

# 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

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docs citations

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times ranked

189  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Thermophysical properties of low-density polystyrene under extreme conditions using ReaxFF molecular dynamics. <i>Molecular Physics</i> , 2021, 119, e1878304.	1.7	0
3	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. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	3
4	300 kV/6 mA integrated Cockcroft-Walton high voltage power supply for a compact neutron generator. <i>Review of Scientific Instruments</i> , 2020, 91, 074704.	1.3	7
5	Investigation on the main characteristics of dynamic hohlraum formation at the Julong-1 facility. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	3
6	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
7	Experimental investigation of Z-pinch radiation source for indirect drive inertial confinement fusion. <i>Matter and Radiation at Extremes</i> , 2019, 4, .	3.9	11
8	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
9	Feedback process study in over-sized backward wave oscillator. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 054103.	0.5	0
10	Numerical studies on the radiation uniformity of Z-pinch dynamic hohlraum. <i>Matter and Radiation at Extremes</i> , 2018, 3, 248-255.	3.9	15
11	Shielding Design and Analysis of Fusion-Fission Hybrid Energy Reactor Blanket. <i>Journal of Fusion Energy</i> , 2017, 36, 134-141.	1.2	2
12	Geometrical optimization of quasi-spherical wire-array implosion. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	1
13	Development of a compact generator for gigawatt, nanosecond high-voltage pulses. <i>Review of Scientific Instruments</i> , 2016, 87, 034709.	1.3	1
14	A study on the high-order mode oscillation in a four-cavity intense relativistic klystron amplifier. <i>Physics of Plasmas</i> , 2016, 23, 072110.	1.9	5
15	Investigation of ablation of thin foil aluminum ribbon array at 1.5 MA. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	3
16	Experimental study of an X-band phase-locked relativistic backward wave oscillator. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	8
17	Beam-loaded frequency shift study in an over-sized backward wave oscillator. <i>Physics of Plasmas</i> , 2014, 21, 103105.	1.9	3
18	Numerical and experimental investigations on the interaction of light wire-array Z-pinches with embedded heavy foam converters. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	15

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19	An S-band high gain relativistic klystron amplifier with high phase stability. Physics of Plasmas, 2014, 21, 113107.	1.9	10
20	Numerical and experimental investigations on the interaction of light wire-array Z-pinches with embedded heavy foam converters. , 2014, , .		0
21	Experimental investigation of the ribbon-array ablation process. Physics of Plasmas, 2013, 20, .	1.9	4
22	Gigawatt peak power generation in a relativistic klystron amplifier driven by 1 kW seed-power. Physics of Plasmas, 2013, 20, .	1.9	22
23	Suppression of higher mode excitation in a high gain relativistic klystron amplifier. Physics of Plasmas, 2012, 19, 023102.	1.9	9
24	Study of nonlinear interaction between bunched beam and intermediate cavities in a relativistic klystron amplifier. Physics of Plasmas, 2012, 19, .	1.9	2
25	The Nature of Single Round Hole Neutron Penumbra Imaging. Fusion Science and Technology, 2010, 57, 292-297.	1.1	2
26	Experimental study of a low radio frequency power driven relativistic klystron amplifier. Physics of Plasmas, 2010, 17, .	1.9	15
27	Beam-loaded frequency shift in the high power microwave oscillator Bitron. Physics of Plasmas, 2009, 16, .	1.9	8
28	Investigation of an oversized backward wave oscillator as a high power microwave generator. Applied Physics Letters, 2008, 92, 054102.	3.3	65
29	Mode control in an oversized backward wave oscillator. Physics of Plasmas, 2008, 15, 093104.	1.9	28
30	Experiments on the implosion of heterogeneous wire arrays on the S-300 facility. Plasma Physics Reports, 2006, 32, 656-667.	0.9	20
31	Puff-gas Z-Pinch Experiment on "Yang" Accelerator. AIP Conference Proceedings, 2002, , .	0.4	0