 994	2.6	3
80	Simulation of Rectangular Helix Slow-Wave Structure for 140 GHz Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2016</b> , 44, 1069-1074	1.3	3
79	Investigation of low voltage angular log-periodic folded groove waveguide slow wave structure for G-band TWT <b>2018</b> ,		3
78	Study of low voltage angular log-periodic slow wave structure for 340 GHz TWT <b>2019</b> ,		3
77	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> , <b>2017</b> , 31, 1924-1937 <sup>3</sup>	1.3	3
76	A D-band backward-wave oscillator based on quasi-parallel-plate slow-wave structure <b>2015</b> ,		3
75	Beam-wave interaction study on a novel Ka-band ring-shaped microstrip meander-line slow wave structure <b>2014</b> ,		3
74	U-shaped microstrip meander-line slow-wave structure for Ka-band traveling-wave tube <b>2012</b> ,		3
73	A 140-GHz sheet electron beam sine waveguide traveling-wave tube <b>2011</b> ,		3
72	A 140 GHz staggered double vane backward wave oscillator <b>2012</b> ,		3
71	Recent advancements in sine waveguide for terahertz vacuum electron devices <b>2012</b> ,		3
70	Analysis of Elliptical Ridged Waveguide <b>2006</b> ,		3
69	0.85 THz truncated sine waveguide traveling-wave tube with sheet beam tunnel. <i>Journal of Engineering</i> , <b>2018</b> , 2018, 665-668	0.7	3
68	Design of W-band sheet beam travelling wave tubes based on staggered double vane slow wave structure. <i>Journal of Engineering</i> , <b>2018</b> , 2018, 698-703	0.7	3
67	A 340 GHz High-Power Multi-Beam Overmoded Flat-Roofed Sine Waveguide Traveling Wave Tube. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 3018	2.6	3

66	. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 1910-1916	1.3	2
65	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> , <b>2020</b> , 67, 1826-1831	2.9	2
64	2-dimensional microstrip meander-line for broad band planar TWTs <b>2016</b> ,		2
63	High frequency characteristics of a metamaterial slow wave structure <b>2018</b> ,		2
62	Investigation of Double-groove Loaded Folded-Waveguide Slow-wave Structure for Millimeter Traveling-wave Tubes. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2014</b> , 35, 288-299	2.2	2
61	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> , <b>2014</b> , 42, 55-61	1.3	2
60	Sheet electron beam formation and transport in the uniform magnetic field <b>2013</b> ,		2
59	A novel angular log-periodic micro-strip meander-line slow wave structure for low-voltage and wideband traveling wave tube <b>2013</b> ,		2
58	A V-band folded waveguide TWT <b>2015</b> ,		2
57	An arbitrary staggered multi-vane traveling wave tube driven by double sheet electron beams <b>2015</b> ,		2
56	A 0.22 THz sine waveguide traveling-wave tube <b>2015</b> ,		2
55	Generation of high-power tunable terahertz-radiation by nonrelativistic beam-echo harmonic effect. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 013303	2.1	2
54	Linear Analysis of Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. <i>IEEE Transactions on Plasma Science</i> , <b>2011</b> , 39, 1673-1679	1.3	2
53	Investigation of the Half-Circular Helical Groove Slow-Wave Structure. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>1998</b> , 19, 1089-1101		2
52	Investigation into the Effect of Dielectric Loss on RF Characteristics of Helical SWS. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2008</b> , 29, 23-34		2
51	Miniature Metamaterial Backward Wave Oscillator With a Coaxial Coupler. <i>IEEE Transactions on Electron Devices</i> , <b>2022</b> , 1-7	2.9	2
50	Broadband and Integratable 2 D TWT Amplifier Unit for Millimeter Wave Phased Array Radar. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2808	2.6	2
49	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> , <b>2020</b> , 48, 3229-3237	1.3	2

48	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> , <b>2016</b> , 30, 1858-1868	1.3	2
47	Design of a Small and Compact Monopole Ultra Wideband Antenna <b>2018</b> ,		2
46	Microstrip angular log-periodic slow wave structure on quartz substrate with coaxial input/output coupler. <i>Journal of Engineering</i> , <b>2018</b> , 2018, 692-697	0.7	2
45	A Forward-Wave Oscillator Based on Folded-Waveguide Slow-Wave Structure. <i>IEEE Transactions on Plasma Science</i> , <b>2017</b> , 45, 24-29	1.3	1
44	One-dimensional nonlinear analysis of sine waveguide traveling-wave tubes. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 092301	2.1	1
43	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> , <b>2015</b> , 62, 1334-1341	2.9	1
42	Preliminary Design and Experiment of a Ridge-Loaded Staggered Single-Slot Rectangular Coupled-Cavity Structure for $X$ -Band Traveling-Wave Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2016</b> , 44, 587-593	1.3	1
41	Study for 850 GHz sheet beam staggered double-vane traveling wave tube considering the metal loss <b>2018</b> ,		1
40	Analysis of 140 gigahertz folded frame travelling wave tube. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 103118	2.1	1
39	Design of a two-stage Ka-band relativistic sheet electron beam traveling wave tube <b>2017</b> ,		1
38	Large power microwave nonlinear effects on multifunction amplifier chip for Ka-band T/R module of phased array radar. <i>AIP Advances</i> , <b>2017</b> , 7, 125226	1.5	1
37	Ka-band traveling wave tube driving by relativistic sheet electron beam <b>2015</b> ,		1
36	Rhombus-shaped microstrip meander-line slow-wave structure for 140 GHz traveling-wave tube <b>2012</b> ,		1
35	Simulation of a 94GHz radial spiral waveguide TWT <b>2012</b> ,		1
34	A novel helical slow-wave structure for millimeter-wave traveling-wave tube <b>2012</b> ,		1
33	DIELECTRIC EFFECT ON THE RADIO-FREQUENCY CHARACTERISTICS OF A RECTANGULAR WAVEGUIDE GRATING TRAVELING WAVE TUBE. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2007</b> , 27, 1095-1108		1
32	Analysis of Elliptical Thin Ridged Waveguide. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2007</b> , 28, 733-739		1
31	Study on rectangular waveguide grating Slow-Wave Structure with cosine-shaped grooves. <i>Journal of Electronics</i> , <b>2007</b> , 24, 384-389		1



30	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> , <b>2001</b> , 22, 737-756		1
29	Broadband-Printed Traveling-Wave Tube Based on a Staggered Rings Microstrip Line Slow-Wave Structure. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 384	2.6	1
28	Thermal Analysis of Electron Gun for Terahertz Traveling Wave Tubes Based on L-BFGS Algorithm <b>2020</b> ,		1
27	Design and Simulation of a 0.23-THz Extended Interaction Amplifier With Trapezoid-Neck Cavities. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 3010-3014	2.9	1
26	Design and Optimization of Axis-Adjustable Multistage Depressed Collector for 0.22-THz Traveling Wave Tubes. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 2996-3002	2.9	1
25	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> , <b>2020</b> , 33, e2593	1	1
24	A New Method to Focus SEBs Using the Periodic Magnetic Field and the Electrostatic Field. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2118	2.6	1
23	A Research of 140-GHz Folded Rectangular Groove Waveguide Traveling-Wave Tube. <i>Chinese Journal of Electronics</i> , <b>2015</b> , 24, 873-876	0.9	0
22	Virtual boundary element method for multistage depressed collector of traveling-wave tubes. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 043106	2.1	0
21	Detailed Investigation on Nonstationary Behavior in a Frequency-Tunable Gyrotron. <i>IEEE Transactions on Electron Devices</i> , <b>2022</b> , 1-7	2.9	0
20	Design of a 340GHz phase-velocity-taper travelling wave tube. <i>Journal of Engineering</i> , <b>2018</b> , 2018, 673-677		0.7
19	Study on plasma-photonic-crystal-like beamplasma system. <i>Journal of Engineering</i> , <b>2018</b> , 2018, 669-672		0.7
18	Investigation of a large power water-cooled microwave resonance window for application with the ECR ion source. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 063305	2.1	
17	Nonlinear investigation of beam-wave interaction in double-groove loaded folded-waveguide traveling-wave tube. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2013</b> , 56, 1366-1372	3.6	
16	Propagation properties of an elliptical anisotropic metamaterial cylinder. <i>Journal of Modern Optics</i> , <b>2012</b> , 59, 778-783	1.1	
15	Computation for the gain of ridge loaded ring-plane traveling wave tube. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>1997</b> , 18, 2205-2217		
14	Dispersion Characteristics of Coaxial Circular-Arc-Groove Slow-Wave Structure. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2005</b> , 26, 107-116		
13	Wave Properties of A Free Elliptical Helix Slow-Wave Structure with Arbitrary Eccentricity. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2005</b> , 26, 1473-1489		

- 12 The Linear Analysis of Coaxial Helical-Groove Slow-Wave Structure. *Journal of Infrared, Millimeter and Terahertz Waves*, **2001**, 22, 1503-1509
- 11 Wave Propagation Along a Helical Step-Loaded Groove Waveguide. *Journal of Infrared, Millimeter and Terahertz Waves*, **1999**, 20, 1581-1592
- 10 Study on microwave excited by virtual cathode oscillation in cavity. *Journal of Infrared, Millimeter and Terahertz Waves*, **1996**, 17, 1219-1225
- 9 Accurate Local Modulation of Graphene Terahertz Metamaterials by Direct Electron Beam Irradiation. *Photonics*, **2022**, 9, 87 2.2
- 8 Electron optical system with integrated PCM for sheet electron beam devices. *Physics of Plasmas*, **2021**, 28, 123101 2.1
- 7 Study on W-Band 2.8kW Sheet-Beam Three-Slot Staggered-Ladder Coupled-Cavity Traveling-Wave Tube. *Recent Advances in Electrical and Electronic Engineering*, **2018**, 11, 203-210 0.3
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