

# Zhanliang Wang

## List of Publications by Year in descending order

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153  
papers

928  
citations

569409

15  
h-index

582266

25  
g-index

153  
all docs

153  
docs citations

153  
times ranked

472  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Observation of the reversed Cherenkov radiation. Nature Communications, 2017, 8, 14901.   | 13.0 | 111       |
| 2  | 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.                            | 1.3  | 58        |
| 3  | 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.                                  | 1.3  | 44        |
| 4  | 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.                       | 3.1  | 30        |
| 5  | Characterization of Metamaterial Slow-Wave Structure Loaded With Complementary Electric Split-Ring Resonators. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2238-2246. | 4.6  | 29        |
| 6  | Novel S-Band Metamaterial Extended Interaction Klystron. IEEE Electron Device Letters, 2020, 41, 1580-1583.   | 4.0  | 27        |
| 7  | Study of the Symmetrical Microstrip Angular Log-Periodic Meander-Line Traveling-Wave Tube. IEEE Transactions on Plasma Science, 2016, 44, 1787-1793.                                      | 1.3  | 23        |
| 8  | Study of 220 GHz Dual-Beam Overmoded Photonic Crystal-Loaded Folded Waveguide TWT. IEEE Transactions on Plasma Science, 2019, 47, 2971-2978.  | 1.3  | 22        |
| 9  | Novel Double Tunnel Staggered Grating Slow Wave Structure for 0.2 THz Traveling Wave Tube. IEEE Electron Device Letters, 2020, 41, 284-287.   | 4.0  | 21        |
| 10 | Stacked dual beam electron optical system for THz integrated wideband traveling wave tube. Physics of Plasmas, 2019, 26, .  | 1.9  | 19        |
| 11 | Sheet Electron Beam Transport in a Metamaterial-Loaded Waveguide Under the Uniform Magnetic Focusing. IEEE Transactions on Electron Devices, 2016, 63, 2132-2138.                         | 3.1  | 18        |
| 12 | Experimental Investigation of an Electron-Optical System for Terahertz Traveling-Wave Tubes. IEEE Transactions on Electron Devices, 2021, 68, 6498-6504.                                  | 3.1  | 17        |
| 13 | Stable Sheet-Beam Transport in Periodic Nonsymmetric Quadrupole Field. IEEE Transactions on Plasma Science, 2010, 38, 32-38.  | 1.3  | 16        |
| 14 | Study on phase velocity tapered microstrip angular log $\epsilon$ -periodic meander line travelling wave tube. IET Microwaves, Antennas and Propagation, 2016, 10, 902-907.               | 1.4  | 16        |
| 15 | Investigation of Double Tunnel Sine Waveguide Slow-Wave Structure for Terahertz Dual-Beam TWT. IEEE Transactions on Electron Devices, 2020, 67, 2176-2181.                                | 3.1  | 16        |
| 16 | Study of High-Power Ka-Band Rectangular Double-Grating Sheet Beam BWO. IEEE Transactions on Plasma Science, 2014, 42, 1502-1508.  | 1.3  | 15        |
| 17 | Analysis and Simulation of a Multigap Sheet Beam Extended Interaction Relativistic Klystron Amplifier. IEEE Transactions on Plasma Science, 2015, 43, 1862-1870.                          | 1.3  | 15        |
| 18 | Dual $\epsilon$ -band circularly polarised planar monopole antenna for WLAN/Wi $\epsilon$ Fi/Bluetooth/WiMAX applications. IET Microwaves, Antennas and Propagation, 2018, 12, 972-976.   | 1.4  | 14        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Study of a miniaturized dual-beam TWT with planar dielectric-rods-support uniform metallic meander line. <i>Physics of Plasmas</i> , 2018, 25, .  | 1.9 | 13        |
| 20 | Input and Output Couplers for an Oversized Coaxial Relativistic Klystron Amplifier at Ka-Band. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 2758-2763.                                  | 3.1 | 13        |
| 21 | 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.                               | 3.1 | 12        |
| 22 | Oversized coaxial relativistic extended interaction oscillator with gigawatt-level output at Ka-band. <i>Physics of Plasmas</i> , 2019, 26, 043107.   | 1.9 | 12        |
| 23 | A Novel Scheme for Gain and Power Enhancement of THz TWTs by Extended Interaction Cavities. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 667-672.                                       | 3.1 | 12        |
| 24 | Demonstration of a Ka-Band Oversized Coaxial Multi-Beam Relativistic Klystron Amplifier for High Power Millimeter-Wave Radiation. <i>IEEE Electron Device Letters</i> , 2022, 43, 131-134.          | 4.0 | 12        |
| 25 | 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. | 1.6 | 11        |
| 26 | Design and Cold Test of Dual Beam Azimuthal Supported Angular Log-Periodic Strip-Line Slow Wave Structure. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 785-795.         | 2.2 | 11        |
| 27 | 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.                                    | 3.1 | 10        |
| 28 | Third-Harmonic Traveling-Wave Tube Multiplier-Amplifier. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 2189-2194.  | 3.1 | 10        |
| 29 | Study of Low- Voltage Radial Convergent Sheet Electron Optical System. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 1847-1853.  | 1.3 | 9         |
| 30 | A High-Power Single Rectangular Grating Sheet Electron Beam Traveling-Wave Tube. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 3262-3269.  | 3.1 | 9         |
| 31 | Sheet Beam Electron Gun with High Current for 220 GHz TWT. , 2018, , .  |     | 9         |
| 32 | Novel Helical Groove Rectangular Waveguide Slow Wave Structure for 0.2 THz Traveling Wave Tube. <i>IEEE Electron Device Letters</i> , 2019, 40, 1526-1529.  | 4.0 | 9         |
| 33 | Investigation on a Ka Band Diamond-Supported Meander-Line SWS. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 1460-1468.   | 2.2 | 9         |
| 34 | Theory and Experiment of High-Gain Modified Angular Log-Periodic Folded Waveguide Slow Wave Structure. <i>IEEE Electron Device Letters</i> , 2020, 41, 1237-1240.                                   | 4.0 | 9         |
| 35 | High power folded waveguide traveling wave tube based on variable-width technology. <i>Physics of Plasmas</i> , 2019, 26, .   | 1.9 | 8         |
| 36 | Experimental Advances in 220 GHz Sheet-Beam Traveling-Wave Tubes. , 2019, , .   |     | 8         |

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|----|---|-----|-----------|
| 37 | Ka-band dual sheet beam traveling wave tube using supported planar ring-bar slow wave structure. Journal of Electromagnetic Waves and Applications, 2020, 34, 2236-2250.                  | 1.6 | 7         |
| 38 | Extended interaction oversized coaxial relativistic klystron amplifier with gigawatt-level output at Ka band. Physics of Plasmas, 2018, 25, .   | 1.9 | 6         |
| 39 | Designing a Water-Immersed Rectangular Horn Antenna for Generating Underwater OAM Waves. Electronics (Switzerland), 2019, 8, 1224.  | 3.1 | 6         |
| 40 | 3-D Fast Nonlinear Simulation for Beam-Wave Interaction of Sheet Beam Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2019, 66, 1504-1511.                                    | 3.1 | 6         |
| 41 | 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.                          | 1.3 | 6         |
| 42 | A 340 GHz High-Power Multi-Beam Overmoded Flat-Roofed Sine Waveguide Traveling Wave Tube. Electronics (Switzerland), 2021, 10, 3018.  | 3.1 | 6         |
| 43 | Mutual coupling reduction in patch antenna arrays. , 2018, , .  |     | 5         |
| 44 | Study on single radial sheet beam azimuthal support angular log- periodic strip line Travelling Wave Tube. , 2018, , .  |     | 5         |
| 45 | Angular log-periodic meander line traveling wave tube based on quartz substrate. , 2018, , .  |     | 5         |
| 46 | Study of an Attenuator Supporting Meander-Line Slow Wave Structure for Ka-Band TWT. Electronics (Switzerland), 2021, 10, 2372.  | 3.1 | 5         |
| 47 | Study on an X-Band Sheet Beam Meander-Line SWS. IEEE Transactions on Plasma Science, 2020, 48, 4149-4154.   | 1.3 | 5         |
| 48 | A Novel Tunable PCM Focusing System for a 220 GHz Sheet Beam Electron Gun. , 2020, , .  |     | 5         |
| 49 | Experimental Investigation of a Shape-Optimized Staggered Double-Vane Slow-Wave Structure for Terahertz Traveling-Wave Tubes. IEEE Transactions on Electron Devices, 2022, 69, 4632-4637. | 3.1 | 5         |
| 50 | A new metamaterial-based UWB MIMO antenna. , 2015, , .  |     | 4         |
| 51 | Recent advances in theory and experiment of metamaterial-based high power radiation sources. , 2016, , .  |     | 4         |
| 52 | Theoretical investigation of rectangular sheet beam transport in a waveguide loaded by a metamaterial. , 2016, , .  |     | 4         |
| 53 | 0.85 THz truncated sine waveguide traveling-wave tube with sheet beam tunnel. Journal of Engineering, 2018, 2018, 665-668.  | 1.1 | 4         |
| 54 | Study on the ridge loaded azimuthal supported angular log-periodic strip meander line slow wave structure. , 2018, , .  |     | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Microfabrication of A Conformal Microstrip Angular Log-periodic Meander Line TWT. , 2019, , .   |     | 4         |
| 56 | Investigation of angular log-periodic folded groove waveguide slow-wave structure for low voltage Ka-band TWT. AIP Advances, 2020, 10, .  | 1.3 | 4         |
| 57 | Dielectric-Supported Staggered Dual Meander-Line Slow Wave Structure for an <i>E</i>-Band TWT. IEEE Transactions on Electron Devices, 2021, 68, 369-375.  | 3.1 | 4         |
| 58 | Q-Band Helix Traveling-Wave Tube With High Efficiency by Helix Pitch and Diameter Profiling for Potential Application in the Next Generation Wireless Communication System. IEEE Transactions on Plasma Science, 2022, 50, 1790-1795. | 1.3 | 4         |
| 59 | Producing high current sheet electron beam with compact, repetitive Tesla generator. , 2012, , .  |     | 3         |
| 60 | Sheet electron beam formation and transport in the uniform magnetic field. , 2013, , .  |     | 3         |
| 61 | A novel angular log-periodic micro-strip meander-line slow wave structure for low-voltage and wideband traveling wave tube. , 2013, , .   |     | 3         |
| 62 | Optimization of multi-gap extended output cavity for a G-band sheet beam extended interaction klystron. , 2014, , .   |     | 3         |
| 63 | An arbitrary staggered multi-vane traveling wave tube driven by double sheet electron beams. , 2015, , .  |     | 3         |
| 64 | 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.   | 1.6 | 3         |
| 65 | 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.                        | 1.6 | 3         |
| 66 | Study on one stage angular log-periodic meander line traveling-wave tube. , 2017, , .   |     | 3         |
| 67 | A numerical study for dielectric constant profile of aqueous solvent in ionic solution radiated by high-intensity electric pulses. AIP Advances, 2018, 8, 115217.   | 1.3 | 3         |
| 68 | Investigation of Staggered Double Grating Slow Wave Structure Loaded by Photonic Crystals. , 2018, , .  |     | 3         |
| 69 | Design of Wâ€band sheet beam travelling wave tubes based on staggered double vane slow wave structure. Journal of Engineering, 2018, 2018, 698-703.   | 1.1 | 3         |
| 70 | Oversized coaxial output cavity for Ka band relativistic klystron. Journal of Engineering, 2018, 2018, 678-681.   | 1.1 | 3         |
| 71 | Microstrip angular logâ€periodic slow wave structure on quartz substrate with coaxial input/output coupler. Journal of Engineering, 2018, 2018, 692-697.  | 1.1 | 3         |
| 72 | Simulation and cold test of 220GHz staggered double vane slow wave structure. , 2018, , .   |     | 3         |

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|----|--|-----|-----------|
| 73 | Investigation of low voltage angular log-periodic folded groove waveguide slow wave structure for G-band TWT. , 2018, , .  |     | 3         |
| 74 | Study for 850 GHz sheet beam staggered double-vane traveling wave tube considering the metal loss. , 2018, , .   |     | 3         |
| 75 | Study of low voltage angular log-periodic slow wave structure for 340 GHz TWT. , 2019, , .   |     | 3         |
| 76 | Double-Anode Sheet-Beam Electron Gun with a Circular Cathode for 220 GHz TWT. , 2019, , .  |     | 3         |
| 77 | An Active Transmission Matrix-Based Nonlinear Analysis for Folded Waveguide TWT. IEEE Transactions on Electron Devices, 2020, 67, 1205-1210.   | 3.1 | 3         |
| 78 | Investigation of Sine Groove Waveguide Slow Wave Structure for Terahertz Traveling Wave Tube. IEEE Transactions on Electron Devices, 2021, 68, 804-810.  | 3.1 | 3         |
| 79 | Improved Model for Beam-Wave Interaction With Ohmic Losses and Reflections of Sheet Beam Traveling Wave Tubes. IEEE Transactions on Electron Devices, 2021, 68, 2977-2983.   | 3.1 | 3         |
| 80 | A Ka-Band Angular Log-Periodic Meander-Line SWS Supported by Diamond Rods. IEEE Transactions on Electron Devices, 2022, 69, 1374-1379.   | 3.1 | 3         |
| 81 | A 0.14 THz Angular Radial Extended Interaction Oscillator. IEEE Transactions on Electron Devices, 2022, 69, 1468-1473.   | 3.1 | 3         |
| 82 | Study on high power Ka-band rectangular double-grating sheet beam device. , 2013, , .  |     | 2         |
| 83 | Research on 220GHz relativistic backward wave oscillator. , 2015, , .  |     | 2         |
| 84 | Ka-band traveling wave tube driving by relativistic sheet electron beam. , 2015, , .   |     | 2         |
| 85 | Design of the radial divergent sheet beam electron optical system with cylindrical emission surface. , 2015, , .   |     | 2         |
| 86 | Simulation study of a W-band broadband extended interaction klystron. , 2016, , .  |     | 2         |
| 87 | Recent advances in high-power metamaterial microwave sources at UESTC. , 2017, , .   |     | 2         |
| 88 | Study on the dispersion characteristics of sine waveguide based on the field match method. , 2017, , .   |     | 2         |
| 89 | Study of a Water-Immersed Orbital Angular Momentum Horn Antenna. , 2018, , .   |     | 2         |
| 90 | Design of a low-gain high-power $\langle i \rangle W$ -band sheet-beam traveling wave tube using a double-staggered grating slow wave structure. Journal of Electromagnetic Waves and Applications, 2019, 33, 1996-2008. | 1.6 | 2         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | The Interaction Between Two-dimensional Electron Gas and Terahertz Plasma Wave in HEMT-like Structure. , 2019, , .   |     | 2         |
| 92  | A Semi-Analytic Numerical Algorithm of Diamond Pillbox Windows for Terahertz Vacuum Electron Device Applications. IEEE Electron Device Letters, 2021, 42, 252-255. | 4.0 | 2         |
| 93  | A Simulation Method Based on Nonlinear Theory for Noise Analysis in Traveling-Wave Tube. IEEE Transactions on Electron Devices, 2021, 68, 5858-5863.               | 3.1 | 2         |
| 94  | Design and Sensitivity Analysis of an Electro-Optical System for a Ka-Band Traveling Wave Tube. , 2021, , .  |     | 2         |
| 95  | Staggered Double-vane Slow-wave Structure with Attenuators for a 220 GHz Sheet Beam Traveling-wave Tube. , 2021, , .   |     | 2         |
| 96  | A Thermal Analysis Method for Dielectric Supported Ring-bar Meander Line Slow Wave Structure. , 2020, , .  |     | 2         |
| 97  | Terahertz radiation generated by electron-beam-driven plasma waves in a transverse external magnetic field. Physics of Plasmas, 2022, 29, .                        | 1.9 | 2         |
| 98  | Focusing high-current sheet electron beam with elliptical solenoid. , 2010, , .  |     | 1         |
| 99  | Ellipse-shaped electron gun for W-band sheet beam devices. , 2012, , .   |     | 1         |
| 100 | Nonrelativistic electron beam control and its application in terahertz radiation generation. , 2013, , .   |     | 1         |
| 101 | A 0.34THz sine waveguide TWT with cylindrical beam tunnel. , 2015, , .   |     | 1         |
| 102 | Design of a two-stage Ka-band relativistic sheet electron beam traveling wave tube. , 2017, , .  |     | 1         |
| 103 | Study of a water-immersed ultra-wide band microstrip patch antenna. , 2017, , .  |     | 1         |
| 104 | The Study of Q-band Sheet Beam Backward Wave Oscillator Based on a Planar U-shaned Slot-line Slow-wave Structure. , 2018, , .                                      |     | 1         |
| 105 | Preliminary design of a three-slot-staggered-ladder coupled-cavity structure for W-band pulse power Traveling Wave Tube. , 2018, , .                               |     | 1         |
| 106 | Uniform permanent magnetic field with hemi-ladder structure for sheet electron beam focusing. , 2018, , .  |     | 1         |
| 107 | Electron Optical System with Uniform Magnetic Field for 220 GHz Sheet Beam TWT. , 2019, , .  |     | 1         |
| 108 | Preliminary experimental investigations into an oversized coaxial relativistic klystron amplifier at Ka band. , 2019, , .  |     | 1         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Thermal and Stress Analysis of the planar slow wave structure for Ka-band TWT. , 2019, , .  |     | 1         |
| 110 | Transmission Characteristics of Double Staggered Grating Waveguide SWS: Simulation and Measurement. , 2019, , .   |     | 1         |
| 111 | Fabrication and Test of a W-band Three-Slot-Staggered-Ladder Coupled-Cavity TWT Circuit. , 2019, , .  |     | 1         |
| 112 | Design and Experiment of 4ÂMW Ka Band Sheet Electron Beam TWT. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 637-647.                           | 2.2 | 1         |
| 113 | Experiment on the electromagnetic radiation excited in an electron beamâ€œion channel system. Contributions To Plasma Physics, 2019, 59, e201900035.              | 1.1 | 1         |
| 114 | A Multi-Beam Terahertz Coaxial Cavity Reflex Klystron. , 2020, , .  |     | 1         |
| 115 | Compact and High-efficiency Metamaterial Extended Interaction Oscillator. , 2020, , .   |     | 1         |
| 116 | Investigation on a 0.34THz Dual-Open-Cavity Extended Interaction Klystron. , 2021, , .  |     | 1         |
| 117 | Plasma Frequency Reduction Factors of Sheet Electron Beam in Rectangular Waveguide. , 2021, , .   |     | 1         |
| 118 | Simulation Design of <i>G</i>-Band FWG TWT Amplifier Enhanced by <i>Ï€</i>-Mode Extended Interaction. IEEE Transactions on Electron Devices, 2022, 69, 4604-4610. | 3.1 | 1         |
| 119 | High power terahertz radiation generated by beam-plasma system in multi-filament regime. Physics of Plasmas, 2022, 29, 073103.                                    | 1.9 | 1         |
| 120 | 3D simulation of Wiggler field focusing sheet electron beam. , 2008, , .  |     | 0         |
| 121 | Research on 0.22THz folded-waveguide traveling-wave tube with a proper phase-velocity taper. , 2015, , .  |     | 0         |
| 122 | A Ka-band relativistic sheet electron beam traveling wave tube using electric coupling input structure. , 2015, , .   |     | 0         |
| 123 | Study on Ka-band relativistic sheet electron beam Orotron. , 2015, , .  |     | 0         |
| 124 | Study on 140 GHz double-ridge-loaded folded waveguide slow wave structure with big electron tunnel. , 2016, , .   |     | 0         |
| 125 | Dual-band transmission measurement in a metamaterial. , 2017, , .   |     | 0         |
| 126 | THz electromagnetic radiation in beam-plasma system under different ions' quantity. , 2017, , .   |     | 0         |



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|-----|---|-----|-----------|
| 127 | Study of 220GHz relativistic BWO with phase velocity taper. , 2017, , .   |     | 0         |
| 128 | 220 GHz Dual Beam Photonic Crystal Folded Waveguide TWT. , 2018, , .  |     | 0         |
| 129 | Design of a 340ÅGHz phaseâ€velocityâ€™taper travelling wave tube. Journal of Engineering, 2018, 2018, 673-677. 1.1  |     | 0         |
| 130 | Study on Broadband Ridge-Loaded Symmetrical Conformal Microstrip Meander Line Traveling Wave Tube at Ka- Band. , 2019, , .  |     | 0         |
| 131 | Theoretical Investigation into an Ultra-Wideband Helix Traveling-Wave Tube. , 2019, , .   |     | 0         |
| 132 | Simulation of high injection efficiency of multibeam diode for Ka-band relativistic klystron amplifier. , 2019, , .   |     | 0         |
| 133 | Investigation on 0.1 THz Array Beams Folded Waveguide Traveling Wave Tube. , 2019, , .  |     | 0         |
| 134 | Design of Electron Optical System for 0.22THz Folded Waveguide TWT. , 2019, , .   |     | 0         |
| 135 | Analysis of Folded Waveguide TWT with Non-Central Double Beams. , 2019, , .   |     | 0         |
| 136 | Research on Y-Band Double Grating Diffraction Radiation Oscillators. , 2019, , .  |     | 0         |
| 137 | Metamaterial-based Vacuum Electronic Devices with Miniaturization. , 2020, , .  |     | 0         |
| 138 | Electron-optical system for dual radial sheet beams for Ka-band cascaded angular log-periodic strip-line traveling wave tube. AIP Advances, 2021, 11, 035325.                 | 1.3 | 0         |
| 139 | The Effects of Grating Profile on Dispersion Relations of Surface Plasmon Polaritons in Kretschmannâ€™Raether Configuration. Plasmonics, 2021, 16, 2249-2258.                 | 3.4 | 0         |
| 140 | Numerical Computation of Hydrodynamic Equations Based on Dyakonov-Shur Instability. , 2021, , .   |     | 0         |
| 141 | S-band Two-gap Metamaterial Extended Interaction Oscillator. , 2021, , .  |     | 0         |
| 142 | S Band Metamaterial-Based Amplifier. , 2018, , .  |     | 0         |
| 143 | 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 | 0         |
| 144 | Miniaturized Metamaterial-based Sheet Beam Radiation Sources. , 2020, , .   |     | 0         |

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|-----|---|----|-----------|
| 145 | Broad bandwidth Suspending Conformal Angular Meander Line Slow Wave Structure. , 2020, , .  |    | 0         |
| 146 | T-shape Vane Slow-wave Structure for 220 GHz Sheet Beam Traveling-wave Tubes. , 2020, , .   |    | 0         |
| 147 | A Low-Voltage Backward Wave Oscillator Operating at THz Band. , 2020, , .                   |    | 0         |
| 148 | Simulation of Non-Periodic Folded Waveguide Slow Wave Structure. , 2020, , .                |    | 0         |
| 149 | PIC Simulation of Multi-beam Terahertz Coaxial Resonator Reflex Klystron. , 2021, , .       |    | 0         |
| 150 | Design of a High Compression Ratio Electron Gun for Terahertz TWT Applications. , 2021, , . |    | 0         |
| 151 | A W-Band Radial Klystron Amplifier. , 2021, , .   |    | 0         |
| 152 | Recent Advances in Intense Microwave Generation Using Metamaterials. , 2020, , .            |    | 0         |
| 153 | The Study of Very Low Voltage Planar Slow Wave Structure For Compact TWT. , 2020, , .       |    | 0         |