

Volkov Michail

List of Publications by Year in descending order

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18
papers

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citations

1684188

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1720034

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18
all docs

18
docs citations

18
times ranked

29
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart adaptive optical system for correcting the laser wavefront distorted by atmospheric turbulence. Quantum Electronics, 2020, 50, 707-709.	1.0	11
2	Filamentation of femtosecond laser radiation with a non-Gaussian transverse spatial profile. Quantum Electronics, 2011, 41, 958-962.	1.0	6
3	Numerical investigation of multichannel laser beam phase locking in turbulent atmosphere. Quantum Electronics, 2015, 45, 1125-1131.	1.0	6
4	Laser-induced plasma influence onto intrapulse four-wave mixing under femtosecond filamentation in air. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 094017.	1.5	6
5	Dynamic phasing of multichannel cw laser radiation by means of a stochastic gradient algorithm. Quantum Electronics, 2013, 43, 852-856.	1.0	5
6	Phase locking of a seven-channel continuous wave fibre laser system by a stochastic parallel gradient algorithm. Quantum Electronics, 2014, 44, 1039-1042.	1.0	4
7	Four-wave mixing in molecular gases under filamentation of the collimated femtosecond beam. Laser Physics Letters, 2014, 11, 125302.	1.4	3
8	Phasing of seven-channel fibre laser radiation with dynamic turbulent phase distortions using a stochastic parallel gradient algorithm at a bandwidth of 450 kHz. Quantum Electronics, 2020, 50, 694-699.	1.0	2
9	Near-IR lasing in caesium vapour. Quantum Electronics, 2021, 51, 415-418.	1.0	2
10	Spatial resolution of adaptive optical system elements and correction efficiency of laser beam with turbulent phase distortion. , 2020, , .		2
11	Dynamic correction of the laser beam distortion by 2000 Hz FPGA-based adaptive optical system. , 2020, , .		1
12	Wavefront correction of laser beam distorted by fan heater turbulence using an adaptive optical system with a frequency of 2000 Hz. , 2021, , .		0
13	Correction of dynamic phase turbulent aberrations of a laser beam with a frequency of 1500 Hz. , 2020, , .		0
14	Phase locking of 7-channel cw fiber laser with dynamic phase distortions by using stochastic parallel gradient algorithm at the system bandwidth 450 kHz. , 2020, , .		0
15	Numerical simulations of dynamic phase correction of laser radiation by the adaptive system with the Shack-Hartmann wavefront sensor. , 2020, , .		0
16	The efficiency of multi-channel laser radiation focusing through the optically inhomogeneous medium under its phasing on the system output and in the target-in-the-loop technique. , 2020, , .		0
17	1500 Hz phase correction of dynamic turbulent distortions of the laser beam. , 2020, , .		0
18	Resolution enhancement of the stellar imaging adaptive system by using an artificial guide star. , 2020, , .		0