Artem Martynenko

List of Publications by Year
in descending order

15	81	1684188 5	1474206 9
papers	citations	h-index	g-index

15	15	15	125
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time evolution of stimulated Raman scattering and two-plasmon decay at laser intensities relevant for shock ignition in a hot plasma. High Power Laser Science and Engineering, 2019, 7, .	4.6	32
2	Laser Simulations of the Destructive Impact of Nuclear Explosions on Hazardous Asteroids. Journal of Experimental and Theoretical Physics, 2018, 126, 132-145.	0.9	9
3	Optimization of a laser plasma-based x-ray source according to WDM absorption spectroscopy requirements. Matter and Radiation at Extremes, 2021, 6, .	3.9	9
4	Effect of plastic coating on the density of plasma formed in Si foil targets irradiated by ultra-high-contrast relativistic laser pulses. Physical Review E, 2020, 101, 043208.	2.1	6
5	Reflecting laser-driven shocks in diamond in the megabar pressure range. High Power Laser Science and Engineering, 2021, 9, .	4.6	6
6	Possibility of estimating high-intensity-laser plasma parameters by modelling spectral line profiles in spatially and time-integrated X-ray emission. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	5
7	Role of relativistic laser intensity on isochoric heating of metal wire targets. Optics Express, 2021, 29, 12240.	3.4	5
8	Precise wavelength measurements of potassium He- and Li-like satellites emitted from the laser plasma of a mineral target. Matter and Radiation at Extremes, 2021, 6, 014402.	3.9	4
9	Analysis of LyÎ± Dielectronic Satellites to Characterize Temporal Profile of Intense Femtosecond Laser Pulses. Crystals, 2021, 11, 130.	2.2	2
10	Shock Hugoniot Data for Water up to 5 Mbar Obtained with Quartz Standard at High-Energy Laser Facilities. Laser and Particle Beams, 2021, 2021, .	1.0	2
11	Magnetic discharge accelerating diode for the gas-filled pulsed neutron generators based on inertial confinement of ions. Journal of Physics: Conference Series, 2016, 747, 012006.	0.4	1
12	Optimizing the Configuration of the Magnetic Deflection System of an Electron Spectrometer. Physics of Atomic Nuclei, 2017, 80, 1515-1519.	0.4	0
13	Study of the Insulating Magnetic Field in an Accelerating Ion Diode. Physics of Atomic Nuclei, 2017, 80, 1677-1682.	0.4	0
14	X-ray radiation properties of plasma under interaction of femtosecond laser pulses with âˆ¼ 1022 W/cm2 intensities.. , 2018, , .		0
15	High-resolution X-ray spectroscopy diagnostics of initial stages parameters of picosecond laser plasma. Vestnik ObÊºedinennogo Instituta Vysokih Temperatur, 2019, 3, 50-52.	0.0	0