Junpu Ling

List of Publications by Year
in descending order

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35	357	759233 12	839539 18
papers	citations	h-index	g-index

35	35	35	173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Suppression of the asymmetric competition mode in the relativistic Ku-band coaxial transit-time oscillator. Physics of Plasmas, 2014, 21, 103108.	1.9	23
3	A novel Ka-band coaxial transit-time oscillator with a four-gap buncher. Physics of Plasmas, 2015, 22, 053107.	1.9	23
4	Design of a dual-frequency high-power microwave generator. Laser and Particle Beams, 2011, 29, 479-485.	1.0	20
5	A novel L-band slow wave structure for compact and high-efficiency relativistic Cerenkov oscillator. Physics of Plasmas, 2018, 25, .	1.9	20
6	A novel coaxial Ku-band transit radiation oscillator without external guiding magnetic field. Physics of Plasmas, 2014, 21, 023114.	1.9	19
7	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
8	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
9	Experimental research on Ka-band coaxial transit-time oscillator. Physics of Plasmas, 2018, 25, .	1.9	17
10	High power microwave generation from the low-impedance transit-time oscillator without foils. Physics of Plasmas, 2012, 19, .	1.9	15
11	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
12	A novel L-band metamaterial relativistic Cherenkov oscillator with high conversion efficiency. Physics of Plasmas, 2019, 26, .	1.9	13
13	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
14	A low-magnetic field high-efficiency high-power microwave source with novel diode structure. AIP Advances, 2020, 10, .	1.3	10
15	A CoaxialV-Band Relativistic Transit-Time Oscillator Operating in TM₀₂Mode. IEEE Transactions on Plasma Science, 2020, 48, 4350-4355.	1.3	9
16	A novel Ku-band relativistic transit-time oscillator with three-cavity extractor and distance-tunable reflector. Physics of Plasmas, 2017, 24, .	1.9	8
17	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
18	A novel dual-band nested transit time oscillator. AIP Advances, 2021, 11, .	1.3	6

#	Article	IF	Citations
19	Experimental verification of a low-impedance transit-time oscillator without foils. Laser and Particle Beams, 2012, 30, 613-619.	1.0	5
20	Experimental research on Ku-band magnetically insulated transmission line oscillator. Physics of Plasmas, 2015, 22, 102112.	1.9	5
21	An Improved <inline-formula> <tex-math notation="LaTeX">K_{u} </tex-math></inline-formula>-Band Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Plasma Science, 2015, 43, 3541-3545.	1.3	4
22	Investigation of a cross-band relativistic Cherenkov oscillator based on the cathode adjustment. AIP Advances, 2019, 9, .	1.3	4
23	Preliminary research of a V-band coaxial relativistic transit-time oscillator with traveling wave output structure. Physics of Plasmas, 2021, 28, .	1.9	4
24	An L-band transit-time oscillator with mechanical frequency tunability. Physics of Plasmas, 2017, 24, .	1.9	3
25	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
26	A novel metamaterial slow wave structure with larger space-charge-limited current. Physics of Plasmas, 2021, 28, .	1.9	3
27	A novel L-band coaxial transit-time oscillator with tunable frequency. AIP Advances, 2017, 7, .	1.3	2
28	An improved Ku-band TTO with compact solenoid and better plasma-suppressing collector. AIP Advances, 2019, 9, 025126.	1.3	2
29	A Ka-band coaxial transit time oscillator with a focusing cathode. AIP Advances, 2021, 11, .	1.3	2
30	A V-Band Coaxial Relativistic Transit-Time Oscillator Operating in TM₀₂Mode With Shallow Corrugated Output Structure. IEEE Electron Device Letters, 2022, 43, 1125-1128.	3.9	2
31	A coaxial ku-band transit radiation oscillator without an external guiding magnetic field. , 2013, , .		1
32	A Ku-band coaxial transit-time oscillator with Pierce-like cathode under permanent magnet packaging. AIP Advances, 2018, 8, .	1.3	1
33	A novel Ka-band coaxial transit time oscillator with internal extraction. Review of Scientific Instruments, 2021, 92, 094704.	1.3	1
34	A novel all-metal metamaterial for constructing relativistic slow wave structure. AIP Advances, 2022, 12, 035345.	1.3	1
35	Experimental research on Ku-Band MILO. , 2015, , .		0