

Luqi Zhang

List of Publications by Year in descending order

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257
papers

1,870
citations

331259

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360668

35
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257
docs citations

257
times ranked

571
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Sine Waveguide for 0.22-THz Traveling-Wave Tube. IEEE Electron Device Letters, 2011, 32, 1152-1154. | 2.2 | 107 |
| 2 | W-Band 1-kW Staggered Double-Vane Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2012, 59, 496-503. | 1.6 | 92 |
| 3 | A Novel V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-band MPPM. IEEE Transactions on Plasma Science, 2012, 40, 463-469. | 0.6 | 87 |
| 4 | A watt-class 1-THz backward-wave oscillator based on sine waveguide. Physics of Plasmas, 2012, 19, . | 0.7 | 63 |
| 5 | A 140-GHz Two-Beam Overmoded Folded-Waveguide Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2011, 39, 847-851. | 0.6 | 61 |
| 6 | Study on Wideband Sheet Beam Traveling Wave Tube Based on Staggered Double Vane Slow Wave Structure. IEEE Transactions on Plasma Science, 2014, 42, 3996-4003. | 0.6 | 58 |
| 7 | Symmetric Double V-Shaped Microstrip Meander-Line Slow-Wave Structure for W-Band Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2012, 59, 1551-1557. | 1.6 | 46 |
| 8 | Study of a Log-Periodic Slow Wave Structure for Ka-band Radial Sheet Beam Traveling Wave Tube. IEEE Transactions on Plasma Science, 2013, 41, 2277-2282. | 0.6 | 44 |
| 9 | Terahertz Radiation from Combined Metallic Slit Arrays. Scientific Reports, 2019, 9, 6804. | 1.6 | 43 |
| 10 | Dispersion Characteristics of a Rectangular Helix Slow-Wave Structure. IEEE Transactions on Electron Devices, 2008, 55, 3582-3589. | 1.6 | 42 |
| 11 | 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 |
| 12 | 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 |
| 13 | Study of the ridge-loaded helical-groove slow-wave structure. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1689-1695. | 2.9 | 32 |
| 14 | A Rectangular Groove-Loaded Folded Waveguide for Millimeter-Wave Traveling-Wave Tubes. IEEE Transactions on Plasma Science, 2010, 38, 1574-1578. | 0.6 | 31 |
| 15 | Theoretical and Experimental Research on a Novel Small Tunable PCM System in Staggered Double Vane TWT. IEEE Transactions on Electron Devices, 2015, 62, 4258-4264. | 1.6 | 30 |
| 16 | Review of the Novel Slow-Wave Structures for High-Power Traveling-Wave Tube. Journal of Infrared, Millimeter and Terahertz Waves, 2003, 24, 1469-1484. | 0.6 | 28 |
| 17 | An approach to the analysis of arbitrarily shaped helical groove waveguides. , 2000, 10, 4-6. | | 27 |
| 18 | A Ridge-Loaded Sine Waveguide for \$G\$ -Band Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2016, 44, 2832-2837. | 0.6 | 27 |

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|----|---|-----|-----------|
| 19 | Study of Traveling Wave Tube With Folded-Waveguide Circuit Shielded by Photonic Crystals. IEEE Transactions on Electron Devices, 2010, 57, 1137-1145. | 1.6 | 26 |
| 20 | Effect of Attenuation on Backward-Wave Oscillation Start Oscillation Condition. IEEE Transactions on Plasma Science, 2004, 32, 2184-2188. | 0.6 | 23 |
| 21 | Study of the Symmetrical Microstrip Angular Log-Periodic Meander-Line Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2016, 44, 1787-1793. | 0.6 | 23 |
| 22 | Study of 220 GHz Dual-Beam Overmoded Photonic Crystal-Loaded Folded Waveguide TWT. IEEE Transactions on Plasma Science, 2019, 47, 2971-2978. | 0.6 | 22 |
| 23 | High-Power Tunable Terahertz Radiation by High-Order Harmonic Generation. IEEE Transactions on Electron Devices, 2013, 60, 482-486. | 1.6 | 21 |
| 24 | Study on 1-THz Sine Waveguide Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2021, 68, 2509-2514. | 1.6 | 21 |
| 25 | Suppression of In-Band Power Holes in Helix Traveling-Wave Tubes. IEEE Transactions on Electron Devices, 2011, 58, 1556-1561. | 1.6 | 19 |
| 26 | 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 |
| 27 | Stacked dual beam electron optical system for THz integrated wideband traveling wave tube. Physics of Plasmas, 2019, 26, . | 0.7 | 19 |
| 28 | Novel W -Band Ridge-Loaded Folded Waveguide Traveling Wave Tube. IEEE Electron Device Letters, 2014, 35, 1058-1060. | 2.2 | 18 |
| 29 | A dielectric-embedded microstrip meander line slow-wave structure for miniaturized traveling wave tube. Journal of Electromagnetic Waves and Applications, 2017, 31, 1938-1946. | 1.0 | 18 |
| 30 | Study on W -band sheet-beam traveling-wave tube based on flat-roofed sine waveguide. AIP Advances, 2018, 8, . | 0.6 | 18 |
| 31 | Investigation on a W Band Ridge-Loaded Folded Waveguide TWT. IEEE Transactions on Plasma Science, 2011, 39, 1660-1664. | 0.6 | 17 |
| 32 | A Novel Winding Microstrip Meander-Line Slow-Wave Structure for V -Band TWT. IEEE Electron Device Letters, 2013, 34, 1325-1327. | 2.2 | 17 |
| 33 | Stable Sheet-Beam Transport in Periodic Nonsymmetric Quadrupole Field. IEEE Transactions on Plasma Science, 2010, 38, 32-38. | 0.6 | 16 |
| 34 | Study on the Radial-Sheet-Beam Electron Optical System. IEEE Transactions on Plasma Science, 2012, 40, 3442-3448. | 0.6 | 16 |
| 35 | Dispersion Equations of a Rectangular Tape Helix Slow-Wave Structure. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1445-1456. | 2.9 | 16 |
| 36 | Study on phase velocity tapered microstrip angular log-periodic meander line travelling wave tube. IET Microwaves, Antennas and Propagation, 2016, 10, 902-907. | 0.7 | 16 |

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|----|---|-----|-----------|
| 37 | Mutual Coupling Reduction between Patch Antennas Using Meander Line. International Journal of Antennas and Propagation, 2018, 2018, 1-7. | 0.7 | 16 |
| 38 | Study of High-Power Ka-Band Rectangular Double-Grating Sheet Beam BWO. IEEE Transactions on Plasma Science, 2014, 42, 1502-1508. | 0.6 | 15 |
| 39 | Analysis and Simulation of a Multigap Sheet Beam Extended Interaction Relativistic Klystron Amplifier. IEEE Transactions on Plasma Science, 2015, 43, 1862-1870. | 0.6 | 15 |
| 40 | 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 |
| 41 | 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 |
| 42 | Study of Corrugated Elliptical Waveguides for Slow-Wave Structures. IEEE Transactions on Electron Devices, 2007, 54, 151-156. | 1.6 | 14 |
| 43 | Dual-band circularly polarised planar monopole antenna for WLAN/WiFi/Bluetooth/WiMAX applications. IET Microwaves, Antennas and Propagation, 2018, 12, 972-976. | 0.7 | 14 |
| 44 | Study of a miniaturized dual-beam TWT with planar dielectric-rods-support uniform metallic meander line. Physics of Plasmas, 2018, 25, . | 0.7 | 13 |
| 45 | 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 |
| 46 | 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 |
| 47 | Study on Radial Sheet Beam Electron Optical System for Miniature Low-Voltage Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2017, 64, 3405-3412. | 1.6 | 12 |
| 48 | Analysis of the coaxial helical-groove slow-wave structure. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 191-200. | 2.9 | 11 |
| 49 | Impact of attenuator models on computed traveling wave tube performances. Physics of Plasmas, 2007, 14, . | 0.7 | 11 |
| 50 | Development of a 140-GHz folded-waveguide traveling-wave tube in a relatively larger circular electron beam tunnel. Journal of Electromagnetic Waves and Applications, 2017, 31, 1914-1923. | 1.0 | 11 |
| 51 | 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 |
| 52 | A theoretical framework for quantum image representation and data loading scheme. Science China Information Sciences, 2014, 57, 1-11. | 2.7 | 10 |
| 53 | Full-wave analysis of the high frequency characteristics of the sine waveguide slow-wave structure. AIP Advances, 2017, 7, 085111. | 0.6 | 10 |
| 54 | Linear analysis of traveling sheet electron beam in sine waveguide tubes. Journal of Applied Physics, 2018, 124, . | 1.1 | 10 |

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| 55 | Analysis of the Dispersion Characteristic and Interaction Impedance of a Tape Helix Slow Wave Structure with Novel Supporting Mode. International Journal of Electronics, 2004, 91, 309-318. | 0.9 | 9 |
| 56 | Study of Low- Voltage Radial Convergent Sheet Electron Optical System. IEEE Transactions on Plasma Science, 2014, 42, 1847-1853. | 0.6 | 9 |
| 57 | A High-Power Single Rectangular Grating Sheet Electron Beam Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2016, 63, 3262-3269. | 1.6 | 9 |
| 58 | Investigation of 0.38THz backward-wave oscillator based on slotted sine waveguide and pencil electron beam. Physics of Plasmas, 2016, 23, . | 0.7 | 9 |
| 59 | Compact wideband MIMO antenna for 5G communication. , 2017, , . | | 9 |
| 60 | Investigation of the Slow-Wave Properties of a Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. IEEE Transactions on Electron Devices, 2010, 57, 2019-2026. | 1.6 | 8 |
| 61 | A 1-kW 32GHz Folded Waveguide Traveling Wave Tube. IEEE Transactions on Plasma Science, 2014, 42, 8-12. | 0.6 | 8 |
| 62 | Design of a Small and Compact Monopole Ultra Wideband Antenna. , 2018, , . | | 8 |
| 63 | Design and Cold Test of Flat-Roofed Sine Waveguide Circuit for W-Band Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2020, 48, 4021-4028. | 0.6 | 8 |
| 64 | U-shaped microstrip meander-line slow-wave structure for Ka-band traveling-wave tube. , 2012, , . | | 7 |
| 65 | A Novel Folded Waveguide for V-Band TWT. IEEE Transactions on Plasma Science, 2015, 43, 4088-4091. | 0.6 | 7 |
| 66 | Flexibly Extensible Planar Self-Isolated Wideband MIMO Antenna for 5G Communications. Electronics (Switzerland), 2019, 8, 994. | 1.8 | 7 |
| 67 | Miniature Metamaterial Backward Wave Oscillator With a Coaxial Coupler. IEEE Transactions on Electron Devices, 2022, 69, 1389-1395. | 1.6 | 7 |
| 68 | A novel helical slow-wave structure for millimeter-wave traveling-wave tube. , 2012, , . | | 6 |
| 69 | 3-D Fast Nonlinear Simulation for Beam-Wave Interaction of Sheet Beam Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2019, 66, 1504-1511. | 1.6 | 6 |
| 70 | 0.2-THz Traveling Wave Tube Based on the Sheet Beam and a Novel Staggered Double Corrugated Waveguide. IEEE Transactions on Plasma Science, 2020, 48, 3229-3237. | 0.6 | 6 |
| 71 | A 340 GHz High-Power Multi-Beam Overmoded Flat-Roofed Sine Waveguide Traveling Wave Tube. Electronics (Switzerland), 2021, 10, 3018. | 1.8 | 6 |
| 72 | Experimental demonstration of the effect of groove shape on the wave properties of the helical groove waveguide. IEEE Microwave and Wireless Components Letters, 2003, 13, 484-486. | 2.0 | 5 |

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| 73 | Linear theory of the electron beam-wave-plasma interactions in a magnetized plasma waveguide. Journal of Applied Physics, 2007, 101, 053309. | 1.1 | 5 |
| 74 | 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 |
| 75 | Linear Analysis of Dielectric-Lined Azimuthally Periodic Circular Waveguide for TWT. IEEE Transactions on Plasma Science, 2011, 39, 1673-1679. | 0.6 | 5 |
| 76 | A Method to Calculate Output Power for Sheet-Beam Traveling-Wave Amplifiers. IEEE Transactions on Electron Devices, 2012, 59, 3630-3634. | 1.6 | 5 |
| 77 | Generation of high-power tunable terahertz-radiation by nonrelativistic beam-echo harmonic effect. Physics of Plasmas, 2013, 20, 013303. | 0.7 | 5 |
| 78 | Simulation of Rectangular Helix Slow-Wave Structure for 140 GHz Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2016, 44, 1069-1074. | 0.6 | 5 |
| 79 | Mutual coupling reduction in patch antenna arrays. , 2018, , . | | 5 |
| 80 | Study on single radial sheet beam azimuthal support angular log- periodic strip line Travelling Wave Tube. , 2018, , . | | 5 |
| 81 | Angular log-periodic meander line traveling wave tube based on quartz substrate. , 2018, , . | | 5 |
| 82 | 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 |
| 83 | Design and Simulation of a 0.23-THz Extended Interaction Amplifier With Trapezoid-Neck Cavities. IEEE Transactions on Electron Devices, 2021, 68, 3010-3014. | 1.6 | 5 |
| 84 | Design and Optimization of Axis-Adjustable Multistage Depressed Collector for 0.22-THz Traveling Wave Tubes. IEEE Transactions on Electron Devices, 2021, 68, 2996-3002. | 1.6 | 5 |
| 85 | Analysis of Elliptical Ridged Waveguide. , 2006, , . | | 4 |
| 86 | 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 |
| 87 | Investigation into the Effect of Dielectric Loss on RF Characteristics of Helical SWS. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 23-34. | 0.6 | 4 |
| 88 | Investigation of the Dielectric-Loaded Folded Waveguide Traveling-Wave Tube Amplifier. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 1027-1037. | 1.2 | 4 |
| 89 | Beam-wave interaction study on a novel Ka-band ring-shaped microstrip meander-line slow wave structure. , 2014, , . | | 4 |
| 90 | 0.85 THz truncated sine waveguide traveling-wave tube with sheet beam tunnel. Journal of Engineering, 2018, 2018, 665-668. | 0.6 | 4 |

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| 91 | Design and cold test of period-tapered double-ridge-loaded folded waveguide slow wave structure for Ka band TWTs. AIP Advances, 2018, 8, 055105. | 0.6 | 4 |
| 92 | Study on the ridge loaded azimuthal supported angular log-periodic strip meander line slow wave structure. , 2018, , . | | 4 |
| 93 | 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 |
| 94 | Broadband and Integratable 2 Å— 2 TWT Amplifier Unit for Millimeter Wave Phased Array Radar. Electronics (Switzerland), 2021, 10, 2808. | 1.8 | 4 |
| 95 | Electron optical system with integrated PCM for sheet electron beam devices. Physics of Plasmas, 2021, 28, . | 0.7 | 4 |
| 96 | Detailed Investigation on Nonstationary Behavior in a Frequency-Tunable Gyrotron. IEEE Transactions on Electron Devices, 2022, 69, 3400-3406. | 1.6 | 4 |
| 97 | Investigation of the Half-Circular Helical Groove Slow-Wave Structure. Journal of Infrared, Millimeter and Terahertz Waves, 1998, 19, 1089-1101. | 0.6 | 3 |
| 98 | A 140-GHz sheet electron beam sine waveguide traveling-wave tube. , 2011, , . | | 3 |
| 99 | A 140 GHz staggered double vane backward wave oscillator. , 2012, , . | | 3 |
| 100 | Recent advancements in sine waveguide for terahertz vacuum electron devices. , 2012, , . | | 3 |
| 101 | Producing high current sheet electron beam with compact, repetitive Tesla generator. , 2012, , . | | 3 |
| 102 | Sheet electron beam formation and transport in the uniform magnetic field. , 2013, , . | | 3 |
| 103 | A novel angular log-periodic micro-strip meander-line slow wave structure for low-voltage and wideband traveling wave tube. , 2013, , . | | 3 |
| 104 | Investigation of Double-groove Loaded Folded-Waveguide Slow-wave Structure for Millimeter Traveling-wave Tubes. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 288-299. | 1.2 | 3 |
| 105 | Study of the Slow-Wave Properties of a Rectangular Groove-Loaded Folded Waveguide for Millimeter Traveling-Wave Tubes. IEEE Transactions on Plasma Science, 2014, 42, 55-61. | 0.6 | 3 |
| 106 | Dual-band antenna and high efficiency rectifier for RF energy harvesting system. , 2015, , . | | 3 |
| 107 | An arbitrary staggered multi-vane traveling wave tube driven by double sheet electron beams. , 2015, , . | | 3 |
| 108 | Design of the radial divergent sheet beam electron optical system with radial quasi-uniform magnetic field. , 2015, , . | | 3 |

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| 109 | A D-band backward-wave oscillator based on quasi-parallel-plate slow-wave structure. , 2015, , . | | 3 |
| 110 | Design of a two-stage, two-sheet-beam 220-GHz, 70-kW planar relativistic traveling-wave tube. Journal of Electromagnetic Waves and Applications, 2016, 30, 1858-1868. | 1.0 | 3 |
| 111 | 2-dimensional microstrip meander-line for broad band planar TWTs. , 2016, , . | | 3 |
| 112 | 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 |
| 113 | Study on Ka-band sheet-beam, three-slot-staggered-ladder coupled-cavity traveling-wave tube in a small tunable periodic cusped magnet. Journal of Electromagnetic Waves and Applications, 2017, 31, 1924-1937. | 1.0 | 3 |
| 114 | Study on one stage angular log-periodic meander line traveling-wave tube. , 2017, , . | | 3 |
| 115 | Design of W-band sheet beam travelling wave tubes based on staggered double vane slow wave structure. Journal of Engineering, 2018, 2018, 698-703. | 0.6 | 3 |
| 116 | Microstrip angular log-periodic slow wave structure on quartz substrate with coaxial input/output coupler. Journal of Engineering, 2018, 2018, 692-697. | 0.6 | 3 |
| 117 | Simulation and cold test of 220GHz staggered double vane slow wave structure. , 2018, , . | | 3 |
| 118 | Investigation of low voltage angular log-periodic folded groove waveguide slow wave structure for G-band TWT. , 2018, , . | | 3 |
| 119 | Study for 850 GHz sheet beam staggered double-vane traveling wave tube considering the metal loss. , 2018, , . | | 3 |
| 120 | Study of low voltage angular log-periodic slow wave structure for 340 GHz TWT. , 2019, , . | | 3 |
| 121 | Optimum Design of Electron Gun for 0.22-THz Traveling Wave Tubes. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 307-314. | 2.9 | 3 |
| 122 | Broadband-Printed Traveling-Wave Tube Based on a Staggered Rings Microstrip Line Slow-Wave Structure. Electronics (Switzerland), 2022, 11, 384. | 1.8 | 3 |
| 123 | Research and Experiment of a W-Band High-Power Extended Interaction Oscillator With High Voltage. IEEE Transactions on Electron Devices, 2022, 69, 4540-4545. | 1.6 | 3 |
| 124 | Wave Propagation Along a Helical Step-Loaded Groove Waveguide. Journal of Infrared, Millimeter and Terahertz Waves, 1999, 20, 1581-1592. | 0.6 | 2 |
| 125 | Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2001, 22, 737-756. | 0.6 | 2 |
| 126 | Research of Efficiency Enhancement in a Helix TWT with Simulated Annealing Algorithm. , 2007, , . | | 2 |

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| 127 | Rhombus-shaped microstrip meander-line slow-wave structure for 140 GHz traveling-wave tube. , 2012, , . | | 2 |
| 128 | Study on high power Ka-band rectangular double-grating sheet beam device. , 2013, , . | | 2 |
| 129 | A V-band folded waveguide TWT. , 2015, , . | | 2 |
| 130 | A Research of 140GHz Folded Rectangular Groove Waveguide Traveling Wave Tube. Chinese Journal of Electronics, 2015, 24, 873-876. | 0.7 | 2 |
| 131 | Ka-band traveling wave tube driving by relativistic sheet electron beam. , 2015, , . | | 2 |
| 132 | A novel helix SWS for wide band TWT with low gain fluctuation. , 2015, , . | | 2 |
| 133 | A 0.22 THz sine waveguide traveling-wave tube. , 2015, , . | | 2 |
| 134 | Design of the radial divergent sheet beam electron optical system with cylindrical emission surface. , 2015, , . | | 2 |
| 135 | A Study of the Effects of Helix Misalignment on the Cold Parameters of a Sheath Helix Slow-Wave Structure. IEEE Transactions on Electron Devices, 2015, 62, 1334-1341. | 1.6 | 2 |
| 136 | Study on the dispersion characteristics of sine waveguide based on the field match method. , 2017, , . | | 2 |
| 137 | 0.22THz Ridged Sine Waveguide BWO and Sheet Beam Electron Optical System. , 2018, , . | | 2 |
| 138 | High frequency characteristics of a metamaterial slow wave structure. , 2018, , . | | 2 |
| 139 | Modeling, simulation, and fabrication of electron optic system for application on 105 GHz high power gyrotron. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2593. | 1.2 | 2 |
| 140 | The Properties of A V-shaped Double-Staggered Grating Slow Wave Structure. , 2020, , . | | 2 |
| 141 | A 0.67THz Sheet Electron Beam TWT Based upon Sine Waveguide. , 2020, , . | | 2 |
| 142 | Study of a Ka-band Helix TWT with Semi-Metallic Rod. , 2020, , . | | 2 |
| 143 | Computation for the gain of ridge loaded ring-plane traveling wave tube. Journal of Infrared, Millimeter and Terahertz Waves, 1997, 18, 2205-2217. | 0.6 | 1 |
| 144 | The Linear Analysis of Coaxial Helical-Groove Slow-Wave Structure. Journal of Infrared, Millimeter and Terahertz Waves, 2001, 22, 1503-1509. | 0.6 | 1 |

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| 145 | Attenuation Theory of the Attenuator-Coated Helical Slow-Wave Structure. , 2006, , . | | 1 |
| 146 | DIELECTRIC EFFECT ON THE RADIO-FREQUENCY CHARACTERISTICS OF A RECTANGULAR WAVEGUIDE GRATING TRAVELING WAVE TUBE. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 1095-1108. | 0.6 | 1 |
| 147 | Analysis of Elliptical Thin Ridged Waveguide. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 733-739. | 0.6 | 1 |
| 148 | Study on rectangular waveguide grating Slow-Wave Structure with cosine-shaped grooves. Journal of Electronics, 2007, 24, 384-389. | 0.2 | 1 |
| 149 | Theoretical investigation into Cherenkov radiation in an anisotropic double-negative medium. , 2008, , . | | 1 |
| 150 | Focusing high-current sheet electron beam with elliptical solenoid. , 2010, , . | | 1 |
| 151 | 16.5: The suppression of BWO power holes in the TWTs using the helix pitch taper method. , 2010, , . | | 1 |
| 152 | Virtual boundary element method for multistage depressed collector of traveling-wave tubes. Physics of Plasmas, 2011, 18, 043106. | 0.7 | 1 |
| 153 | Simulation of a 94GHz radial spiral waveguide TWT. , 2012, , . | | 1 |
| 154 | Sine waveguide with a grating reflector for 1-THz backward wave oscillator. , 2012, , . | | 1 |
| 155 | Ellipse-shaped electron gun for W-band sheet beam devices. , 2012, , . | | 1 |
| 156 | Propagation properties of an elliptical anisotropic metamaterial cylinder. Journal of Modern Optics, 2012, 59, 778-783. | 0.6 | 1 |
| 157 | Narrow-band THz coherent Cherenkov radiation in planar dielectric structure. , 2012, , . | | 1 |
| 158 | Investigation of a novel folded waveguide slow wave structure for traveling wave tube. , 2013, , . | | 1 |
| 159 | A modified slotted helix slow-wave structure for high-power millimeter-wave TWT. , 2013, , . | | 1 |
| 160 | Analysis of 140GHz folded frame travelling wave tube. Physics of Plasmas, 2013, 20, . | 0.7 | 1 |
| 161 | A novel omega-shaped microstrip slow-wave structure for 60-GHz traveling-wave tube. , 2013, , . | | 1 |
| 162 | Study for 140 GHz folded waveguide traveling wave tube with big electron tunnel. , 2015, , . | | 1 |

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|-----|--|-----|-----------|
| 163 | A 0.34THz sine waveguide TWT with cylindrical beam tunnel. , 2015, , . | | 1 |
| 164 | A 140GHz traveling-wave tube based on sine waveguide and sheet beam. , 2016, , . | | 1 |
| 165 | Study of the radial tunable PCM focusing system. , 2016, , . | | 1 |
| 166 | A Forward-Wave Oscillator Based on Folded-Waveguide Slow-Wave Structure. IEEE Transactions on Plasma Science, 2017, 45, 24-29. | 0.6 | 1 |
| 167 | Design of a two-stage Ka-band relativistic sheet electron beam traveling wave tube. , 2017, , . | | 1 |
| 168 | Large power microwave nonlinear effects on multifunction amplifier chip for Ka-band T/R module of phased array radar. AIP Advances, 2017, 7, 125226. | 0.6 | 1 |
| 169 | Reentrant double-staggered ladder coupled-cavity structure for X-band traveling-wave tube. , 2017, , . | | 1 |
| 170 | Design of helix slow-wave structure for Ka/Q dual-band TWT. , 2017, , . | | 1 |
| 171 | A BWO based on novel metamaterial slow-wave structure. , 2017, , . | | 1 |
| 172 | The Study of Q-band Sheet Beam Backward Wave Oscillator Based on a Planar U-shaned Slot-line Slow-wave Structure. , 2018, , . | | 1 |
| 173 | Study of a Ka-Band High-Power All-Metal Metamaterial Microwave Generator. , 2018, , . | | 1 |
| 174 | Uniform permanent magnetic field with hemi-ladder structure for sheet electron beam focusing. , 2018, , . | | 1 |
| 175 | One-dimensional nonlinear analysis of sine waveguide traveling-wave tubes. Physics of Plasmas, 2019, 26, 092301. | 0.7 | 1 |
| 176 | A New Method to Focus SEBs Using the Periodic Magnetic Field and the Electrostatic Field. Electronics (Switzerland), 2021, 10, 2118. | 1.8 | 1 |
| 177 | The Study of Traveling Wave Tube Large Signal Model Based on Machine Learning. , 2021, , . | | 1 |
| 178 | Thermal Analysis of Electron Gun for Terahertz Traveling Wave Tubes Based on L-BFGS Algorithm. , 2020, , . | | 1 |
| 179 | Design of A G-Band EIK Three-Stage Depressed Collector. , 2020, , . | | 1 |
| 180 | Design and Cold Test of a Ka-band Fan-Shaped Metal Loaded Helix Traveling Wave Tube. , 2020, , . | | 1 |

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