

Junpu Ling

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A novel all-metal metamaterial for constructing relativistic slow wave structure. AIP Advances, 2022, 12, 035345. | 1.3 | 1 |
| 2 | A V-Band Coaxial Relativistic Transit-Time Oscillator Operating in TM ₀₂ Mode With Shallow Corrugated Output Structure. IEEE Electron Device Letters, 2022, 43, 1125-1128. | 3.9 | 2 |
| 3 | A novel metamaterial slow wave structure with larger space-charge-limited current. Physics of Plasmas, 2021, 28, . | 1.9 | 3 |
| 4 | A novel dual-band nested transit time oscillator. AIP Advances, 2021, 11, . | 1.3 | 6 |
| 5 | A novel Ka-band coaxial transit time oscillator with internal extraction. Review of Scientific Instruments, 2021, 92, 094704. | 1.3 | 1 |
| 6 | Preliminary research of a V-band coaxial relativistic transit-time oscillator with traveling wave output structure. Physics of Plasmas, 2021, 28, . | 1.9 | 4 |
| 7 | A Ka-band coaxial transit time oscillator with a focusing cathode. AIP Advances, 2021, 11, . | 1.3 | 2 |
| 8 | A low-magnetic field high-efficiency high-power microwave source with novel diode structure. AIP Advances, 2020, 10, . | 1.3 | 10 |
| 9 | Field distribution and dispersion characteristics of a coaxial oversized slow wave structure with deep corrugation operating on high-order mode. AIP Advances, 2020, 10, . | 1.3 | 3 |
| 10 | A Coaxial V-Band Relativistic Transit-Time Oscillator Operating in TM ₀₂ Mode. IEEE Transactions on Plasma Science, 2020, 48, 4350-4355. | 1.3 | 9 |
| 11 | An improved Ku-band TTO with compact solenoid and better plasma-suppressing collector. AIP Advances, 2019, 9, 025126. | 1.3 | 2 |
| 12 | Investigation of a cross-band relativistic Cherenkov oscillator based on the cathode adjustment. AIP Advances, 2019, 9, . | 1.3 | 4 |
| 13 | A novel L-band metamaterial relativistic Cherenkov oscillator with high conversion efficiency. Physics of Plasmas, 2019, 26, . | 1.9 | 13 |
| 14 | A Ku-band coaxial transit-time oscillator with Pierce-like cathode under permanent magnet packaging. AIP Advances, 2018, 8, . | 1.3 | 1 |
| 15 | A novel L-band slow wave structure for compact and high-efficiency relativistic Cerenkov oscillator. Physics of Plasmas, 2018, 25, . | 1.9 | 20 |
| 16 | Experimental research on Ka-band coaxial transit-time oscillator. Physics of Plasmas, 2018, 25, . | 1.9 | 17 |
| 17 | A novel Ku-band relativistic transit-time oscillator with three-cavity extractor and distance-tunable reflector. Physics of Plasmas, 2017, 24, . | 1.9 | 8 |
| 18 | An L-band transit-time oscillator with mechanical frequency tunability. Physics of Plasmas, 2017, 24, . | 1.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | An Improved Ku-band MILO With Tapered Choke Cavity and Enlarged First Interaction Cavity. IEEE Transactions on Electron Devices, 2017, 64, 286-292. | 3.0 | 8 |
| 20 | A novel L-band coaxial transit-time oscillator with tunable frequency. AIP Advances, 2017, 7, . | 1.3 | 2 |
| 21 | Analysis and Suppression of the Higher Order Competition Modes in Ku-Band Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Plasma Science, 2016, 44, 755-760. | 1.3 | 10 |
| 22 | Research progresses on Cherenkov and transit-time high-power microwave sources at NUDT. Matter and Radiation at Extremes, 2016, 1, 163-178. | 3.9 | 65 |
| 23 | An Improved K_u -Band Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Plasma Science, 2015, 43, 3541-3545. | 1.3 | 4 |
| 24 | A novel Ka-band coaxial transit-time oscillator with a four-gap buncher. Physics of Plasmas, 2015, 22, 053107. | 1.9 | 23 |
| 25 | Experimental research on Ku-Band MILO. , 2015, , . | | 0 |
| 26 | Experimental research on Ku-band magnetically insulated transmission line oscillator. Physics of Plasmas, 2015, 22, 102112. | 1.9 | 5 |
| 27 | Suppression of the asymmetric competition mode in the relativistic Ku-band coaxial transit-time oscillator. Physics of Plasmas, 2014, 21, 103108. | 1.9 | 23 |
| 28 | Improved foilless Ku-band transit-time oscillator for generating gigawatt level microwave with low guiding magnetic field. Physics of Plasmas, 2014, 21, . | 1.9 | 17 |
| 29 | Focusing electrode and coaxial reflector used for reducing the guiding magnetic field of the Ku-band foilless transit-time oscillator. Review of Scientific Instruments, 2014, 85, 084702. | 1.3 | 18 |
| 30 | A novel coaxial Ku-band transit radiation oscillator without external guiding magnetic field. Physics of Plasmas, 2014, 21, 023114. | 1.9 | 19 |
| 31 | A coaxial ku-band transit radiation oscillator without an external guiding magnetic field. , 2013, , . | | 1 |
| 32 | High power microwave generation from the low-impedance transit-time oscillator without foils. Physics of Plasmas, 2012, 19, . | 1.9 | 15 |
| 33 | Experimental verification of a low-impedance transit-time oscillator without foils. Laser and Particle Beams, 2012, 30, 613-619. | 1.0 | 5 |
| 34 | Effects of Intense Relativistic Electron Beam on the Microwave Generation in a Foilless Low-Impedance Transit-Time Oscillator. IEEE Transactions on Plasma Science, 2012, 40, 1622-1631. | 1.3 | 13 |
| 35 | Design of a dual-frequency high-power microwave generator. Laser and Particle Beams, 2011, 29, 479-485. | 1.0 | 20 |