

Xiaofei Shen

List of Publications by Year in descending order

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papers

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citations

1163117

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docs citations

16
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	High-current laser-driven beams of relativistic electrons for high energy density research. Plasma Physics and Controlled Fusion, 2020, 62, 115024.	2.1	43
2	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
3	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
4	Revisit on ion acceleration mechanisms in solid targets driven by intense laser pulses. Plasma Physics and Controlled Fusion, 2019, 61, 014039.	2.1	22
5	Monoenergetic High-Energy Ion Source via Femtosecond Laser Interacting with a Microtape. Physical Review X, 2021, 11, .	8.9	20
6	Electrostatic capacitance-type acceleration of ions with an intense few-cycle laser pulse. Applied Physics Letters, 2019, 114, .	3.3	14
7	Bright betatron x-rays generation from picosecond laser interactions with long-scale near critical density plasmas. Applied Physics Letters, 2021, 118, .	3.3	12
8	Maintaining stable radiation pressure acceleration of ion beams via cascaded electron replenishment. New Journal of Physics, 2017, 19, 033034.	2.9	11
9	Bright betatron radiation from direct-laser-accelerated electrons at moderate relativistic laser intensity. Matter and Radiation at Extremes, 2021, 6, .	3.9	11
10	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
11	Scaling laws for laser-driven ion acceleration from nanometer-scale ultrathin foils. Physical Review E, 2021, 104, 025210.	2.1	9
12	Identifying the quantum radiation reaction by using colliding ultraintense lasers in gases. Physical Review A, 2018, 98, .	2.5	5
13	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
14	Monoenergetic ion beam acceleration from transversely confined near-critical plasmas by intense laser pulses. Physics of Plasmas, 2017, 24, .	1.9	4
15	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
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