

Gorbunkov Mikhail

List of Publications by Year in descending order

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papers

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35
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91
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable Repetition Rate Picosecond Master Oscillator for Photoelectron Gun. Photonics, 2022, 9, 106.	2.0	0
2	Analysis of Self-Starting Harmonic Mode-Locking in an Electro-Optic-Feedback Laser. IEEE Journal of Quantum Electronics, 2021, 57, 1-8.	1.9	1
3	Discrete Maps and the Problem of Round Trip Time Scale Nonlinear Dynamics in Solid-State Lasers. Springer Proceedings in Mathematics and Statistics, 2015, , 159-170.	0.2	1
4	Behavior of threshold pump power of diode end-pumped solid-state lasers in critical cavity configurations. Laser Physics Letters, 2015, 12, 025001.	1.4	9
5	Compact 1.64 THz source based on a dual-wavelength diode end-pumped Nd:YLF laser with a nearly semiconfocal cavity. Laser Physics Letters, 2014, 11, 015004.	1.4	15
6	Round-Trip-Time Nonlinear Dynamics of Electro-Optically-Controlled Solid State Lasers. Journal of Russian Laser Research, 2014, 35, 492-500.	0.6	1
7	Lasing threshold of Nd-doped crystal, ceramic, and glass lasers under spatially inhomogeneous diode pumping. Bulletin of the Lebedev Physics Institute, 2013, 40, 55-61.	0.6	4
8	Two-frequency lasing in the Nd:YLF laser with a lens-shaped active element and longitudinal diode pumping. Bulletin of the Lebedev Physics Institute, 2011, 38, 311-316.	0.6	6
9	Self-stimulated emission of undulator radiation. Journal of Instrumentation, 2010, 5, P07004-P07004.	1.2	0
10	Laser cavity round trip time scale regular and chaotic nonlinear dynamics in a picosecond laser controlled with a combination of positive and negative optoelectronic feedbacks. , 2010, , .		0
11	Diode end-pumped acousto-optically Q-switched compact Nd:YLF laser. Applied Physics B: Lasers and Optics, 2010, 101, 71-74.	2.2	12
12	Enhanced optical cooling of muon beams. Journal of Instrumentation, 2010, 5, P01011-P01011.	1.2	0
13	Design study of compact Laser-Electron X-ray Generator for material and life sciences applications. Journal of Instrumentation, 2009, 4, P07017-P07017.	1.2	16
14	Optical unit of Laser-Electron X-ray Generator designed for medical applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, S32-S35.	1.6	8
15	Symmetry of the spatial structure of radiation upon transverse mode locking in an astigmatic resonator laser. Quantum Electronics, 2009, 39, 759-764.	1.0	1
16	Period doubling cascade and deterministic chaos in a laser self-mode-locked by the combination of inertial negative and positive feedbacks. Bulletin of the Lebedev Physics Institute, 2009, 36, 150-156.	0.6	2
17	Generation of a regular sequence of short-pulse microtrains with a discretely varied repetition period. Bulletin of the Lebedev Physics Institute, 2009, 36, 270-276.	0.6	1
18	Submicrosecond regular and chaotic nonlinear dynamics in a pulsed picosecond Nd:YAG laser with millisecond pumping. Applied Optics, 2009, 48, 2267.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Manifestation of active medium astigmatism at transverse mode locking in a diode end-pumped stable resonator laser. Applied Optics, 2008, 47, 3651.	2.1	12
20	Influence of the resonator parameters and spatially nonuniform amplification on the spatial structure of the fundamental mode of stable resonator lasers. Quantum Electronics, 2008, 38, 689-694.	1.0	8
21	Laser-electron generator for X-ray applications in science and technology. Laser and Particle Beams, 2008, 26, 489-495.	1.0	31
22	Enhanced optical cooling system test in an electron storage ring. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	9
23	Proposal for an Enhanced Optical Cooling system test in an electron storage ring. , 2007, , .		1
24	Quasi CW mode, regular and chaotic dynamics in picosecond Nd:YAG laser with millisecond pumping under optoelectronic feedback control. , 2007, , .		0
25	Relativistic Thomson scattering in compact linacs and storage rings: a route to quasi-monochromatic tunable laboratory-scale x-ray sources. Proceedings of SPIE, 2007, , .	0.8	4
26	Peculiarities of the fundamental mode structure in stable-resonator lasers upon spatially inhomogeneous amplification. Quantum Electronics, 2007, 37, 173-180.	1.0	12
27	Development of a Laser Unit with a Time Structure required by a Medical Thomson X-ray Generator. AIP Conference Proceedings, 2007, , .	0.4	0
28	Laser-electron x-ray generator. Journal of Surface Investigation, 2007, 1, 435-442.	0.5	2
29	Proposal of a compact repetitive dichromatic x-ray generator with millisecond duty cycle for medical applications. , 2006, , .		3
30	Proposal of a compact repetitive dichromatic x-ray generator with millisecond duty cycle for medical applications. , 2005, , .		4
31	Spatial radiation intensity distribution of linear diode arrays and calculation of inversion in fibre-coupled end-pumped solid-state lasers. Quantum Electronics, 2005, 35, 1121-1125.	1.0	3
32	Pulsed-diode-pumped, all-solid-state, electro-optically controlled picosecond Nd:YAG lasers. Quantum Electronics, 2005, 35, 2-6.	1.0	28
33	Laser electron-beam X-ray source for medical applications. Physics-Uspekhi, 2003, 46, 872-876.	2.2	12
34	Two-loop feedback controlled laser: new possibilities for ultrashort-pulse generation and high-level stabilization. , 2002, 4751, 463.		12
35	<title>Picosecond Streak Tube Line Spread Function (LSF) Investigation By Using Ultrashort Light Pulses</title>. , 1983, 0348, 590.		0