

Zheng-Hong Li

List of Publications by Year in descending order

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31
papers

264
citations

1040056

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940533

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g-index

31
all docs

31
docs citations

31
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of an oversized backward wave oscillator as a high power microwave generator. Applied Physics Letters, 2008, 92, 054102.	3.3	65
2	Mode control in an oversized backward wave oscillator. Physics of Plasmas, 2008, 15, 093104.	1.9	28
3	Gigawatt peak power generation in a relativistic klystron amplifier driven by 1 kW seed-power. Physics of Plasmas, 2013, 20, .	1.9	22
4	Experiments on the implosion of heterogeneous wire arrays on the S-300 facility. Plasma Physics Reports, 2006, 32, 656-667.	0.9	20
5	Experimental study of a low radio frequency power driven relativistic klystron amplifier. Physics of Plasmas, 2010, 17, .	1.9	15
6	Numerical and experimental investigations on the interaction of light wire-array Z-pinches with embedded heavy foam converters. Physics of Plasmas, 2014, 21, .	1.9	15
7	Numerical studies on the radiation uniformity of Z-pinch dynamic hohlraum. Matter and Radiation at Extremes, 2018, 3, 248-255.	3.9	15
8	Experimental investigation of Z-pinch radiation source for indirect drive inertial confinement fusion. Matter and Radiation at Extremes, 2019, 4, .	3.9	11
9	An S-band high gain relativistic klystron amplifier with high phase stability. Physics of Plasmas, 2014, 21, 113107.	1.9	10
10	Suppression of higher mode excitation in a high gain relativistic klystron amplifier. Physics of Plasmas, 2012, 19, 023102.	1.9	9
11	Beam-loaded frequency shift in the high power microwave oscillator Bitron. Physics of Plasmas, 2009, 16, .	1.9	8
12	Experimental study of an X-band phase-locked relativistic backward wave oscillator. Physics of Plasmas, 2015, 22, .	1.9	8
13	300 kV/6 mA integrated Cockcroft-Walton high voltage power supply for a compact neutron generator. Review of Scientific Instruments, 2020, 91, 074704.	1.3	7
14	A study on the high-order mode oscillation in a four-cavity intense relativistic klystron amplifier. Physics of Plasmas, 2016, 23, 072110.	1.9	5
15	Experimental investigation of the ribbon-array ablation process. Physics of Plasmas, 2013, 20, .	1.9	4
16	Beam-loaded frequency shift study in an over-sized backward wave oscillator. Physics of Plasmas, 2014, 21, 103105.	1.9	3
17	Investigation of ablation of thin foil aluminum ribbon array at 1.5 MA. Physics of Plasmas, 2016, 23, .	1.9	3
18	On the bremsstrahlung background of the neutron yield diagnostic in deuterium-filled capsule implosions driven by Z-pinch dynamic hohlraums on an 8-MA pulsed power facility. Physics of Plasmas, 2020, 27, .	1.9	3

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19	Investigation on the main characteristics of dynamic hohlraum formation at the Julong-1 facility. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	3
20	The Nature of Single Round Hole Neutron Penumbra Imaging. <i>Fusion Science and Technology</i> , 2010, 57, 292-297.	1.1	2
21	Study of nonlinear interaction between bunched beam and intermediate cavities in a relativistic klystron amplifier. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	2
22	Shielding Design and Analysis of Fusion-Fission Hybrid Energy Reactor Blanket. <i>Journal of Fusion Energy</i> , 2017, 36, 134-141.	1.2	2
23	Estimates of upper limit of neutron yield in experiments with Z-pinch dynamic hohlraums at 8-MA pulsed power facility. <i>Physics of Plasmas</i> , 2021, 28, 082706.	1.9	2
24	Development of a compact generator for gigawatt, nanosecond high-voltage pulses. <i>Review of Scientific Instruments</i> , 2016, 87, 034709.	1.3	1
25	Geometrical optimization of quasi-spherical wire-array implosion. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	1
26	Puff-gas Z-Pinch Experiment on “Yang” Accelerator. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	0
27	Numerical and experimental investigations on the interaction of light wire-array Z-pinch with embedded heavy foam converters. , 2014, , .		0
28	Dynamic comparison between the cylindrical and quasi-spherical implosions based on thin-shell models. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	0
29	Magnetically insulated transmission lines in the form of cone with ribs: Exploratory design and analysis. <i>Review of Scientific Instruments</i> , 2020, 91, 034703.	1.3	0
30	Thermophysical properties of low-density polystyrene under extreme conditions using ReaxFF molecular dynamics. <i>Molecular Physics</i> , 2021, 119, e1878304.	1.7	0
31	Feedback process study in over-sized backward wave oscillator. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 054103.	0.5	0