

Longqing Yi

List of Publications by Year in descending order

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37
papers

569
citations

687363

13
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642732

23
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38
all docs

38
docs citations

38
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of Intense High-Order Vortex Harmonics. <i>Physical Review Letters</i> , 2015, 114, 173901.	7.8	117
2	Bright X-Ray Source from a Laser-Driven Microplasma Waveguide. <i>Physical Review Letters</i> , 2016, 116, 115001.	7.8	47
3	Proton acceleration in underdense plasma by ultraintense Laguerreâ€“Gaussian laser pulse. <i>New Journal of Physics</i> , 2014, 16, 123051.	2.9	44
4	Effect of pulse profile and chirp on a laser wakefield generation. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	42
5	Laser-Driven Ion Acceleration from Plasma Micro-Channel Targets. <i>Scientific Reports</i> , 2017, 7, 42666.	3.3	39
6	Positron acceleration in a hollow plasma channel up to TeV regime. <i>Scientific Reports</i> , 2014, 4, 4171.	3.3	33
7	Generation of gamma-ray beam with orbital angular momentum in the QED regime. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	28
8	Scheme for proton-driven plasma-wakefield acceleration of positively charged particles in a hollow plasma channel. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013, 16, .	1.8	22
9	Dynamic study of a compressed electron layer during the hole-boring stage in a sharp-front laser interaction region. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2012, 15, .	1.8	17
10	Coherent Diffraction Radiation of Relativistic Terahertz Pulses from a Laser-Driven Microplasma Waveguide. <i>Physical Review Letters</i> , 2019, 123, 094801.	7.8	16
11	Low Mach-number collisionless electrostatic shocks and associated ion acceleration. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 035004.	2.1	15
12	Relativistic magnetic reconnection driven by a laser interacting with a micro-scale plasma slab. <i>Nature Communications</i> , 2018, 9, 1601.	12.8	15
13	Proton acceleration by a pair of successive ultraintense femtosecond laser pulses. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	13
14	Cascaded target normal sheath acceleration. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	12
15	High-Harmonic Generation and Spin-Orbit Interaction of Light in a Relativistic Oscillating Window. <i>Physical Review Letters</i> , 2021, 126, 134801.	7.8	12
16	Driving positron beam acceleration with coherent transition radiation. <i>Communications Physics</i> , 2020, 3, .	5.3	11
17	Ion motion effects on the generation of short-cycle relativistic laser pulses during radiation pressure acceleration. <i>High Power Laser Science and Engineering</i> , 2014, 2, .	4.6	8
18	Direct acceleration of electrons by a CO2 laser in a curved plasma waveguide. <i>Scientific Reports</i> , 2016, 6, 28147.	3.3	8

#	ARTICLE	IF	CITATIONS
19	Cascaded proton acceleration by collisionless electrostatic shock. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	7
20	High energy protons generation by two sequential laser pulses. <i>Physics of Plasmas</i> , 2015, 22, 043106.	1.9	6
21	Ultra-bright, well-collimated, GeV gamma-ray production in the QED regime. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	6
22	Vortex beam of tilted orbital angular momentum generated from grating. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 105001.	2.1	6
23	Relativistic terahertz radiation generated by direct-laser-accelerated electrons from laser-foil interactions. <i>Physical Review A</i> , 2020, 102, .	2.5	6
24	High quality electron bunch generation with CO ₂ -laser-plasma interaction. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	5
25	Radiation from laser-microplasma-waveguide interactions in the ultra-intense regime. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	5
26	Multimillijoule terahertz radiation from laser interactions with microplasma waveguides. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 035028.	2.1	5
27	Enhanced high harmonic generation and the phase effect in double-sided relativistic laser-foil interaction. <i>Physics of Plasmas</i> , 2013, 20, 033109.	1.9	4
28	Inertial confinement fusion driven by long wavelength electromagnetic pulses. <i>High Power Laser Science and Engineering</i> , 2013, 1, 105-109.	4.6	4
29	Cascaded radiation pressure acceleration. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	4
30	Proton acceleration in a laser-induced relativistic electron vortex. <i>Journal of Plasma Physics</i> , 2019, 85, .	2.1	4
31	Photon acceleration in plasma wake wave. <i>Physics of Plasmas</i> , 2015, 22, 043102.	1.9	2
32	Plasma Approach for Generating Ultra-Intense Single Attosecond Pulse. <i>Plasma Science and Technology</i> , 2012, 14, 859-863.	1.5	1
33	Ultra-bright, ultra-broadband hard x-ray driven by laser-produced energetic electron beams. <i>Physics of Plasmas</i> , 2013, 20, 093102.	1.9	1
34	Proton acceleration by plasma wakefield driven by an intense proton beam. <i>Laser and Particle Beams</i> , 2013, 31, 427-438.	1.0	1
35	Generation of ultra-intense gamma-ray train by QED harmonics. <i>Physics of Plasmas</i> , 2016, 23, 083120.	1.9	1
36	Light pressure acceleration with frequency-tripled laser pulse. <i>Physics of Plasmas</i> , 2014, 21, 083102.	1.9	0

#	ARTICLE	IF	CITATIONS
37	Layered structure in the interaction of thin foil with two laser pulses. Physics of Plasmas, 2014, 21, 024502.	1.9	0