

Jun Sun

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Destructive Effects with Electron Bombardment in Slow-Wave Structures. Laser and Particle Beams, 2022, 2022, .	1.0	1
2	Effect of non-uniform magnetic field on radial oscillation of electron beam in a low-magnetic-field foilless diode. Journal Physics D: Applied Physics, 2022, 55, 245005.	2.8	2
3	Efficiency improvement by a beam filtering ring in a relativistic backward wave oscillator at low magnetic field. Physics of Plasmas, 2022, 29, .	1.9	2
4	A novel self-injection relativistic backward wave oscillator. Journal Physics D: Applied Physics, 2022, 55, 135202.	2.8	2
5	Radial oscillation of intense relativistic electron beam in low-magnetic-field foil-less diode. AIP Advances, 2022, 12, 045320.	1.3	0
6	An oversized Ku-band Cerenkov oscillator with pure TM_{01} mode output. Physics of Plasmas, 2022, 29, 063103.	1.9	1
7	Experimental study of destructive effects on materials with different energy electron bombardment. AIP Advances, 2021, 11, .	1.3	4
8	Mechanism of radio frequency breakdown on metal surfaces in relativistic backward wave oscillator. Physics of Plasmas, 2021, 28, .	1.9	8
9	Studies of a high-efficiency, long-pulse relativistic backward wave oscillator. Physics of Plasmas, 2021, 28, .	1.9	13
10	Investigation of damage traces on the SWS of the RBWO with a low guiding magnetic field. Physics of Plasmas, 2021, 28, .	1.9	2
11	Analysis of Ohmic loss due to non-ideal boundary in relativistic backward wave oscillator. AIP Advances, 2021, 11, .	1.3	2
12	Mixed-Modes Conversion Method for Dual-Mode Relativistic Backward-Wave Oscillators. IEEE Microwave and Wireless Components Letters, 2021, 31, 1243-1246.	3.2	3
13	Research on 3-GW Repetitively Operating Relativistic Backward Wave Oscillator. IEEE Transactions on Plasma Science, 2020, 48, 3535-3543.	1.3	13
14	Research on effects of space charge field in relativistic backward wave oscillator. Physics of Plasmas, 2020, 27, 093104.	1.9	0
15	Efficiency Enhancement of a Klystron-Like Relativistic Backward Wave Oscillator With Waveguide Reflection and Bunching Promotion. IEEE Access, 2020, 8, 164972-164976.	4.2	4
16	Efficient generation of multi-gigawatt power by an X-band dual-mode relativistic backward wave oscillator operating at low magnetic field. Physics of Plasmas, 2020, 27, .	1.9	34
17	Effect of Local Electric Field on Radial Oscillation of Electron Beam in Low-Magnetic-Field Foilless Diode. IEEE Transactions on Plasma Science, 2020, 48, 1259-1263.	1.3	7
18	Investigation of an X band high efficiency klystron-like relativistic backward wave oscillator. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 164102.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Over-Sized Mode-Selective Relativistic Backward Wave Oscillator. IEEE Electron Device Letters, 2019, 40, 1530-1533.	3.9	19
20	Analyses of bombardment traces on the tube head of a relativistic backward wave oscillator. Physics of Plasmas, 2019, 26, 113106.	1.9	1
21	Exploration of Collector Materials in High-Power Microwave Sources. IEEE Transactions on Plasma Science, 2018, 46, 384-389.	1.3	18
22	RF Breakdown of the Resonant Reflector in a Relativistic Backward Wave Oscillator. IEEE Transactions on Plasma Science, 2018, 46, 900-908.	1.3	26
23	Power capacity enhancement for klystron-like RBWOs with a TM021 extraction cavity. Physics of Plasmas, 2018, 25, .	1.9	6
24	Plasma effects of the directional coupler for high-power microwave measurements. Physics of Plasmas, 2018, 25, 072122.	1.9	0
25	Effective suppression of pulse shortening in a relativistic backward wave oscillator. Physics of Plasmas, 2017, 24, .	1.9	22
26	Lifetime advantage and failure mechanism of a metal-ferroelectric cathode. Physics of Plasmas, 2017, 24, 103102.	1.9	0
27	Lifetime of Metallic Explosive Emission Cathodes and Microscopic Explanations. IEEE Transactions on Plasma Science, 2017, 45, 2279-2285.	1.3	7
28	Influence of cathode emission uniformity on microwave generation in relativistic backward wave oscillator. Journal of Applied Physics, 2017, 122, .	2.5	16
29	Influence of wall plasma on microwave frequency and power in relativistic backward wave oscillator. Physics of Plasmas, 2015, 22, .	1.9	14
30	An overmoded relativistic backward wave oscillator with efficient dual-mode operation. Applied Physics Letters, 2014, 104, 093505.	3.3	46
31	Role of dc space charge field in the optimization of microwave conversion efficiency from a modulated intense relativistic electron beam. Journal of Applied Physics, 2013, 114, .	2.5	18