Xiao-yu Wang

List of Publications by Year
in descending order

21 papers	186 citations	1163117 8 h-index	1125743 13 g-index
21 all docs	21 docs citations	21 times ranked	95 citing authors

#	Article	IF	Citations
1	Experimental Demonstration of a Tunable Load-Limited Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Electron Devices, 2016, 63, 1307-1311.	3.0	26
2	A tunable magnetically insulated transmission line oscillator. Chinese Physics B, 2015, 24, 035203.	1.4	22
3	A high-efficiency repetitively pulsed magnetically insulated transmission line oscillator. Vacuum, 2016, 128, 39-44.	3.5	22
4	A dielectric-filled magnetically insulated transmission line oscillator. Applied Physics Letters, 2015, 106, 093501.	3.3	19
5	A high-efficiency tunable TEM-TE11 mode converter for high-power microwave applications. AIP Advances, 2017, 7, .	1.3	12
6	Tunable circularly-polarized turnstile-junction mode converter for high-power microwave applications. Chinese Physics B, 2018, 27, 068401.	1.4	11
7	A High-Efficiency Magnetically Insulated Transmission Line Oscillator With Ridged Disk-Loaded Vanes. IEEE Transactions on Plasma Science, 2019, 47, 3974-3977.	1.3	9
8	A high-efficiency relativistic magnetron with a novel all-cavity extraction structure. AIP Advances, 2020, 10, .	1.3	9
9	A high-efficiency relativistic magnetron with the filled dielectric. Physics of Plasmas, 2016, 23, .	1.9	8
10	Design of a dual-band radiation system for a complex magnetically insulated line oscillator. AIP Advances, 2018, 8, 055212.	1.3	8
11	An <inline-formula> <tex-math notation="LaTeX">L </tex-math> </inline-formula>-Band Relativistic Magnetron With Cathode Priming. IEEE Transactions on Plasma Science, 2019, 47, 204-208.	1.3	6
12	Experimental Demonstration of a Ridged Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1698-1702.	4.6	6
13	Simulational Investigation of a High-Efficiency X-Band Magnetically Insulated Line Oscillator. Plasma Science and Technology, 2015, 17, 893-896.	1.5	5
14	Theoretical investigation of the dielectric-filled relativistic magnetron. Physics of Plasmas, 2016, 23, .	1.9	5
15	A High-Efficiency Ridged Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Electron Devices, 2020, 67, 4442-4446.	3.0	5
16	Design and Simulation of a Novel High-Efficiency Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Plasma Science, 2020, 48, 884-887.	1.3	5
17	An improved high-efficiency relativistic magnetron with a novel cathode endcap. AIP Advances, 2021, 11, .	1.3	4
18	Influence of voltage rise time on operation frequency in magnetically insulated transmission line oscillator. Review of Scientific Instruments, 2019, 90, 044704.	1.3	2

#	Article	IF	Citations
19	A compact dual-band radiation system. Chinese Physics B, 2020, 29, 118402.	1.4	2
20	A tunable magnetically insulated transmission line oscillator. , 2015, , .		0
21	Simulation investigation of a high-efficiency X-band magnetically insulated line oscillator. , 2015, , .		0