

Dun Lu

List of Publications by Year in descending order

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papers

155
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all docs

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docs citations

34
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of sterilization by a microwave-generated low-temperature atmospheric pressure plasma jet. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2022, 56, 58-67.	0.8	2
2	Investigation on 220 GHz Taper Cascaded Over-Mode Circular Waveguide TE _{0n} Mode Converter. <i>Electronics (Switzerland)</i> , 2021, 10, 103.	3.1	1
3	Study on a Depressed Collector for a 75 ÅGHz Low-Voltage Compact Gyrotron for Industrial Application. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2021, 42, 211-219.	2.2	2
4	Frequency Tuning Characteristics of a High-Power Sub-THz Gyrotron with Quasi-Optical Cavity. <i>Electronics (Switzerland)</i> , 2021, 10, 526.	3.1	4
5	Over-Size Pill-Box Window for Sub-Terahertz Vacuum Electronic Devices. <i>Electronics (Switzerland)</i> , 2021, 10, 653.	3.1	1
6	Investigation on the Microwave Excited Plasma Filament at Atmospheric Pressure. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 1877-1881.	1.3	5
7	An Economic Real-Time Microwave Plasma Impedance Measurement Method. <i>IEEE Transactions on Plasma Science</i> , 2021, , 1-6.	1.3	0
8	A Broadband Quasi-Optical Mode Converter for Sub-Terahertz Confocal Gyrotron Devices. <i>IEEE Transactions on Electron Devices</i> , 2021, , 1-5.	3.0	0
9	Design of a Compact Millimeter Wave Gyrotron. , 2021, , .		1
10	Experimental Test on a Broadband Sub-Terahertz Quasi-Optical Mode Converter for High-Order Confocal Mode. , 2021, , .		0
11	Dual-Frequency Microwave Plasma Source Based on Microwave Coaxial Transmission Line. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9873.	2.5	2
12	Low-voltage Gyrotron as Simple Mm-Wave Source. , 2021, , .		0
13	Ultra-High Velocity Ratio in Magnetron Injection Guns for Low-Voltage Compact Gyrotrons. <i>Electronics (Switzerland)</i> , 2020, 9, 1587.	3.1	2
14	Langmuir Probe Diagnostics with Optical Emission Spectrometry (OES) for Coaxial Line Microwave Plasma. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8117.	2.5	8
15	Investigation on Symmetric and Asymmetric Broadband Low-Loss W-Band Pillbox Windows. <i>Electronics (Switzerland)</i> , 2020, 9, 2060.	3.1	1
16	Generating High-Power Continuous-Frequency Tunable Sub-Terahertz Radiation From a Quasi-Optical Gyrotron With Confocal Waveguide. <i>IEEE Electron Device Letters</i> , 2020, 41, 613-616.	3.9	13
17	Simulation of a 0.33-THz Second Harmonic Gyrotron Based on Double Confocal Cavity. , 2020, , .		1
18	Investigation on Dual Frequency Operation in Double Confocal Gyrotron. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	0.22-THz Frequency-Tunable Gyrotron with Transverse Sliced Cavity. , 2020, , .		0
20	Low-Temperature Sterilization by Atmospheric Pressure Plasma Jet. , 2020, , .		0
21	Design of a 75GHz Low Voltage-Continuous Wave Gyrotron with Mode Converter. , 2019, , .		1
22	Demonstration of a High Power Frequency-Tunable 0.22-THz Gyrotron Operating in High-Order Axial Modes. , 2019, , .		0
23	A Broadband low-loss W-band Pill-box Window. , 2019, , .		1
24	Harmonic terahertz gyrotron with a double confocal quasi-optical cavity. Physics of Plasmas, 2019, 26, 043109.	1.9	14
25	Experiment of a High-Power Sub-THz Gyrotron Operating in High-Order Axial Modes. IEEE Transactions on Electron Devices, 2019, 66, 2752-2757.	3.0	22
26	Demonstration of a High-Order Mode Input Coupler for a 220-GHz Confocal Gyrotron Traveling Wave Tube. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 183-194.	2.2	5
27	Dual band and dual mode overmode waveguide bend. , 2018, , .		1
28	Study of a 90-degree TE ₀₁ -TM ₁₁ oversized mode converter. , 2018, , .		0
29	A 0.4-THz Second Harmonic Gyrotron with Quasi-Optical Confocal Cavity. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1457-1470.	2.2	15
30	High harmonic terahertz confocal gyrotron with nonuniform electron beam. Physics of Plasmas, 2016, 23, .	1.9	11
31	Design of a 220-GHz continuous frequency-tunable gyrotron with quasi-optical cavity. , 2015, , .		4
32	Design and Experiment of a 220/420-GHz Gyrotron for Nondestructive Evaluation. IEEE Transactions on Electron Devices, 2014, 61, 2531-2537.	3.0	23
33	Studies on fast two-dimension terahertz raster scan imaging. , 2012, , .		0
34	Experiment Studies on Two-Dimension Terahertz Raster Scan Imaging. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 513-521.	2.2	15