Zhi-chao Li

List of Publications by Year
in descending order

54 papers	842 citations	516710 16 h-index	526287 27 g-index
55 all docs	55 docs citations	55 times ranked	504 citing authors

#	Article	IF	Citations
1	Improving Dengue Forecasts by Using Geospatial Big Data Analysis in Google Earth Engine and the Historical Dengue Information-Aided Long Short Term Memory Modeling. Biology, 2022, 11, 169.	2.8	10
2	Measurement of Time-Dependent Drive Flux on the Capsule for Indirectly Driven Inertial Confinement Fusion Experiments. Physical Review Letters, 2022, 128, 075001.	7.8	2
3	Electron density measurement via dual-angle Thomson scattering diagnosis. Journal of Applied Physics, 2021, 129, .	2.5	7
4	Studies of laser-plasma interaction physics with low-density targets for direct-drive inertial confinement fusion on the Shenguang III prototype. Matter and Radiation at Extremes, 2021, 6, .	3.9	31
5	Multi-keV x-ray radiator from titanium cylindrical cavity at the Shenguang-III prototype laser facility. Physics of Plasmas, 2021, 28, .	1.9	3
6	First Inertial Confinement Fusion Implosion Experiment in Octahedral Spherical Hohlraum. Physical Review Letters, 2021, 127, 245001.	7.8	16
7	Semi-Supervised Text Classification Framework: An Overview of Dengue Landscape Factors and Satellite Earth Observation. International Journal of Environmental Research and Public Health, 2020, 17, 4509.	2.6	8
8	Recent diagnostic developments at the 100 kJ-level laser facility in China. Matter and Radiation at Extremes, 2020, 5, .	3.9	25
9	A Mapping Review on Urban Landscape Factors of Dengue Retrieved from Earth Observation Data, GIS Techniques, and Survey Questionnaires. Remote Sensing, 2020, 12, 932.	4.0	21
10	Recent research progress of laser plasma interactions in Shenguang laser facilities. Matter and Radiation at Extremes, 2019, 4, .	3.9	28
11	Enhancement of the surface emission at the fundamental frequency and the transmitted high-order harmonics by pre-structured targets. High Power Laser Science and Engineering, 2019, 7, .	4.6	6
12	Progress in optical Thomson scattering diagnostics for ICF gas-filled hohlraums. Matter and Radiation at Extremes, 2019, 4, .	3.9	10
13	Investigation on laser plasma instability of the outer ring beams on SGIII laser facility. AIP Advances, 2019, 9, .	1.3	6
14	Stimulated Raman scattering instability of a left-handed circularly polarized laser in strongly axially magnetized plasmas. Physics of Plasmas, 2019, 26, .	1.9	2
15	Measurement of P2 M-band flux asymmetry in indirect-drive hohlraum on Shenguang-III prototype laser facility. Review of Scientific Instruments, 2019, 90, 043505.	1.3	1
16	First exploration of radiation temperatures of the laser spot, re-emitting wall and entire hohlraum drive source. Scientific Reports, 2019, 9, 5050.	3.3	5
17	Experimental progress of inertial confinement fusion based at the ShenGuang-III laser facility in China. Nuclear Fusion, 2019, 59, 032006.	3.5	40
18	First Octahedral Spherical Hohlraum Energetics Experiment at the SGIII Laser Facility. Physical Review Letters, 2018, 120, 165001.	7.8	16

#	Article	IF	Citations
19	Investigation of the cylindrical vacuum hohlraum energy in the first implosion experiment at the SGIII laser facility. Physics of Plasmas, 2018, 25, 022703.	1.9	10
20	Backscatter spectra measurements of the two beams on the same cone on Shenguang-III laser facility. Review of Scientific Instruments, 2018, 89, 013501.	1.3	6
21	Controlling of the electromagnetic solitary waves generation in the wake of a two-color laser. Physics of Plasmas, 2018, 25, .	1.9	1
22	Implementation of ultraviolet Thomson scattering on SG-III laser facility. Review of Scientific Instruments, 2018, 89, 093505.	1.3	8
23	Coupling between a laser and a prestructured target with an arbitrary structure period. Physical Review E, 2018, 98, .	2.1	3
24	Wetlands and Malaria in the Amazon: Guidelines for the Use of Synthetic Aperture Radar Remote-Sensing. International Journal of Environmental Research and Public Health, 2018, 15, 468.	2.6	19
25	Application of the space-resolving flux detector for radiation measurements from an octahedral-aperture spherical hohlraum. Review of Scientific Instruments, 2018, 89, 063502.	1.3	3
26	Apports de la combinaison dâ€™images satellites optique et RADAR dans lâ€™Ã©tude des maladies Ã transmission vectorielle : cas du paludisme Ã la frontiÃ¨re Guyane franÃ§aise â€“ BrÃ©sil. Confins, 2018, , .	0.1	5
27	First experimental comparisons of laser-plasma interactions between spherical and cylindrical hohlraums at SGIII laser facility. Matter and Radiation at Extremes, 2017, 2, 77-86.	3.9	18
28	Comparing the soft x-rays transport in Si and Ge-sandwich targets by measuring transmission flux. Physics of Plasmas, 2017, 24, 032703.	1.9	0
29	Experimental demonstration of low laser-plasma instabilities in gas-filled spherical hohlraums at laser injection angle designed for ignition target. Physical Review E, 2017, 95, 031202.	2.1	28
30	Comparison of the laser spot movement inside cylindrical and spherical hohlraums. Physics of Plasmas, 2017, 24, 072711.	1.9	9
31	Potential terahertz radiation by mode conversion from two-color laser to surface plasma waves. AIP Advances, 2017, 7, .	1.3	1
32	Regionalization of a Landscape-Based Hazard Index of Malaria Transmission: An Example of the State of AmapÃ¡, Brazil. Data, 2017, 2, 37.	2.3	2
33	Radiation flux study of spherical hohlraums at the SGIII prototype facility. Physics of Plasmas, 2016, 23, .	1.9	14
34	Design and experimental study of a secondary hohlraum radiation source with laser focal spots blocked. Physics of Plasmas, 2016, 23, .	1.9	2
35	First Investigation on the Radiation Field of the Spherical Hohlraum. Physical Review Letters, 2016, 117, 025002.	7.8	35
36	First demonstration of improving laser propagation inside the spherical hohlraums by using the cylindrical laser entrance hole. Matter and Radiation at Extremes, 2016, 1, 2-7.	3.9	39

#	Article	IF	Citations
37	Progress in octahedral spherical hohlraum study. Matter and Radiation at Extremes, 2016, 1, 8-27.	3.9	106
38	Mitigating stimulated scattering processes in gas-filled Hohlraums via external magnetic fields. Physics of Plasmas, 2015, 22, .	1.9	8
39	Development of Thomson scattering system on Shenguang-III prototype laser facility. Review of Scientific Instruments, 2015, 86, 023501.	1.3	13
40	The influence of laser clipped by the laser entrance hole on hohlraum radiation measurement on Shenguang-III prototype. Review of Scientific Instruments, 2014, 85, 033504.	1.3	22
41	Analysis of stimulated Raman backscatter and stimulated Brillouin backscatter in experiments performed on SG-III prototype facility with a spectral analysis code. Physics of Plasmas, 2014, 21, .	1.9	27
42	Characterizing the hohlraum radiation via one-end driven experiments. Physics of Plasmas, 2014, 21, 072714.	1.9	10
43	The radiation temperature andM-band fraction inside hohlraum on the SGIII-prototype laser facility. Physics of Plasmas, 2014, 21, 022704.	1.9	10
44	The M-band transmission flux of the plastic foil with a coated layer of silicon or germanium. Applied Physics Letters, 2014, 104, 054106.	3.3	10
45	Enhanced x-ray emissions from Au-Gd mixture targets ablated by a high-power nanosecond laser. Journal of Applied Physics, 2014, 115, 043305.	2.5	8
46	The impact of low-Z impurities on x-ray conversion efficiency from laser-produced plasmas of low-density gold foam targets. Physics of Plasmas, 2013, 20, 123305.	1.9	12
47	Instantaneous x-ray radiation energy from laser produced polystyrene plasmas for shock ignition conditions. Physics of Plasmas, 2013, 20, 102702.	1.9	7
48	Noise sources and competition between stimulated Brillouin and Raman scattering: A one-dimensional steady-state approach. Physics of Plasmas, 2013, 20, .	1.9	15
49	Interaction of 0.53â€‰Î¼m laser pulse with millimeter-scale plasmas generated by gasbag target. Physics of Plasmas, 2012, 19, 062703.	1.9	10
50	Methods of Generation and Detailed Characterization of Millimeter-Scale Plasmas Using a Gasbag Target. Chinese Physics Letters, 2011, 28, 125202.	3.3	2
51	Note: Continuing improvements on the novel flat-response x-ray detector. Review of Scientific Instruments, 2011, 82, 106106.	1.3	21
52	Generation and characterization of millimeter-scale plasmas for the research of laser plasma interactions on Shenguang-III prototype. Chinese Physics B, 2010, 19, 125202.	1.4	11
53	A novel flat-response x-ray detector in the photon energy range of 0.1â€“4 keV. Review of Scientific Instruments, 2010, 81, 073504.	1.3	98
54	Terahertz radiation from a wire target irradiated by an ultra-intense laser pulse. Physics of Plasmas, 2007, 14, 054505.	1.9	12