

# Yurii Mikhailov

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

45  
citations

2258059

3  
h-index

1872680

6  
g-index

20  
all docs

20  
docs citations

20  
times ranked

38  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of anomalous generation of 1 <sup>st</sup> and 2 <sup>nd</sup> harmonics of heating radiation in laser plasma corona by means of holographic gratings. Laser and Particle Beams, 1985, 3, 197-205.	1.0	14
2	Investigation of Plasma Parameters at the Spherical Heating of the Isolated Solid Target by High-Power Laser Radiation. , 1974, , 553-590.		8
3	The investigation of heating and compression of high-aspect ratio targets with "Delfin-1". Laser and Particle Beams, 1984, 2, 103-119.	1.0	7
4	Direct amplification of picosecond pulses in neodymium glass with a power density above 100 GW cm <sup>-2</sup> . Quantum Electronics, 2003, 33, 841-844.	1.0	3
5	Study of symmetrising action of laser prepulse on inhomogeneity of thin foil heating. Quantum Electronics, 2005, 35, 641-644.	1.0	3
6	Focusing crystal mirrors for X-ray diagnostics of laser-produced plasma. Journal of Soviet Laser Research, 1990, 11, 321-342.	0.2	2
7	Smoothing of ablation pressure nonuniformities in the laser-plasma corona during heating of laser fusion targets. Quantum Electronics, 2009, 39, 531-536.	1.0	2
8	Surface optical strength of optical and laser glasses subjected to picosecond pulses. Quantum Electronics, 1995, 25, 562-566.	1.0	1
9	Anomalous burn-through of thin foils by high-intensity laser radiation. Journal of Experimental and Theoretical Physics, 1999, 89, 689-695.	0.9	1
10	Measurement of Spatial-Frequency and Amplitude Responses of a CCD-Matrix Image-Registration Device. Journal of Russian Laser Research, 2003, 24, 322-334.	0.6	1
11	Effect of a prepulse on ablation-pressure smoothing in laser heating of thin foils. Journal of Russian Laser Research, 2007, 28, 311-325.	0.6	1
12	Stochastic heating of electrons in focused multimode laser fields. Journal of Russian Laser Research, 2007, 28, 345-356.	0.6	1
13	High-Intensity-Laser-Matter Interactions: the Energy-Control System of the Pico Laser Facility. Journal of Russian Laser Research, 2016, 37, 374-381.	0.6	1
14	Anomalous high energy electron emission from laser plasma. AIP Conference Proceedings, 1996, , .	0.4	0
15	Efficient direct amplification of powerful picosecond pulses in Nd-glass laser. AIP Conference Proceedings, 1996, , .	0.4	0
16	A method for measuring the spatial-frequency characteristic of an image-recording device based on a CCD matrix. Instruments and Experimental Techniques, 2000, 43, 654-658.	0.5	0
17	Measuring the Amplitude Characteristic of an Image Recorder Based on a CCD Matrix. Instruments and Experimental Techniques, 2001, 44, 677-680.	0.5	0
18	Study of Direct Amplification of Ultrashort Light Pulses in a Laser Amplifier with a View to Obtaining High Radiation Contrast. Journal of Russian Laser Research, 2004, 25, 349-360.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Dependence of the temperature of stochastically heated electrons on the flux density of pulsed laser radiation on a target. Bulletin of the Lebedev Physics Institute, 2010, 37, 324-329.	0.6	0
20	Structure of a laser field of various polarizations in the focal region of an ideal focusing lens. Calculation by methods of scalar diffraction theory. Journal of Russian Laser Research, 2011, 32, 19.	0.6	0