

Liangjie Bi

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

257
citations

933447

10
h-index

996975

15
g-index

40
all docs

40
docs citations

40
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Analysis of a High-Order Mode Ladder-Type RF Circuit for Stable Operation in a ω -Band Extended Interaction Oscillator. IEEE Transactions on Electron Devices, 2019, 66, 729-735.	3.0	35
2	Circuit Design of a Compact 5-kV W-Band Extended Interaction Klystron. IEEE Transactions on Electron Devices, 2018, 65, 1179-1184.	3.0	22
3	High-Efficiency Phase-Locking of Millimeter-Wave Magnetron for High-Power Array Applications. IEEE Electron Device Letters, 2021, 42, 1658-1661.	3.9	21
4	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
5	Study of a Dual-Mode ω -Band Extended Interaction Oscillator. IEEE Transactions on Electron Devices, 2018, 65, 2620-2625.	3.0	17
6	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
7	Start current study of a THz sheet beam extended interaction oscillator. Physics of Plasmas, 2018, 25, .	1.9	15
8	Preliminary Study of a Multiple-Beam Extended-Interaction Oscillator With Coaxial Structure. IEEE Transactions on Electron Devices, 2018, 65, 2108-2113.	3.0	12
9	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
10	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
11	THz radiation from a high-order mode sheet beam extended interaction oscillator with staggered grating. AIP Advances, 2019, 9, 085314.	1.3	10
12	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
13	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
14	Power enhancement for millimeter-wave extended interaction radiation sources by using the TM ₃₁ -mode scheme. Physics of Plasmas, 2019, 26, .	1.9	6
15	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
16	Demonstration of the Electronic Cutoff Field in Millimeter-Wave Extended Interaction Oscillators. IEEE Transactions on Electron Devices, 2021, 68, 2473-2479.	3.0	6
17	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
18	Study of a high order mode extended interaction oscillator at W-band. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	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
20	Design and analysis of a W-band high power extended interaction oscillator with distributed hollow electron beam. , 2016, , .		3
21	Feasibility study of a THz sheet beam extended interaction oscillator. , 2018, , .		3
22	A High Order Mode sheet-beam Extended Interaction Oscillator at Ka-band. , 2019, , .		3
23	Design and analysis of a quasi-TM ₀₃ mode G-band extended interaction radiation source. AIP Advances, 2021, 11, 035327.	1.3	2
24	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
25	Simplistic, Efficient, and Low-Cost Crack Detection of Dielectric Materials Based on Millimeter-Wave Interference. Electronics (Switzerland), 2022, 11, 583.	3.1	2
26	Preliminary design of a THz EIO based on the pseudospark-sourced sheet electron beam. , 2017, , .		1
27	Design and analysis of a multiple-beam extended interaction oscillator with coaxial structure. , 2017, , .		1
28	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
29	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
30	Clarifying duplicated electromagnetic characteristics for 220-GHz two-beam extended interaction oscillator. AIP Advances, 2022, 12, .	1.3	1
31	Circuit design of a three-cavity W-band extended interaction klystron. , 2016, , .		0
32	Study of the oscillation startup time in a G-band EIO based on a pseudospark-sourced electron beam. , 2017, , .		0
33	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
34	Third-Harmonic Operating Extended Interaction Oscillator. , 2019, , .		0
35	Third harmonic working based on the Smith's Purcell radiation in a closed structure. AIP Advances, 2020, 10, 065115.	1.3	0
36	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

#	ARTICLE	IF	CITATIONS
37	Computational study of an overmoded, with diameter to wavelength ratio $\hat{a} \approx 8$, slow-wave structure (SWS) of a relativistic backward-wave oscillator (BWO) operating in the E-band frequency range. , 2021, , .		0
38	Extended Interaction Circuit Based on two Beams with Arbitrary Uniformity for High Power Sub-Terahertz Applications. , 2021, , .		0
39	The Radiation of Two Dimension Dipole Oscillations in Subwavelength Hole Array. , 2020, , .		0
40	Characteristics of Electric Field Distribution in a G-band Overmoded Extended Interaction Oscillator. , 2020, , .		0