# Yubing Gong

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 258 papers | 1,851 citations | 20 h-index | 32 g-index |
| 415 ext. papers | 2,583 ext. citations | 2.7 avg, IF | 4.73 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 258 | Multiple Dielectric-Supported Ridge-Loaded Rhombus-Shaped Wideband Meander-Line Slow-Wave Structure for a V-Band TWT. *Electronics (Switzerland)*, **2022**, 11, 405 | 2.6 | 1 |
| 257 | Compact reversed Cherenkov radiation oscillator with high efficiency. *Applied Physics Letters*, **2022**, 120, 053501 | 3.4 | 3 |
| 256 | A Ka-Band Angular Log-Periodic Meander-Line SWS Supported by Diamond Rods. *IEEE Transactions on Electron Devices*, **2022**, 1-6 | 2.9 | |
| 255 | Design of a Ka-Band Traveling Wave Tube Using Low Turn-On Field Emission Electron Source Made by Carbon Nanotubes. *IEEE Transactions on Plasma Science*, **2022**, 50, 29-35 | 1.3 | 2 |
| 254 | Accurate Local Modulation of Graphene Terahertz Metamaterials by Direct Electron Beam Irradiation. *Photonics*, **2022**, 9, 87 | 2.2 | |
| 253 | Reconstruction of three-dimensional objects in layered composite structures from multimode orbital angular momentum.. *Physical Review E*, **2022**, 105, 025302 | 2.4 | 1 |
| 252 | Theoretical investigation on the effect of terahertz wave on Ca transport in the calcium channel.. *IScience*, **2022**, 25, 103561 | 6.1 | 2 |
| 251 | On the molecular mechanisms implicated in the bipolar cancellation of membrane electroporation. *Biochimica Et Biophysica Acta - Biomembranes*, **2022**, 1864, 183811 | 3.8 | 1 |
| 250 | Improved Gain Equalization Technique for Q-Band Folded-Waveguide TWT for Potential Application in High-Data-Rate Communication. *IEEE Transactions on Electron Devices*, **2022**, 1-6 | 2.9 | 1 |
| 249 | Design and Measurement of Power-Coupling Structure for Parallel Operation of Two Folded Groove Waveguides. *IEEE Transactions on Electron Devices*, **2022**, 1-6 | 2.9 | |
| 248 | A 0.14 THz Angular Radial Extended Interaction Oscillator. *IEEE Transactions on Electron Devices*, **2022**, 69, 1468-1473 | 2.9 | 1 |
| 247 | High-Frequency Vacuum Electron Devices. *Electronics (Switzerland)*, **2022**, 11, 817 | 2.6 | |
| 246 | Theoretical and Experimental Investigations on Input Couplers for a Double Confocal Gyro-Amplifier. *IEEE Transactions on Electron Devices*, **2022**, 1-6 | 2.9 | |
| 245 | Detailed Investigation on Nonstationary Behavior in a Frequency-Tunable Gyrotron. *IEEE Transactions on Electron Devices*, **2022**, 1-7 | 2.9 | 0 |
| 244 | 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**, 1-6 | 1.3 | |
| 243 | Terahertz radiation generated by electron-beam-driven plasma waves in a transverse external magnetic field. *Physics of Plasmas*, **2022**, 29, 053106 | 2.1 | |
| 242 | Stent detection with very thick tissue coverage in intravascular OCT.. *Biomedical Optics Express*, **2021**, 12, 7500-7516 | 3.5 | 1 |

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|---|---|---|---|
| 241 | Broadband and Integratable 2 □2 TWT Amplifier Unit for Millimeter Wave Phased Array Radar. *Electronics (Switzerland)*, **2021**, 10, 2808 | 2.6 | 2 |
| 240 | Parallel Arrangement Folded Double-Ridge Groove Waveguide for High-Power Terahertz Traveling-Wave Tube. *IEEE Transactions on Plasma Science*, **2021**, 49, 3519-3523 | 1.3 | |
| 239 | Optical Realization of Wave-Based Analog Computing with Metamaterials. *Applied Sciences (Switzerland)*, **2021**, 11, 141 | 2.6 | 5 |
| 238 | A Simulation Method Based on Nonlinear Theory for Noise Analysis in Traveling-Wave Tube. *IEEE Transactions on Electron Devices*, **2021**, 1-6 | 2.9 | |
| 237 | Experimental Investigation of an Electron-Optical System for Terahertz Traveling-Wave Tubes. *IEEE Transactions on Electron Devices*, **2021**, 1-7 | 2.9 | 6 |
| 236 | Improvement of spatial resolution by tilt correction in near-field scanning microwave microscopy. *AIP Advances*, **2021**, 11, 035114 | 1.5 | 0 |
| 235 | 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 | 1.5 | |
| 234 | . *IEEE Microwave Magazine*, **2021**, 22, 18-33 | 1.2 | 4 |
| 233 | Complex Permittivity Characterization of Liquid Samples Based on a Split Ring Resonator (SRR). *Sensors*, **2021**, 21, | 3.8 | 1 |
| 232 | 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 | 2.9 | 2 |
| 231 | Focusing of the Sheet Electron Beam With Two-Plane Periodic Cusped Magnetic System for Terahertz TWTs. *IEEE Transactions on Electron Devices*, **2021**, 68, 3056-3062 | 2.9 | 3 |
| 230 | Automated segmentation of retinal nonperfusion area in fluorescein angiography in retinal vein occlusion using convolutional neural networks. *Medical Physics*, **2021**, 48, 648-658 | 4.4 | 3 |
| 229 | Throughput Performance of Wireless Multiple-Input Multiple-Output Systems Using OAM Antennas. *IEEE Wireless Communications Letters*, **2021**, 10, 261-265 | 5.9 | 9 |
| 228 | Computer-Aided Intraoperative Toric Intraocular Lens Positioning and Alignment During Cataract Surgery. *IEEE Journal of Biomedical and Health Informatics*, **2021**, 25, 3921-3932 | 7.2 | 0 |
| 227 | Acoustic impact of the human skull on transcranial photoacoustic imaging. *Biomedical Optics Express*, **2021**, 12, 1512-1528 | 3.5 | 4 |
| 226 | Investigation of Sine Groove Waveguide Slow Wave Structure for Terahertz Traveling Wave Tube. *IEEE Transactions on Electron Devices*, **2021**, 68, 804-810 | 2.9 | 2 |
| 225 | A Semi-Analytic Numerical Algorithm of Diamond Pillbox Windows for Terahertz Vacuum Electron Device Applications. *IEEE Electron Device Letters*, **2021**, 42, 252-255 | 4.4 | 1 |
| 224 | Smith-Purcell radiation based on the transmission enhancement of a subwavelength hole array with inner tunnels. *Optics Express*, **2021**, 29, 7767-7777 | 3.3 | 2 |

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| 223 | A New Method to Focus SEBs Using the Periodic Magnetic Field and the Electrostatic Field. *Electronics (Switzerland)*, **2021**, 10, 2118 | 2.6 | 1 |
| 222 | Novel mechanism for terahertz radiation by oblique colliding of two electron beams in plasma. *Journal Physics D: Applied Physics*, **2021**, 54, 435206 | 3 | 0 |
| 221 | High-precision digital terahertz phase manipulation within a multichannel field perturbation coding chip. *Nature Photonics*, **2021**, 15, 751-757 | 33.9 | 13 |
| 220 | A Miniaturized Single-Wall Carbon Nanotubes Field Emission Cathode With RF Excited by Coaxial Resonant Cavity. *IEEE Transactions on Electron Devices*, **2021**, 68, 4681-4686 | 2.9 | |
| 219 | Study of an Attenuator Supporting Meander-Line Slow Wave Structure for Ka-Band TWT. *Electronics (Switzerland)*, **2021**, 10, 2372 | 2.6 | 2 |
| 218 | High-efficiency threshold-less Cherenkov radiation generation by a graphene hyperbolic grating in the terahertz band. *Carbon*, **2021**, 183, 225-231 | 10.4 | 4 |
| 217 | Dielectric-Supported Staggered Dual Meander-Line Slow Wave Structure for an E-Band TWT. *IEEE Transactions on Electron Devices*, **2021**, 68, 369-375 | 2.9 | 3 |
| 216 | Design and Experiments of the Sheet Electron Beam Transport with Periodic Cusped Magnetic Focusing for Terahertz Traveling-Wave Tubes. *Electronics (Switzerland)*, **2021**, 10, 3051 | 2.6 | 2 |
| 215 | A Novel Slow-Wave Structure□Coupled Double Folded Waveguide Operating at High-Order TM□ Mode for Terahertz TWT. *IEEE Electron Device Letters*, **2021**, 42, 1871-1874 | 4.4 | 2 |
| 214 | Maximizing the Field Emission Performance of Graphene Arrays. *Nanomaterials*, **2020**, 10, | 5.4 | 2 |
| 213 | Investigation of Double Tunnel Sine Waveguide Slow-Wave Structure for Terahertz Dual-Beam TWT. *IEEE Transactions on Electron Devices*, **2020**, 67, 2176-2181 | 2.9 | 8 |
| 212 | Theory and Experiment of High-Gain Modified Angular Log-Periodic Folded Waveguide Slow Wave Structure. *IEEE Electron Device Letters*, **2020**, 41, 1237-1240 | 4.4 | 5 |
| 211 | Transient proton transfer of base pair hydrogen bonds induced by intense terahertz radiation. *Physical Chemistry Chemical Physics*, **2020**, 22, 9316-9321 | 3.6 | 11 |
| 210 | The Effect of KcsA Channel on Lipid Bilayer Electroporation Induced by Picosecond Pulse Trains. *Journal of Membrane Biology*, **2020**, 253, 271-286 | 2.3 | 3 |
| 209 | An Active Transmission Matrix-Based Nonlinear Analysis for Folded Waveguide TWT. *IEEE Transactions on Electron Devices*, **2020**, 67, 1205-1210 | 2.9 | |
| 208 | Interpretation of the molecular mechanism of the electroporation induced by symmetrical bipolar picosecond pulse trains. *Biochimica Et Biophysica Acta - Biomembranes*, **2020**, 1862, 183213 | 3.8 | 2 |
| 207 | Theory, Simulation, and Analysis of the High-Frequency Characteristics for a Meander-Line Slow-Wave Structure Based on Field-Matching Methods With Dyadic Green□ Function. *IEEE Transactions on Electron Devices*, **2020**, 67, 697-703 | 2.9 | 2 |
| 206 | . *IEEE Access*, **2020**, 8, 53232-53239 | 3.5 | 8 |

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| 205 | High Power Angular Radial Staggered Vane Backward Wave Oscillator at W-Band. *IEEE Electron Device Letters*, **2020**, 41, 765-768 | 4.4 | 1 |
| 204 | Investigation of angular log-periodic folded groove waveguide slow-wave structure for low voltage Ka-band TWT. *AIP Advances*, **2020**, 10, 035030 | 1.5 | 3 |
| 203 | Study on an X-Band Sheet Beam Meander-Line SWS. *IEEE Transactions on Plasma Science*, **2020**, 48, 4149-4154 | 1.5 | 4 |
| 202 | Thermoacoustic endoscopy. *Applied Physics Letters*, **2020**, 116, 013702 | 3.4 | 3 |
| 201 | Numerical Study of Voltage-Gated Ca2+ Transport Irradiated by Terahertz Electromagnetic Wave. *IEEE Access*, **2020**, 8, 10305-10315 | 3.5 | 8 |
| 200 | . *IEEE Electron Device Letters*, **2020**, 41, 284-287 | 4.4 | 10 |
| 199 | A Novel Scheme for Gain and Power Enhancement of THz TWTs by Extended Interaction Cavities. *IEEE Transactions on Electron Devices*, **2020**, 67, 667-672 | 2.9 | 2 |
| 198 | Progress towards High-Efficiency and Stable Tin-Based Perovskite Solar Cells. *Energies*, **2020**, 13, 5092 | 3.1 | 17 |
| 197 | Tower-Like ZnO Nanorod Bundles Grown on Freestanding Diamond Wafers for Electron Field Emission Improvement. *Journal of Materials Engineering and Performance*, **2020**, 29, 6078-6084 | 1.6 | |
| 196 | Design and Cold Test of Dual Beam Azimuthal Supported Angular Log-Periodic Strip-Line Slow Wave Structure. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2020**, 41, 785-795 | 2.2 | 8 |
| 195 | Tertiary Base Triple Formation in the SRV-1 Frameshifting Pseudoknot Stabilizes Secondary Structure Components. *Biochemistry*, **2020**, 59, 4429-4438 | 3.2 | 2 |
| 194 | Multiphysics analysis for unusual heat convection in microwave heating liquid. *AIP Advances*, **2020**, 10, 085201 | 1.5 | 5 |
| 193 | Complex Permittivity Measurement of High-Loss Biological Material with Improved Cavity Perturbation Method in the Range of 26.5–40 GHz. *Electronics (Switzerland)*, **2020**, 9, 1200 | 2.6 | 5 |
| 192 | Generating and Detecting Broad-Band Underwater Multiple OAMs Based on Water-Immersed Array. *IEEE Access*, **2020**, 8, 149586-149594 | 3.5 | 1 |
| 191 | Investigation on a Ka Band Diamond-Supported Meander-Line SWS. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2020**, 41, 1460-1468 | 2.2 | 5 |
| 190 | Novel S-Band Metamaterial Extended Interaction Klystron. *IEEE Electron Device Letters*, **2020**, 41, 1580-1583 | 4.4 | 11 |
| 189 | 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 | 1.3 | 4 |
| 188 | Simulation of terahertz-band metamaterial sensor for thin film analyte detection. *AIP Advances*, **2020**, 10, 085227 | 1.5 | 1 |

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| 187 | Modulation of Voltage-Gated Calcium Influx by Electromagnetic Irradiation With Terahertz Gaussian Pulse. *IEEE Access*, **2020**, 8, 133673-133680 | 3.5 | 2 |
| 186 | 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 | 2 |
| 185 | Defect Detection in Graphene Preparation Based on Near-Field Scanning Microwave Microscopy. *IEEE Microwave and Wireless Components Letters*, **2020**, 30, 757-760 | 2.6 | 0 |
| 184 | Effect of the Pressure of Reaction Gases on the Growth of Single-Crystal Graphene on the Inner Surfaces of Copper Pockets. *Micromachines*, **2020**, 11, | 3.3 | 1 |
| 183 | Novel Helical Groove Rectangular Waveguide Slow Wave Structure for 0.2 THz Traveling Wave Tube. *IEEE Electron Device Letters*, **2019**, 40, 1526-1529 | 4.4 | 6 |
| 182 | Microfabrication of A Conformal Microstrip Angular Log-periodic Meander Line TWT **2019**, | | 4 |
| 181 | Study on Radial Convergent Beam Angular Mirror Symmetrical Log-Periodic Strip Line SWS **2019**, | | 3 |
| 180 | Flexibly Extensible Planar Self-Isolated Wideband MIMO Antenna for 5G Communications. *Electronics (Switzerland)*, **2019**, 8, 994 | 2.6 | 3 |
| 179 | High power folded waveguide traveling wave tube based on variable-width technology. *Physics of Plasmas*, **2019**, 26, 053106 | 2.1 | 6 |
| 178 | Oversized coaxial relativistic extended interaction oscillator with gigawatt-level output at Ka-band. *Physics of Plasmas*, **2019**, 26, 043107 | 2.1 | 6 |
| 177 | Input and Output Couplers for an Oversized Coaxial Relativistic Klystron Amplifier at Ka-Band. *IEEE Transactions on Electron Devices*, **2019**, 66, 2758-2763 | 2.9 | 10 |
| 176 | High Isolation Millimeter-Wave Wideband MIMO Antenna for 5G Communication. *International Journal of Antennas and Propagation*, **2019**, 2019, 1-12 | 1.2 | 17 |
| 175 | Characterization of Metamaterial Slow-Wave Structure Loaded With Complementary Electric Split-Ring Resonators. *IEEE Transactions on Microwave Theory and Techniques*, **2019**, 67, 2238-2246 | 4.1 | 14 |
| 174 | Design and Experiment of 4 MW Ka Band Sheet Electron Beam TWT. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2019**, 40, 637-647 | 2.2 | 1 |
| 173 | Experiment on the electromagnetic radiation excited in an electron beam-ion channel system. *Contributions To Plasma Physics*, **2019**, 59, e201900035 | 1.4 | 1 |
| 172 | Some Advances in Theory and Experiment of High-Frequency Vacuum Electron Devices in China. *IEEE Transactions on Plasma Science*, **2019**, 47, 1971-1990 | 1.3 | 10 |
| 171 | . *IEEE Transactions on Plasma Science*, **2019**, 47, 2971-2978 | 1.3 | 13 |
| 170 | Preliminary experimental investigations into an oversized coaxial relativistic klystron amplifier at Ka band **2019**, | | 1 |

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| 169 | . *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 1337-1341 | 3.8 | 5 |
| 168 | Stacked dual beam electron optical system for THz integrated wideband traveling wave tube. *Physics of Plasmas*, **2019**, 26, 063106 | 2.1 | 14 |
| 167 | A miniaturized high-gain, high-efficiency metamaterial assited S-band extended interaction klystron **2019**, | | 2 |
| 166 | Study of low voltage angular log-periodic slow wave structure for 340 GHz TWT **2019**, | | 3 |
| 165 | Generating Multiple OAM Based on a Nested Dual-Arm Spiral Antenna. *IEEE Access*, **2019**, 7, 138541-138547 | 3.5 | 17 |
| 164 | Double-Anode Sheet-Beam Electron Gun with a Circular Cathode for 220 GHz TWT **2019**, | | 1 |
| 163 | High-order acoustic vortex field generation based on a metasurface. *Physical Review E*, **2019**, 100, 053315 | 2.4 | 15 |
| 162 | Experimental Advances in 220 GHz Sheet-Beam Traveling-Wave Tubes **2019**, | | 4 |
| 161 | The Interaction Between Two-dimensional Electron Gas and Terahertz Plasma Wave in HEMT-like Structure **2019**, | | 1 |
| 160 | Designing a Water-Immersed Rectangular Horn Antenna for Generating Underwater OAM Waves. *Electronics (Switzerland)*, **2019**, 8, 1224 | 2.6 | 4 |
| 159 | Metamaterial-Inspired Vacuum Electron Devices and Accelerators. *IEEE Transactions on Electron Devices*, **2019**, 66, 207-218 | 2.9 | 23 |
| 158 | 3-D Fast Nonlinear Simulation for Beam–Wave Interaction of Sheet Beam Traveling-Wave Tube. *IEEE Transactions on Electron Devices*, **2019**, 66, 1504-1511 | 2.9 | 4 |
| 157 | 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 | 2.9 | 7 |
| 156 | Third-Harmonic Traveling-Wave Tube Multiplier-Amplifier. *IEEE Transactions on Electron Devices*, **2018**, 65, 2189-2194 | 2.9 | 5 |
| 155 | Dual-band circularly polarised planar monopole antenna for WLAN/Wi-Fi/Bluetooth/WiMAX applications. *IET Microwaves, Antennas and Propagation*, **2018**, 12, 972-976 | 1.6 | 8 |
| 154 | Extended interaction oversized coaxial relativistic klystron amplifier with gigawatt-level output at Ka band. *Physics of Plasmas*, **2018**, 25, 043116 | 2.1 | 4 |
| 153 | Design of a Cascade Backward-Wave Oscillator Based on Metamaterial Slow-Wave Structure. *IEEE Transactions on Electron Devices*, **2018**, 65, 1172-1178 | 2.9 | 8 |
| 152 | Study of a miniaturized dual-beam TWT with planar dielectric-rods-support uniform metallic meander line. *Physics of Plasmas*, **2018**, 25, 063113 | 2.1 | 4 |

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| 151 | High frequency characteristics of a metamaterial slow wave structure **2018**, | | 2 |
| 150 | Study on the ridge loaded azimuthal supported angular log-periodic strip meander line slow wave structure **2018**, | | 4 |
| 149 | Investigation of low voltage angular log-periodic folded groove waveguide slow wave structure for G-band TWT **2018**, | | 3 |
| 148 | Study on single radial sheet beam azimuthal support angular log- periodic strip line Travelling Wave Tube **2018**, | | 5 |
| 147 | Angular log-periodic meander line traveling wave tube based on quartz substrate **2018**, | | 4 |
| 146 | Study for 850 GHz sheet beam staggered double-vane traveling wave tube considering the metal loss **2018**, | | 1 |
| 145 | Mutual Coupling Reduction between Patch Antennas Using Meander Line. *International Journal of Antennas and Propagation*, **2018**, 2018, 1-7 | 1.2 | 12 |
| 144 | Design of a 340□GHz phase-velocity-taper travelling wave tube. *Journal of Engineering*, **2018**, 2018, 673-67 | 0.7 | |
| 143 | Study on plasma-photonic-crystal-like beam□plasma system. *Journal of Engineering*, **2018**, 2018, 669-672 | 0.7 | |
| 142 | Terahertz Electric Field-Induced Membrane Electroporation by Molecular Dynamics Simulations. *Journal of Membrane Biology*, **2018**, 251, 681-693 | 2.3 | 7 |
| 141 | Numerical Study on Calcium Transport Through Voltage-Gated Calcium Channels in Response to Nanosecond Pulsed Electric Field. *IEEE Transactions on Plasma Science*, **2018**, 46, 2562-2572 | 1.3 | 3 |
| 140 | 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 | |
| 139 | Study of a Water-Immersed Orbital Angular Momentum Horn Antenna **2018**, | | 2 |
| 138 | A numerical study for dielectric constant profile of aqueous solvent in ionic solution radiated by high-intensity electric pulses. *AIP Advances*, **2018**, 8, 115217 | 1.5 | 3 |
| 137 | Investigation of Staggered Double Grating Slow Wave Structure Loaded by Photonic Crystals **2018**, | | 1 |
| 136 | Sheet Beam Electron Gun with High Current for 220 GHz TWT **2018**, | | 3 |
| 135 | 0.85 THz truncated sine waveguide traveling-wave tube with sheet beam tunnel. *Journal of Engineering*, **2018**, 2018, 665-668 | 0.7 | 3 |
| 134 | Design of W-band sheet beam travelling wave tubes based on staggered double vane slow wave structure. *Journal of Engineering*, **2018**, 2018, 698-703 | 0.7 | 3 |

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| 133 | Oversized coaxial output cavity for Ka band relativistic klystron. *Journal of Engineering*, **2018**, 2018, 678-681 | 0.7 | 3 |
| 132 | Microstrip angular log-periodic slow wave structure on quartz substrate with coaxial input/output coupler. *Journal of Engineering*, **2018**, 2018, 692-697 | 0.7 | 2 |
| 131 | Study on W-band sheet-beam traveling-wave tube based on flat-roofed sine waveguide. *AIP Advances*, **2018**, 8, 055116 | 1.5 | 14 |
| 130 | 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 | 1.3 | 7 |
| 129 | Study on Radial Sheet Beam Electron Optical System for Miniature Low-Voltage Traveling-Wave Tube. *IEEE Transactions on Electron Devices*, **2017**, 64, 3405-3412 | 2.9 | 10 |
| 128 | Dual Band Metamaterial Cherenkov Oscillator With a Waveguide Coupler. *IEEE Transactions on Electron Devices*, **2017**, 64, 2376-2382 | 2.9 | 14 |
| 127 | Observation of the reversed Cherenkov radiation. *Nature Communications*, **2017**, 8, 14901 | 17.4 | 62 |
| 126 | Compact wideband MIMO antenna for 5G communication **2017**, | | 3 |
| 125 | Full-wave analysis of the high frequency characteristics of the sine waveguide slow-wave structure. *AIP Advances*, **2017**, 7, 085111 | 1.5 | 5 |
| 124 | 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 | 1.3 | 3 |
| 123 | Design of a two-stage Ka-band relativistic sheet electron beam traveling wave tube **2017**, | | 1 |
| 122 | Study of a water-immersed ultra-wide band microstrip patch antenna **2017**, | | 1 |
| 121 | $S$ -Band High-Efficiency Metamaterial Microwave Sources. *IEEE Transactions on Electron Devices*, **2016**, 63, 3747-3752 | 2.9 | 25 |
| 120 | Investigation on Sheet Beam Folded V-Shape Groove Waveguide for Millimeter-Wave TWT. *IEEE Transactions on Plasma Science*, **2016**, 44, 1363-1368 | 1.3 | 8 |
| 119 | Simulation study of a W-band broadband extended interaction klystron **2016**, | | 1 |
| 118 | A Ridge-Loaded Sine Waveguide for $G$ -Band Traveling-Wave Tube. *IEEE Transactions on Plasma Science*, **2016**, 44, 2832-2837 | 1.3 | 20 |
| 117 | 2-dimensional microstrip meander-line for broad band planar TWTs **2016**, | | 2 |
| 116 | Preliminary Design and Experiment of a Ridge-Loaded Staggered Single-Slot Rectangular Coupled-Cavity Structure for $X$ -Band Traveling-Wave Tube. *IEEE Transactions on Plasma Science*, **2016**, 44, 587-593 | 1.3 | 1 |

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| 115 | A High-Power Single Rectangular Grating Sheet Electron Beam Traveling-Wave Tube. *IEEE Transactions on Electron Devices*, **2016**, 63, 3262-3269 | 2.9 | 6 |
| 114 | THz electromagnetic radiation driven by intense relativistic electron beam based on ion focus regime. *Physics of Plasmas*, **2016**, 23, 063107 | 2.1 | 7 |
| 113 | Recent advances in theory and experiment of metamaterial-based high power radiation sources **2016**, | | 1 |
| 112 | Investigation of 0.38 THz backward-wave oscillator based on slotted sine waveguide and pencil electron beam. *Physics of Plasmas*, **2016**, 23, 033111 | 2.1 | 7 |
| 111 | Study on phase velocity tapered microstrip angular log-periodic meander line travelling wave tube. *IET Microwaves, Antennas and Propagation*, **2016**, 10, 902-907 | 1.6 | 14 |
| 110 | Sheet Electron Beam Transport in a Metamaterial-Loaded Waveguide Under the Uniform Magnetic Focusing. *IEEE Transactions on Electron Devices*, **2016**, 63, 2132-2138 | 2.9 | 11 |
| 109 | Study of the Symmetrical Microstrip Angular Log-Periodic Meander-Line Traveling-Wave Tube. *IEEE Transactions on Plasma Science*, **2016**, 44, 1787-1793 | 1.3 | 14 |
| 108 | Theoretical investigation of rectangular sheet beam transport in a waveguide loaded by a metamaterial **2016**, | | 2 |
| 107 | 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 | 1.3 | 2 |
| 106 | A Novel Method to Obtain the Slow-Wave Dispersion Characteristics of Slow-Wave Structures. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2016**, 37, 1055-1060 | 2.2 | |
| 105 | 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 | 2.9 | 1 |
| 104 | Dispersion Equations of a Rectangular Tape Helix Slow-Wave Structure. *IEEE Transactions on Microwave Theory and Techniques*, **2015**, 63, 1445-1456 | 4.1 | 10 |
| 103 | A V-band folded waveguide TWT **2015**, | | 2 |
| 102 | Dispersion, spatial growth rate, and start current of a Cherenkov free-electron laser with negative-index material. *Physics of Plasmas*, **2015**, 22, 083111 | 2.1 | 3 |
| 101 | An arbitrary staggered multi-vane traveling wave tube driven by double sheet electron beams **2015** , | | 2 |
| 100 | Analysis and Simulation of a Multigap Sheet Beam Extended Interaction Relativistic Klystron Amplifier. *IEEE Transactions on Plasma Science*, **2015**, 43, 1862-1870 | 1.3 | 10 |
| 99 | A D-band backward-wave oscillator based on quasi-parallel-plate slow-wave structure **2015**, | | 3 |
| 98 | Novel vacuum electronic devices based on reversed cherenkov radiation **2015**, | | 1 |

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| 97 | Ka-band traveling wave tube driving by relativistic sheet electron beam **2015**, | | 1 |
| 96 | A Novel Folded Waveguide for V-Band TWT. *IEEE Transactions on Plasma Science*, **2015**, 43, 4088-4091 | 1.3 | 6 |
| 95 | A 0.22 THz sine waveguide traveling-wave tube **2015**, | | 2 |
| 94 | 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 | 2.9 | 22 |
| 93 | All-metal metamaterial slow-wave structure for high-power sources with high efficiency. *Applied Physics Letters*, **2015**, 107, 153502 | 3.4 | 30 |
| 92 | A 1-kW 32–34-GHz Folded Waveguide Traveling Wave Tube. *IEEE Transactions on Plasma Science*, **2014**, 42, 8-12 | 1.3 | 5 |
| 91 | A Modified Slow-Wave Structure for Backward-Wave Oscillator Design in THz Band. *IEEE Transactions on Terahertz Science and Technology*, **2014**, 4, 741-748 | 3.4 | 9 |
| 90 | Novel W-Band Ridge-Loaded Folded Waveguide Traveling Wave Tube. *IEEE Electron Device Letters*, **2014**, 35, 1058-1060 | 4.4 | 12 |
| 89 | Study of Low- Voltage Radial Convergent Sheet Electron Optical System. *IEEE Transactions on Plasma Science*, **2014**, 42, 1847-1853 | 1.3 | 9 |
| 88 | Surface waves excited from negative-index materials. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 2345-2349 | 2.3 | 2 |
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