Xue-Ren Hong

List of Publications by Year
in descending order

20	149	1478505 6	1199594 12
papers	citations	h-index	g-index

20	20	20	86
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solitary waves of laser pulse in a plasma channel. Physics of Plasmas, 2011, 18, 033104.	1.9	21
2	Influence of charging process and size distribution of dust grain on the electric conductivity of dusty plasma. Physics of Plasmas, 2012, 19, .	1.9	19
3	Freak oscillation in a dusty plasma. Physical Review E, 2017, 95, 053207.	2.1	18
4	Wakefield effects and solitary waves of an intense short laser pulse propagation in a plasma channel. Physics of Plasmas, 2011, 18, 103106.	1.9	16
5	High quality ion acceleration from a double-layer target dominated by the radiation pressure of a transversely Gaussian laser pulse. Physics of Plasmas, 2010, 17, 103107.	1.9	15
6	Energy enhancement of proton acceleration in combinational radiation pressure and bubble by optimizing plasma density. Physics of Plasmas, 2012, 19, .	1.9	8
7	Focusing effect of radially power-law channel on an intense laser beam. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1037-1043.	2.1	7
8	Reflection and transmission of an incident solitary wave at an interface of a binary complex plasma in a microgravity condition. Physical Review E, 2021, 104, 025206.	2.1	7
9	Propagation characteristics of a hollow Gaussian laser beam in a tapered plasma channel. Physics of Plasmas, 2020, 27, 043109.	1.9	6
10	The stability of the dust acoustic waves under transverse perturbations in a magnetized and collisionless dusty plasma. Journal of Plasma Physics, 2014, 80, 425-436.	2.1	5
11	The characteristics of an intense laser beam propagating in a corrugated plasma channel. Physics of Plasmas, 2016, 23, 123117.	1.9	5
12	A filter or oscillator by a simple density hump for an intense laser propagating in a preformed plasma channel. Physics of Plasmas, 2019, 26, 043106.	1.9	4
13	Even-order harmonic generation from nonlinear Thomson backscatter in a tightly focused Gaussian laser pulse. Physics of Plasmas, 2022, 29, 043102.	1.9	4
14	Enhanced radiation of nonlinear Thomson backscattering by a tightly focused Gaussian laser pulse and an external magnetic field. Europhysics Letters, 2022, 139, 14001.	2.0	4
15	Enhanced laser radiation pressure acceleration of protons with a gold cone-capillary. Physics of Plasmas, 2017, 24, 033122.	1.9	3
16	The effects of the ionization, the recombination, and the collision of the ions to the damping solitary waves in a dusty plasma. Physics of Plasmas, 2013, 20, 023704.	1.9	2
17	Effects of channel alternating corrugation on a laser beam propagation in plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126267.	2.1	2
18	Interaction for solitary waves in coasting charged particle beams. Physics of Plasmas, 2014, 21, 033106.	1.9	1

#	Article	IF	Citations
19	Accelerating and guiding of C6+ by an intense laser irradiating on a foil target with a tapered channel. Physics of Plasmas, 2017, 24, 083114.	1.9	1
20	Propagation dynamics of an azimuthally polarized Besselâ€“Gauss laser beam in a parabolic plasma channel. Physics of Plasmas, 2020, 27, 113103.	1.9	1