Serguei G Kalmykov

List of Publications by Year
in descending order

22	117	1478505 6	1474206 9
papers	citations	h-index	g-index

22	22	22	33
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measuring Geometric Parameters of a High-Power Infrared Laser Beam near the Focus for Applications in a Laser-Plasma Short-Wave Radiation Source. Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overloc	0.7	1
2	Further development of the Xe laser plasma 11-nm radiation source â€“ new data on laser energy absorption and spectroscopy. Journal of Physics: Conference Series, 2020, 1697, 012237.	0.4	1
3	Xe laser-plasma EUV radiation source with a wavelength near 11â€‰nmâ€”Optimization and conversion efficiency. Journal of Applied Physics, 2019, 126, .	2.5	14
4	A New Method of Suppressing Peripheral Absorption in a Laser-Plasma Short-Wave Radiation Source with a Xe Gas-Jet Target. Technical Physics Letters, 2018, 44, 1100-1103.	0.7	5
5	Absolutely calibrated EUV spectra of Xe laser plasma radiation for lithography needs. Journal of Physics: Conference Series, 2018, 1135, 012086.	0.4	1
6	Absolutely Calibrated Spectrally Resolved Measurements of Xe Laser Plasma Radiation Intensity in the EUV Range. Technical Physics, 2018, 63, 1507-1510.	0.7	9
7	Absorption of the laser radiation by the laser plasma with gas microjet targets. Technical Physics Letters, 2017, 43, 67-70.	0.7	2
8	Prepulse-induced shock waves in the gas jet target of a laser plasma EUV radiation source. Journal Physics D: Applied Physics, 2017, 50, 025201.	2.8	7
9	Features of experimental spectra of the laser plasma with a dense xenon gas-jet target in the extreme ultraviolet range. Technical Physics Letters, 2017, 43, 1001-1004.	0.7	10
10	Computational simulation of laser plasma emission with shock-wave-affected density distribution in the gas-jet target. Technical Physics Letters, 2016, 42, 993-996.	0.7	3
11	Shock waves in gas-jet target of a laser-produced-plasma short-wave-radiation source with two-pulse plasma excitation. Technical Physics Letters, 2014, 40, 980-983.	0.7	5
12	The effect of a UV preionization pulse on short-wave radiation output from a laser-produced-plasma source with a Xe gas-jet target. Technical Physics Letters, 2014, 40, 648-650.	0.7	6
13	Start-phase ionization dynamics in the laser plasma at low gas target densities. Technical Physics, 2013, 58, 1783-1788.	0.7	3
14	Ionization dynamics in the laser plasma in a low pressure gas target. Technical Physics Letters, 2012, 38, 1004-1006.	0.7	4
15	Study of the structure and parameters of a KrF excimer laser beam. Technical Physics, 2012, 57, 1681-1686.	0.7	5
16	A study of the laser plasma in stationary gases at low pressures. Technical Physics Letters, 2011, 37, 157-159.	0.7	5
17	Laser spark propagation along the beam in stationary gases at low pressures. Technical Physics Letters, 2011, 37, 274-277.	0.7	5
18	Computational optimization analysis of a gas-jet target in a laser-plasma short-wave radiation source. Technical Physics, 2011, 56, 766-775.	0.7	17

#	Article	IF	Citations
19	Numerical simulation of gas-jet target in the laser-produced-plasma short-wave-radiation source. Technical Physics Letters, 2010, 36, 1072-1075.	0.7	2
20	Upper estimate of the conversion coefficient in a laser-plasma short-wavelength radiation source for nanolithography. Technical Physics Letters, 2009, 35, 1020-1022.	0.7	5
21	The role of multiphoton ionization in the generation and heating of laser plasma. Technical Physics Letters, 2008, 34, 757-759.	0.7	5
22	Absorption of laser radiation in a laser-produced plasma of Xe â€“ hydrodynamic effects and nonequilibrium ionization. Journal Physics D: Applied Physics, 0, , .	2.8	2