

Xiaofei Shen

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

235
citations

1163117

8
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright betatron x-rays generation from picosecond laser interactions with long-scale near critical density plasmas. Applied Physics Letters, 2021, 118, .	3.3	12
2	Bright betatron radiation from direct-laser-accelerated electrons at moderate relativistic laser intensity. Matter and Radiation at Extremes, 2021, 6, .	3.9	11
3	Scaling laws for laser-driven ion acceleration from nanometer-scale ultrathin foils. Physical Review E, 2021, 104, 025210.	2.1	9
4	Monoenergetic High-Energy Ion Source via Femtosecond Laser Interacting with a Microtape. Physical Review X, 2021, 11, .	8.9	20
5	High-current laser-driven beams of relativistic electrons for high energy density research. Plasma Physics and Controlled Fusion, 2020, 62, 115024.	2.1	43
6	All-optical cascaded ion acceleration in segmented tubes driven by multiple independent laser pulses. Plasma Physics and Controlled Fusion, 2019, 61, 115005.	2.1	4
7	High-flux high-energy ion beam production from stable collisionless shock acceleration by intense petawatt-picosecond laser pulses. New Journal of Physics, 2019, 21, 033035.	2.9	5
8	Electrostatic capacitance-type acceleration of ions with an intense few-cycle laser pulse. Applied Physics Letters, 2019, 114, .	3.3	14
9	Revisit on ion acceleration mechanisms in solid targets driven by intense laser pulses. Plasma Physics and Controlled Fusion, 2019, 61, 014039.	2.1	22
10	Identifying the quantum radiation reaction by using colliding ultraintense lasers in gases. Physical Review A, 2018, 98, .	2.5	5
11	Maintaining stable radiation pressure acceleration of ion beams via cascaded electron replenishment. New Journal of Physics, 2017, 19, 033034.	2.9	11
12	Monoenergetic ion beam acceleration from transversely confined near-critical plasmas by intense laser pulses. Physics of Plasmas, 2017, 24, .	1.9	4
13	Achieving Stable Radiation Pressure Acceleration of Heavy Ions via Successive Electron Replenishment from Ionization of a High- Z Material Coating. Physical Review Letters, 2017, 118, 204802.	7.8	37
14	Generation of quasi-monoenergetic heavy ion beams via staged shock wave acceleration driven by intense laser pulses in near-critical plasmas. New Journal of Physics, 2016, 18, 093029.	2.9	9
15	Quasi-monoenergetic ion beam acceleration by laser-driven shock and solitary waves in near-critical plasmas. Physics of Plasmas, 2016, 23, 073118.	1.9	28
16	A Statistical Analysis of Solar Wind Parameters and Geomagnetic Indices during the Solar Cycle 23. Chinese Journal of Geophysics, 2015, 58, 170-178.	0.2	1