Han Xu

List of Publications by Year
in descending order

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36	316	933447	996975
papers	citations	10	15
		h-index	g-index

36	36	36	226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Review on Scalability of Blockchain. , 2020, , .		38
2	Influence of target thickness on the generation of high-density ion bunches by ultrashort circularly polarized laser pulses. Physics of Plasmas, 2008, 15, .	1.9	30
3	Propagation of intense laser pulses in strongly magnetized plasmas. Applied Physics Letters, 2015, 106, .	3.3	27
4	Bandgap characteristics of one-dimensional plasma photonic crystal. Physics of Plasmas, 2009, 16, 102103.	1.9	23
5	Propagation of attosecond electron bunches along the cone-and-channel target. Physics of Plasmas, 2011, 18, .	1.9	18
6	Collimated proton beam generation from ultraintense laser-irradiated hole target. Laser and Particle Beams, 2010, 28, 319-325.	1.0	14
7	Generation of high-energy-density ion bunches by ultraintense laser-cone-target interaction. Physics of Plasmas, 2014, 21, .	1.9	14
8	Production of high-density high-temperature plasma by collapsing small solid-density plasma shell with two ultra-intense laser pulses. Applied Physics Letters, 2012, 100, .	3.3	13
9	High energy density micro plasma bunch from multiple laser interaction with thin target. Applied Physics Letters, 2014, 104, .	3.3	13
10	Simple model for wakefield excitation by intense short-pulse laser in underdense plasma. Physics of Plasmas, 2009, 16, 053107.	1.9	11
11	Effects of filamentation instability on the divergence of relativistic electrons driven by ultraintense laser pulses. Physics of Plasmas, 2016, 23, .	1.9	11
12	Energy enhancement of quasi-monoenergetic proton bunches using a slice-cone target. Physics of Plasmas, 2011, 18, 113103.	1.9	9
13	Efficient acceleration of a small dense plasma pellet by consecutive action of multiple short intense laser pulses. Laser and Particle Beams, 2009, 27, 629-634.	1.0	8
14	High-energy-density electron beam from interaction of two successive laser pulses with subcritical-density plasma. Physical Review Accelerators and Beams, 2016, 19, .	1.6	8
15	Control of fast electron propagation in foam target by high-Z doping. Plasma Physics and Controlled Fusion, 2019, 61, 025010.	2.1	8
16	Enhancement of electron injection in laser wakefield acceleration using auxiliary interfering pulses. New Journal of Physics, 2012, 14, 103015.	2.9	7
17	Generation of hemispherical fast electron waves in the presence of preplasma in ultraintense laser-matter interaction. Laser and Particle Beams, 2013, 31, 379-386.	1.0	7
18	Effects of resistive magnetic field on fast electron divergence measured in experiments. Plasma Physics and Controlled Fusion, 2015, 57, 025011.	2.1	6

#	Article	IF	Citations
19	Trapping of electromagnetic radiation in self-generated and preformed cavities. Laser and Particle Beams, 2013, 31, 589-595.	1.0	5
20	Numerical investigation of the transverse instability on the radiation-pressure-driven foil. Physical Review E, 2015, 92, 063111.	2.1	5
21	Containing intense laser light in circular cavity with magnetic trap door. Applied Physics Letters, 2017, 110, 111903.	3.3	5
22	Influence of field ionization effect on the divergence of laser-driven fast electrons. Plasma Physics and Controlled Fusion, 2018, 60, 075002.	2.1	5
23	Customizing the HPL for China accelerator. Science China Information Sciences, 2018, 61, 1.	4.3	5
24	Energy deposition of fast electrons in dense magnetized plasmas. Physics of Plasmas, 2018, 25, 063104.	1.9	4
25	Enhanced electron injection in laser-driven bubble acceleration by ultra-intense laser irradiating foil-gas targets. Physics of Plasmas, 2015, 22, 083110.	1.9	3
26	Collimation of high-current fast electrons in dense plasmas with a tightly focused precursor intense laser pulse. Nuclear Fusion, 2019, 59, 126024.	3.5	3
27	A Scheme to Optimize Roadside Parking Management by Using Blockchain Technology. , 2020, , .		3
28	The generation of azimuthal magnetic field in laser-induced plasma bubbles. Physics of Plasmas, 2010, 17, .	1.9	2
29	Strong mid-infrared radiation from self-guided fast electron bunch propagating along a grated target surface in laser-solid interaction. Physics of Plasmas, 2012, 19, .	1.9	2
30	Efficient generation of proton bunches by intense laser pulse with a double-slice-foil target. Journal of Plasma Physics, 2012, 78, 491-496.	2.1	2
31	Proton focusing driven by laser triggered Coulomb explosion. Physics of Plasmas, 2017, 24, 030703.	1.9	2
32	Stable transport of relativistic electron beams in plasmas. Journal of Plasma Physics, 2022, 88, .	2.1	2
33	Study on the effects of ion motion on laser-induced plasma wakes. Physics of Plasmas, 2012, 19, 093101.	1.9	1
34	Effects of parameters on the proton focusing driven by Coulomb explosion. High Energy Density Physics, 2019, 32, 77-81.	1.5	1
35	Transport of fast electron beam in mirror-field magnetized solid-density plasma. Physics of Plasmas, 2021, 28, .	1.9	1
36	Trapping of intense light in hollow shell. Physics of Plasmas, 2015, 22, 093110.	1.9	0