

Liangjie Bi

List of Publications by Year in descending order

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40
papers

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times ranked

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Power Enhancement of Subterahertz Extended Interaction Oscillator Based on Overmoded Multigap Circuit and Linearly Distributed Two Electron Beams. IEEE Transactions on Electron Devices, 2022, 69, 792-797. | 3.0 | 6 |
| 2 | Clarifying duplicated electromagnetic characteristics for 220-GHz two-beam extended interaction oscillator. AIP Advances, 2022, 12, . | 1.3 | 1 |
| 3 | Simplistic, Efficient, and Low-Cost Crack Detection of Dielectric Materials Based on Millimeter-Wave Interference. Electronics (Switzerland), 2022, 11, 583. | 3.1 | 2 |
| 4 | A 0.35-THz Extended Interaction Oscillator Based on Overmoded and Bi-Periodic Structure. IEEE Transactions on Electron Devices, 2021, 68, 5814-5819. | 3.0 | 8 |
| 5 | Analysis of the Resonator Part of a Ka-Band Multiple-Beam Extended-Interaction Oscillator through Electric Field Uniformity. Electronics (Switzerland), 2021, 10, 276. | 3.1 | 1 |
| 6 | Design and Analysis of an Overmoded Circuit for Two-Beam Sub-THz Extended Interaction Oscillator. IEEE Transactions on Electron Devices, 2021, 68, 5807-5813. | 3.0 | 4 |
| 7 | High-Efficiency Phase-Locking of Millimeter-Wave Magnetron for High-Power Array Applications. IEEE Electron Device Letters, 2021, 42, 1658-1661. | 3.9 | 21 |
| 8 | Design and analysis of a quasi-TM03 mode G-band extended interaction radiation source. AIP Advances, 2021, 11, 035327. | 1.3 | 2 |
| 9 | Demonstration of the Electronic Cutoff Field in Millimeter-Wave Extended Interaction Oscillators. IEEE Transactions on Electron Devices, 2021, 68, 2473-2479. | 3.0 | 6 |
| 10 | Clarifying Analytically Calculated Dispersion Relations of Finite-Length Overmoded Corrugated Cylindrical Azimuthally Symmetric Slow Wave Structures Using Numerical Simulations. IEEE Transactions on Electron Devices, 2021, 68, 2990-2995. | 3.0 | 2 |
| 11 | Tractable Resonant Circuit With Two Nonuniform Beams for a High-Power 0.22-THz Extended Interaction Oscillator. IEEE Electron Device Letters, 2021, 42, 931-934. | 3.9 | 16 |
| 12 | Computational study of an overmoded, with diameter to wavelength ratio $\hat{\alpha} \approx 8$, slow-wave structure (SWS) of a relativistic backward-wave oscillator (BWO) operating in the E-band frequency range. , 2021, , . | | 0 |
| 13 | Extended Interaction Circuit Based on two Beams with Arbitrary Uniformity for High Power Sub-Terahertz Applications. , 2021, , . | | 0 |
| 14 | Three-dimensional electromagnetic characteristic of overmoded coupling pattern for the cut-off extended interaction field in THz sheet beam resonant system. Journal Physics D: Applied Physics, 2020, 53, 135501. | 2.8 | 6 |
| 15 | Measurement of axial field distribution in a W-band extended interaction resonant cavity based on perturbation technique. AIP Advances, 2020, 10, 095022. | 1.3 | 1 |
| 16 | Third harmonic working based on the Smithâ€Purcell radiation in a closed structure. AIP Advances, 2020, 10, 065115. | 1.3 | 0 |
| 17 | The Radiation of Two Dimension Dipole Oscillations in Subwavelength Hole Array. , 2020, , . | | 0 |
| 18 | Characteristics of Electric Field Distribution in a G-band Overmoded Extended Interaction Oscillator. , 2020, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Power enhancement for millimeter-wave extended interaction radiation sources by using the TM31-mode scheme. Physics of Plasmas, 2019, 26, . | 1.9 | 6 |
| 20 | A High Order Mode sheet-beam Extended Interaction Oscillator at Ka-band. , 2019, , . | | 3 |
| 21 | THz radiation from a high-order mode sheet beam extended interaction oscillator with staggered grating. AIP Advances, 2019, 9, 085314. | 1.3 | 10 |
| 22 | Third-Harmonic Operating Extended Interaction Oscillator. , 2019, , . | | 0 |
| 23 | Analysis of Dual-Frequency Radiation From a G -Band Extended Interaction Oscillator With Double Sheet Beam. IEEE Transactions on Electron Devices, 2019, 66, 3184-3189. | 3.0 | 18 |
| 24 | Preliminary Circuit Analysis of a W -Band High-Power Extended Interaction Oscillator With Distributed Hollow Electron Beam. IEEE Transactions on Electron Devices, 2019, 66, 3190-3195. | 3.0 | 12 |
| 25 | Design and Analysis of a High-Order Mode Ladder-Type RF Circuit for Stable Operation in a W -Band Extended Interaction Oscillator. IEEE Transactions on Electron Devices, 2019, 66, 729-735. | 3.0 | 35 |
| 26 | Circuit Design of a Compact 5-kV W -Band Extended Interaction Klystron. IEEE Transactions on Electron Devices, 2018, 65, 1179-1184. | 3.0 | 22 |
| 27 | Improvement of the Beam-Wave Interaction Efficiency Based on the Coupling-Slot Configuration in an Extended Interaction Oscillator. Journal of the Korean Physical Society, 2018, 73, 1362-1369. | 0.7 | 0 |
| 28 | Study of a Dual-Mode W -Band Extended Interaction Oscillator. IEEE Transactions on Electron Devices, 2018, 65, 2620-2625. | 3.0 | 17 |
| 29 | Study of a high order mode extended interaction oscillator at W -band. , 2018, , . | | 4 |
| 30 | Feasibility study of a THz sheet beam extended interaction oscillator. , 2018, , . | | 3 |
| 31 | Start current study of a THz sheet beam extended interaction oscillator. Physics of Plasmas, 2018, 25, . | 1.9 | 15 |
| 32 | Preliminary Study of a Multiple-Beam Extended-Interaction Oscillator With Coaxial Structure. IEEE Transactions on Electron Devices, 2018, 65, 2108-2113. | 3.0 | 12 |
| 33 | A Novel Wire-Wrap Slow-Wave Structure for Terahertz Backward Wave Oscillator Applications. IEEE Transactions on Electron Devices, 2017, 64, 293-299. | 3.0 | 9 |
| 34 | Preliminary design of a THz EIO based on the pseudospark-sourced sheet electron beam. , 2017, , . | | 1 |
| 35 | Study of Electronic Switching Between Multiple Backward-Wave Modes in a W -Band Extended Interaction Oscillator. IEEE Transactions on Electron Devices, 2017, 64, 4686-4692. | 3.0 | 10 |
| 36 | Study of the oscillation startup time in a G -band EIO based on a pseudospark-sourced electron beam. , 2017, , . | | 0 |

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|----|---|-----|-----------|
| 37 | Design and analysis of a multiple-beam extended interaction oscillator with coaxial structure. , 2017, , . | | 1 |
| 38 | Design and analysis of a W-band high power extended interaction oscillator with distributed hollow electron beam. , 2016, , . | | 3 |
| 39 | Circuit design of a three-cavity W-band extended interaction klystron. , 2016, , . | | 0 |
| 40 | Dispersion diagrams of linear slow-wave structures. Identification of electromagnetic waves, all electromagnetic waves: forward-traveling, backward-traveling and standing electromagnetic waves. Journal of Electromagnetic Waves and Applications, 0, , 1-14. | 1.6 | 0 |