

# Xiao-yu Wang

## List of Publications by Year in descending order

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21  
papers

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21  
docs citations

21  
times ranked

95  
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved high-efficiency relativistic magnetron with a novel cathode endcap. AIP Advances, 2021, 11, .	1.3	4
2	Experimental Demonstration of a Ridged Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1698-1702.	4.6	6
3	A High-Efficiency Ridged Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Electron Devices, 2020, 67, 4442-4446.	3.0	5
4	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
5	A high-efficiency relativistic magnetron with a novel all-cavity extraction structure. AIP Advances, 2020, 10, .	1.3	9
6	A compact dual-band radiation system. Chinese Physics B, 2020, 29, 118402.	1.4	2
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	Influence of voltage rise time on operation frequency in magnetically insulated transmission line oscillator. Review of Scientific Instruments, 2019, 90, 044704.	1.3	2
9	An $\pi$ -Band Relativistic Magnetron With Cathode Priming. IEEE Transactions on Plasma Science, 2019, 47, 204-208.	1.3	6
10	Tunable circularly-polarized turnstile-junction mode converter for high-power microwave applications. Chinese Physics B, 2018, 27, 068401.	1.4	11
11	Design of a dual-band radiation system for a complex magnetically insulated line oscillator. AIP Advances, 2018, 8, 055212.	1.3	8
12	A high-efficiency tunable TEM-TE <sub>11</sub> mode converter for high-power microwave applications. AIP Advances, 2017, 7, .	1.3	12
13	Theoretical investigation of the dielectric-filled relativistic magnetron. Physics of Plasmas, 2016, 23, .	1.9	5
14	A high-efficiency relativistic magnetron with the filled dielectric. Physics of Plasmas, 2016, 23, .	1.9	8
15	A high-efficiency repetitively pulsed magnetically insulated transmission line oscillator. Vacuum, 2016, 128, 39-44.	3.5	22
16	Experimental Demonstration of a Tunable Load-Limited Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Electron Devices, 2016, 63, 1307-1311.	3.0	26
17	Simulational Investigation of a High-Efficiency X-Band Magnetically Insulated Line Oscillator. Plasma Science and Technology, 2015, 17, 893-896.	1.5	5
18	A tunable magnetically insulated transmission line oscillator. Chinese Physics B, 2015, 24, 035203.	1.4	22

#	ARTICLE	IF	CITATIONS
19	A tunable magnetically insulated transmission line oscillator. , 2015, , .		0
20	Simulation investigation of a high-efficiency X-band magnetically insulated line oscillator. , 2015, , .		0
21	A dielectric-filled magnetically insulated transmission line oscillator. Applied Physics Letters, 2015, 106, 093501.	3.3	19