

Lingna Yue

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A 140-GHz Two-Beam Overmoded Folded-Waveguide Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2011, 39, 847-851.	0.6	61
2	Experimental Verification of the Low Transmission Loss of a Flat-Roofed Sine Waveguide Slow-Wave Structure. IEEE Electron Device Letters, 2019, 40, 808-811.	2.2	40
3	A Novel Ridge-Vane-Loaded Folded-Waveguide Slow-Wave Structure for 0.22-THz Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2013, 60, 1228-1235.	1.6	35
4	Study on 1-THz Sine Waveguide Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2021, 68, 2509-2514.	1.6	21
5	A research of W-band folded waveguide traveling wave tube with elliptical sheet electron beam. Physics of Plasmas, 2012, 19, .	0.7	20
6	Analysis of Coaxial Ridged Disk-Loaded Slow-Wave Structures for Relativistic Traveling Wave Tubes. IEEE Transactions on Plasma Science, 2004, 32, 1086-1092.	0.6	19
7	A Novel Slow-Wave Structure—Folded Rectangular Groove Waveguide for Millimeter-Wave TWT. IEEE Transactions on Electron Devices, 2012, 59, 510-515.	1.6	19
8	Novel W-Band Ridge-Loaded Folded Waveguide Traveling Wave Tube. IEEE Electron Device Letters, 2014, 35, 1058-1060.	2.2	18
9	A Novel Winding Microstrip Meander-Line Slow-Wave Structure for V-Band TWT. IEEE Electron Device Letters, 2013, 34, 1325-1327.	2.2	17
10	Stable Sheet-Beam Transport in Periodic Nonsymmetric Quadrupole Field. IEEE Transactions on Plasma Science, 2010, 38, 32-38.	0.6	16
11	Mode discriminator based on mode-selective coupling. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 55-63.	2.9	15
12	Investigation of Ridge-Loaded Folded Rectangular Groove Waveguide Slow-Wave Structure for High-Power Terahertz TWT. IEEE Transactions on Electron Devices, 2018, 65, 2170-2176.	1.6	15
13	Design of a Cascade Backward-Wave Oscillator Based on Metamaterial Slow-Wave Structure. IEEE Transactions on Electron Devices, 2018, 65, 1172-1178.	1.6	15
14	Study of Corrugated Elliptical Waveguides for Slow-Wave Structures. IEEE Transactions on Electron Devices, 2007, 54, 151-156.	1.6	14
15	A Tapered Ridge-loaded Folded Waveguide Slow-wave Structure for Millimeter-wave Traveling-wave Tube. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 131-140.	1.2	12
16	Investigation on Sheet Beam Folded V-Shape Groove Waveguide for Millimeter-Wave TWT. IEEE Transactions on Plasma Science, 2016, 44, 1363-1368.	0.6	12
17	V-Shape Folded Rectangular Groove Waveguide for Millimeter-Wave Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2012, 40, 1027-1031.	0.6	10
18	A Modified Slow-Wave Structure for Backward-Wave Oscillator Design in THz Band. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 741-748.	2.0	10

#	ARTICLE	IF	CITATIONS
19	Linear analysis of traveling sheet electron beam in sine waveguide tubes. Journal of Applied Physics, 2018, 124, .	1.1	10
20	Design and Experiment of 1 THz Slow Wave Structure Fabricated by Nano-CNC Technology. IEEE Transactions on Electron Devices, 2022, 69, 2656-2661.	1.6	10
21	Design and Cold Test of Flat-Roofed Sine Waveguide Circuit for <i>W</i> -Band Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2020, 48, 4021-4028.	0.6	8
22	A 340 GHz High-Power Multi-Beam Overmoded Flat-Roofed Sine Waveguide Traveling Wave Tube. Electronics (Switzerland), 2021, 10, 3018.	1.8	6
23	Approach to a Coaxial Arbitrary-Shaped Groove Cylindrical Waveguide for Application in Wideband Gyro-TWTs. IEEE Transactions on Plasma Science, 2007, 35, 551-558.	0.6	5
24	Design of wide-band mode discriminator based on mode-selective coupling. International Journal of Electronics, 2008, 95, 99-110.	0.9	5
25	Linear Analysis of Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. IEEE Transactions on Plasma Science, 2011, 39, 1673-1679.	0.6	5
26	Study on single radial sheet beam azimuthal support angular log- periodic strip line Travelling Wave Tube. , 2018, , .		5
27	Angular log-periodic meander line traveling wave tube based on quartz substrate. , 2018, , .		5
28	Design of a Pseudoperiodic Slow Wave Structure for a 6-kW-Level Broadband Helix Traveling-Wave Tube Amplifier. IEEE Transactions on Plasma Science, 2020, 48, 1910-1916.	0.6	5
29	A new approach of using low magnetic field to focus SEB. Physics of Plasmas, 2021, 28, .	0.7	5
30	The Small Signal Analysis of a Centered Dielectric-Rod Loaded, Arbitrarily-Shaped Helical Groove Traveling-Wave-Tube. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 1051-1062.	0.6	4
31	Study on the ridge loaded azimuthal supported angular log-periodic strip meander line slow wave structure. , 2018, , .		4
32	Design and Experimental Measurement of Input and Output Couplers for a 6â€“18-GHz High-Power Helix Traveling Wave Tube Amplifier. IEEE Transactions on Electron Devices, 2020, 67, 1826-1831.	1.6	4
33	Discrimination and Analysis of Microwave Modes in High Power Systems. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 147-161.	0.6	3
34	Producing high current sheet electron beam with compact, repetitive Tesla generator. , 2012, , .		3
35	Dual-band antenna and high efficiency rectifier for RF energy harvesting system. , 2015, , .		3
36	A D-band backward-wave oscillator based on quasi-parallel-plate slow-wave structure. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	Preliminary Design and Experiment of a Ridge-Loaded Staggered Single-Slot Rectangular Coupled-Cavity Structure for -Band Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2016, 44, 587-593.	0.6	3
38	Investigation of low voltage angular log-periodic folded groove waveguide slow wave structure for G-band TWT. , 2018, , .		3
39	Broadband-Printed Traveling-Wave Tube Based on a Staggered Rings Microstrip Line Slow-Wave Structure. Electronics (Switzerland), 2022, 11, 384.	1.8	3
40	A Research of 140GHz Folded Rectangular Groove Waveguide Traveling Wave Tube. Chinese Journal of Electronics, 2015, 24, 873-876.	0.7	2
41	A novel helix SWS for wide band TWT with low gain fluctuation. , 2015, , .		2
42	The Properties of A V-shaped Double-Staggered Grating Slow Wave Structure. , 2020, , .		2
43	A 0.67THz Sheet Electron Beam TWT Based upon Sine Waveguide. , 2020, , .		2
44	Study of a Ka-band Helix TWT with Semi-Metallic Rod. , 2020, , .		2
45	A New type of 0.34THz Sine Waveguide Slow Wave Structure. , 2020, , .		2
46	Analysis of Elliptical Thin Ridged Waveguide. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 733-739.	0.6	1
47	Focusing high-current sheet electron beam with elliptical solenoid. , 2010, , .		1
48	Propagation properties of an elliptical anisotropic metamaterial cylinder. Journal of Modern Optics, 2012, 59, 778-783.	0.6	1
49	Narrow-band THz coherent Cherenkov radiation in planar dielectric structure. , 2012, , .		1
50	Analysis of 140GHz folded frame travelling wave tube. Physics of Plasmas, 2013, 20, .	0.7	1
51	A 0.34THz sine waveguide TWT with cylindrical beam tunnel. , 2015, , .		1
52	Reentrant double-staggered ladder coupled-cavity structure for X-band traveling-wave tube. , 2017, , .		1
53	Design of helix slow-wave structure for Ka/Q dual-band TWT. , 2017, , .		1
54	A BWO based on novel metamaterial slow-wave structure. , 2017, , .		1

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55	Design of 0.27-0.37THz Wideband Coaxial Line to Double-ridge Waveguide Window for Traveling-Wave Tube Amplifier. , 2018, , .		1
56	Study of a Ka-Band High-Power All-Metal Metamaterial Microwave Generator. , 2018, , .		1
57	One-dimensional nonlinear analysis of sine waveguide traveling-wave tubes. Physics of Plasmas, 2019, 26, 092301.	0.7	1
58	A New Method to Focus SEBs Using the Periodic Magnetic Field and the Electrostatic Field. Electronics (Switzerland), 2021, 10, 2118.	1.8	1
59	The Study of Traveling Wave Tube Large Signal Model Based on Machine Learning. , 2021, , .		1
60	Design of A G-Band EIK Three-Stage Depressed Collector. , 2020, , .		1
61	Design and Cold Test of a Ka-band Fan-Shaped Metal Loaded Helix Traveling Wave Tube. , 2020, , .		1
62	Analytical Analysis of Saturation Output Power for Traveling-Wave Tube. , 2020, , .		1
63	Research on a 3-D Microstrip Meander-line Slow-wave Structure Traveling Wave Tube. , 2021, , .		1
64	An Approach to Focus the Sheet Electron Beam in the Planar Microstrip Line Slow Wave Structure. IEEE Transactions on Electron Devices, 2022, 69, 3373-3379.	1.6	1
65	Attempt on Applying Semi-Metallic Supporting Rods to a Wideband Ka-Band Helix TWT. IEEE Transactions on Electron Devices, 2022, 69, 3933-3940.	1.6	1
66	Linear theory of the coaxial ridge-loaded disk-loaded cylindrical waveguide. , 0, , .		0
67	Analysis of the coaxial ridged disk-loaded slow-wave structures. , 0, , .		0
68	Dispersion Characteristics of Coaxial Circular-Arc-Groove Slow-Wave Structure. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 107-116.	0.6	0
69	Analysis of a Coaxial Arbitrary-Shaped-Groove Cylindrical Waveguide for Wide-Band Gyro-TWTs. , 2007, , .		0
70	Electromagnetic scattering by a conducting circular cylinder coated by an elliptic lossy dielectric. , 2008, , .		0
71	Simulation research on the sheet electron beam gun. , 2009, , .		0
72	The folded groove guide, an original slow-wave structure for millimeter-wave TWT. , 2012, , .		0

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73	Study of 0.14THz ridge-loaded folded-waveguide traveling-wave tube. , 2012, , .		0
74	Ridge-Loaded staggered single-slot rectangular coupled-cavity structure for X-band traveling-wave tube. , 2015, , .		0
75	THz wakefield in dielectric PBG structure driven by electron bunches. , 2015, , .		0
76	Small-signal analysis of a square helix TWT. , 2016, , .		0
77	A 340GHz sine waveguide backward-wave oscillator. , 2016, , .		0
78	Design of helix slow-wave structure for ultra-wideband traveling-wave tube with low gain fluctuation. , 2016, , .		0
79	Design of a cascade high-power source with high efficiency. , 2018, , .		0
80	Study of dangling U-shaped slot-line slow wave structure. , 2018, , .		0
81	A Way to Match the Second Symmetric Mode of Double-Grid Slow Wave Structure for Terahertz BWO. , 2019, , .		0
82	Notice of Removal: Design of Four-Way Quasi-Optical Power Combiner for High Power Millimeter Wave. , 2019, , .		0
83	Thermal Analysis of a Ka-band Helix TWT with Semi-metallic Rod. , 2021, , .		0
84	Design of a 100-W 20-GHz Bandwith G-band TWT Based on Quasi Flat-roofed Sine Waveguide. , 2021, , .		0
85	A VALIDATION STUDY of the BWIC Code, a 1-D Large Signal Code. , 2021, , .		0
86	Investigation of 340GHz 10W Modified Sine Waveguide Traveling Wave Tube. , 2021, , .		0
87	Study on a W-Band U-shaped Microstrip Meander-line Slow-wave Structure. , 2021, , .		0
88	0.65 THz Sheet Beam Traveling-wave Tube Based upon Truncated Sine Waveguide. , 2018, , .		0
89	Stability Improvement of Electron Gun for Millimeter Wave TWTs by Immersed Flow Focusing System. , 2020, , .		0
90	Joint Simulation of Electron Optical System and Beam-wave Interaction of V Band Folded Waveguide TWT. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
91	1 THz Trapezoidal Staggered Grating Traveling Wave Tube. , 2020, , .		0
92	W-band Multi-Beam Sine Waveguide Traveling-Wave Tube with Low Current Density. , 2020, , .		0
93	Research on a 6-18GHz High Power Helix Traveling-Wave Tube. , 2021, , .		0
94	Two-Stage 0.34 THz Sine Waveguide Slow Wave Structure. , 2021, , .		0
95	Circuit Design of a Broadband W-Band Extended Interaction Klystron. , 2021, , .		0
96	Design of a W-Band U-shaped Meander-line for Traveling-Wave Tube. , 2021, , .		0
97	G-band phase-velocity-taper Traveling Wave Tube Based On Quasi Flat-roofed Sine Waveguide. , 2021, , .		0
98	Design of a coaxial coupler for an E-band Helix Traveling-wave Tube. , 2021, , .		0
99	Simulation of 1THz Sine Waveguide Traveling Wave Tubes. , 2020, , .		0