

# Dun Lu

## List of Publications by Year in descending order

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34  
papers

155  
citations

1307594

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h-index

1199594

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all docs

34  
docs citations

34  
times ranked

109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Experiment of a 220/420-GHz Gyrotron for Nondestructive Evaluation. IEEE Transactions on Electron Devices, 2014, 61, 2531-2537.	3.0	23
2	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
3	Experiment Studies on Two-Dimension Terahertz Raster Scan Imaging. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 513-521.	2.2	15
4	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
5	Harmonic terahertz gyrotron with a double confocal quasi-optical cavity. Physics of Plasmas, 2019, 26, 043109.	1.9	14
6	Generating High-Power Continuous-Frequency Tunable Sub-Terahertz Radiation From a Quasi-Optical Gyrotron With Confocal Waveguide. IEEE Electron Device Letters, 2020, 41, 613-616.	3.9	13
7	High harmonic terahertz confocal gyrotron with nonuniform electron beam. Physics of Plasmas, 2016, 23, .	1.9	11
8	Langmuir Probe Diagnostics with Optical Emission Spectrometry (OES) for Coaxial Line Microwave Plasma. Applied Sciences (Switzerland), 2020, 10, 8117.	2.5	8
9	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
10	Investigation on the Microwave Excited Plasma Filament at Atmospheric Pressure. IEEE Transactions on Plasma Science, 2021, 49, 1877-1881.	1.3	5
11	Design of a 220-GHz continuous frequency-tunable gyrotron with quasi-optical cavity. , 2015, , .		4
12	Frequency Tuning Characteristics of a High-Power Sub-THz Gyrotron with Quasi-Optical Cavity. Electronics (Switzerland), 2021, 10, 526.	3.1	4
13	Ultra-High Velocity Ratio in Magnetron Injection Guns for Low-Voltage Compact Gyrotrons. Electronics (Switzerland), 2020, 9, 1587.	3.1	2
14	Study on a Depressed Collector for a 75ÅGHz Low-Voltage Compact Gyrotron for Industrial Application. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 211-219.	2.2	2
15	Dual-Frequency Microwave Plasma Source Based on Microwave Coaxial Transmission Line. Applied Sciences (Switzerland), 2021, 11, 9873.	2.5	2
16	Investigation of sterilization by a microwave-generated low-temperature atmospheric pressure plasma jet. Journal of Microwave Power and Electromagnetic Energy, 2022, 56, 58-67.	0.8	2
17	Dual band and dual mode overmode waveguide bend. , 2018, , .		1
18	Design of a 75GHz Low Voltage-Continuous Wave Gyrotron with Mode Converter. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	A Broadband low-loss W-band Pill-box Window. , 2019, , .		1
20	Investigation on Symmetric and Asymmetric Broadband Low-Loss W-Band Pillbox Windows. Electronics (Switzerland), 2020, 9, 2060.	3.1	1
21	Investigation on 220 GHz Taper Cascaded Over-Mode Circular Waveguide TE <sub>0n</sub> Mode Converter. Electronics (Switzerland), 2021, 10, 103.	3.1	1
22	Over-Size Pill-Box Window for Sub-Terahertz Vacuum Electronic Devices. Electronics (Switzerland), 2021, 10, 653.	3.1	1
23	Design of a Compact Millimeter Wave Gyrotron. , 2021, , .		1
24	Simulation of a 0.33-THz Second Harmonic Gyrotron Based on Double Confocal Cavity. , 2020, , .		1
25	Studies on fast two-dimension terahertz raster scan imaging. , 2012, , .		0
26	Study of a 90-degree TE <sub>01</sub> -TM <sub>11</sub> oversized mode converter. , 2018, , .		0
27	Demonstration of a High Power Frequency-Tunable 0.22-THz Gyrotron Operating in High-Order Axial Modes. , 2019, , .		0
28	An Economic Real-Time Microwave Plasma Impedance Measurement Method. IEEE Transactions on Plasma Science, 2021, , 1-6.	1.3	0
29	A Broadband Quasi-Optical Mode Converter for Sub-Terahertz Confocal Gyrotron Devices. IEEE Transactions on Electron Devices, 2021, , 1-5.	3.0	0
30	Experimental Test on a Broadband Sub-Terahertz Quasi-Optical Mode Converter for High-Order Confocal Mode. , 2021, , .		0
31	Investigation on Dual Frequency Operation in Double Confocal Gyrotron. , 2020, , .		0
32	0.22-THz Frequency-Tunable Gyrotron with Transverse Sliced Cavity. , 2020, , .		0
33	Low-voltage Gyrotron as Simple Mm-Wave Source. , 2021, , .		0
34	Low-Temperature Sterilization by Atmospheric Pressure Plasma Jet. , 2020, , .		0