

Artem Martynenko

List of Publications by Year in descending order

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15
papers

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all docs

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docs citations

15
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise wavelength measurements of potassium He- and Li-like satellites emitted from the laser plasma of a mineral target. <i>Matter and Radiation at Extremes</i> , 2021, 6, 014402.	3.9	4
2	Reflecting laser-driven shocks in diamond in the megabar pressure range. <i>High Power Laser Science and Engineering</i> , 2021, 9, .	4.6	6
3	Optimization of a laser plasma-based x-ray source according to WDM absorption spectroscopy requirements. <i>Matter and Radiation at Extremes</i> , 2021, 6, .	3.9	9
4	Analysis of Ly α Dielectronic Satellites to Characterize Temporal Profile of Intense Femtosecond Laser Pulses. <i>Crystals</i> , 2021, 11, 130.	2.2	2
5	Role of relativistic laser intensity on isochoric heating of metal wire targets. <i>Optics Express</i> , 2021, 29, 12240.	3.4	5
6	Shock Hugoniot Data for Water up to 5 Mbar Obtained with Quartz Standard at High-Energy Laser Facilities. <i>Laser and Particle Beams</i> , 2021, 2021, .	1.0	2
7	Effect of plastic coating on the density of plasma formed in Si foil targets irradiated by ultra-high-contrast relativistic laser pulses. <i>Physical Review E</i> , 2020, 101, 043208.	2.1	6
8	Time evolution of stimulated Raman scattering and two-plasmon decay at laser intensities relevant for shock ignition in a hot plasma. <i>High Power Laser Science and Engineering</i> , 2019, 7, .	4.6	32
9	Possibility of estimating high-intensity-laser plasma parameters by modelling spectral line profiles in spatially and time-integrated X-ray emission. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	5
10	High-resolution X-ray spectroscopy diagnostics of initial stages parameters of picosecond laser plasma. <i>Vestnik Obšedinennogo Instituta Vysokih Temperatur</i> , 2019, 3, 50-52.	0.0	0
11	Laser Simulations of the Destructive Impact of Nuclear Explosions on Hazardous Asteroids. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 126, 132-145.	0.9	9
12	X-ray radiation properties of plasma under interaction of femtosecond laser pulses with $\sim 10^{22}$ W/cm ² intensities.. , 2018, , .		0
13	Optimizing the Configuration of the Magnetic Deflection System of an Electron Spectrometer. <i>Physics of Atomic Nuclei</i> , 2017, 80, 1515-1519.	0.4	0
14	Study of the Insulating Magnetic Field in an Accelerating Ion Diode. <i>Physics of Atomic Nuclei</i> , 2017, 80, 1677-1682.	0.4	0
15	Magnetic discharge accelerating diode for the gas-filled pulsed neutron generators based on inertial confinement of ions. <i>Journal of Physics: Conference Series</i> , 2016, 747, 012006.	0.4	1