

# Xue-Ren Hong

## List of Publications by Year in descending order

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20  
papers

149  
citations

1478505

6  
h-index

1199594

12  
g-index

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all docs

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docs citations

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times ranked

86  
citing authors

#	ARTICLE	IF	CITATIONS
1	Even-order harmonic generation from nonlinear Thomson backscatter in a tightly focused Gaussian laser pulse. <i>Physics of Plasmas</i> , 2022, 29, 043102.	1.9	4
2	Enhanced radiation of nonlinear Thomson backscattering by a tightly focused Gaussian laser pulse and an external magnetic field. <i>Europhysics Letters</i> , 2022, 139, 14001.	2.0	4
3	Reflection and transmission of an incident solitary wave at an interface of a binary complex plasma in a microgravity condition. <i>Physical Review E</i> , 2021, 104, 025206.	2.1	7
4	Propagation dynamics of an azimuthally polarized Bessel-Gauss laser beam in a parabolic plasma channel. <i>Physics of Plasmas</i> , 2020, 27, 113103.	1.9	1
5	Effects of channel alternating corrugation on a laser beam propagation in plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126267.	2.1	2
6	Propagation characteristics of a hollow Gaussian laser beam in a tapered plasma channel. <i>Physics of Plasmas</i> , 2020, 27, 043109.	1.9	6
7	A filter or oscillator by a simple density hump for an intense laser propagating in a preformed plasma channel. <i>Physics of Plasmas</i> , 2019, 26, 043106.	1.9	4
8	Enhanced laser radiation pressure acceleration of protons with a gold cone-capillary. <i>Physics of Plasmas</i> , 2017, 24, 033122.	1.9	3
9	Accelerating and guiding of C <sup>6+</sup> by an intense laser irradiating on a foil target with a tapered channel. <i>Physics of Plasmas</i> , 2017, 24, 083114.	1.9	1
10	Freak oscillation in a dusty plasma. <i>Physical Review E</i> , 2017, 95, 053207.	2.1	18
11	The characteristics of an intense laser beam propagating in a corrugated plasma channel. <i>Physics of Plasmas</i> , 2016, 23, 123117.	1.9	5
12	Focusing effect of radially power-law channel on an intense laser beam. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1037-1043.	2.1	7
13	The stability of the dust acoustic waves under transverse perturbations in a magnetized and collisionless dusty plasma. <i>Journal of Plasma Physics</i> , 2014, 80, 425-436.	2.1	5
14	Interaction for solitary waves in coasting charged particle beams. <i>Physics of Plasmas</i> , 2014, 21, 033106.	1.9	1
15	The effects of the ionization, the recombination, and the collision of the ions to the damping solitary waves in a dusty plasma. <i>Physics of Plasmas</i> , 2013, 20, 023704.	1.9	2
16	Energy enhancement of proton acceleration in combinational radiation pressure and bubble by optimizing plasma density. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	8
17	Influence of charging process and size distribution of dust grain on the electric conductivity of dusty plasma. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	19
18	Wakefield effects and solitary waves of an intense short laser pulse propagation in a plasma channel. <i>Physics of Plasmas</i> , 2011, 18, 103106.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Solitary waves of laser pulse in a plasma channel. <i>Physics of Plasmas</i> , 2011, 18, 033104.	1.9	21
20	High quality ion acceleration from a double-layer target dominated by the radiation pressure of a transversely Gaussian laser pulse. <i>Physics of Plasmas</i> , 2010, 17, 103107.	1.9	15