Volkov Michail

List of Publications by Year
in descending order

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Version: 2024-02-01

18	48	1684188 5	1720034 7
papers	citations	h-index	g-index

18	18	18	29
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wavefront correction of laser beam distorted by fan heater turbulence using an adaptive optical system with a frequency of 2000 Hz. , 2021, , .		0
2	Near-IR lasing in caesium vapour. Quantum Electronics, 2021, 51, 415-418.	1.0	2
3	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
4	Smart adaptive optical system for correcting the laser wavefront distorted by atmospheric turbulence. Quantum Electronics, 2020, 50, 707-709.	1.0	11
5	Dynamic correction of the laser beam distortion by 2000 Hz FPGA-based adaptive optical system. , 2020, , .		1
6	Correction of dynamic phase turbulent aberrations of a laser beam with a frequency of 1500 Hz. , 2020, , .		0
7	Phase locking of 7-channel cw fiber laser with dynamiÑ•phase distortions by using stochastic parallel gradient algorithm at the system bandwidth 450 kHz. , 2020, , .		0
8	Spatial resolution of adaptive optical system elements and correction efficiency of laser beam with turbulent phase distortion. , 2020, , .		2
9	Numerical simulations of dynamic phase correction of laser radiation by the adaptive system with the Shack-Hartmann wavefront sensor. , 2020, , .		0
10	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
11	1500 Hz phase correction of dynamic turbulent distortions of the laser beam. , 2020, , .		0
12	Resolution enhancement of the stellar imaging adaptive system by using an artificial guide star. , 2020, , .		0
13	Numerical investigation of multichannel laser beam phase locking in turbulent atmosphere. Quantum Electronics, 2015, 45, 1125-1131.	1.0	6
14	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
15	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
16	Four-wave mixing in molecular gases under filamentation of the collimated femtosecond beam. Laser Physics Letters, 2014, 11, 125302.	1.4	3
17	Dynamic phasing of multichannel cw laser radiation by means of a stochastic gradient algorithm. Quantum Electronics, 2013, 43, 852-856.	1.0	5
18	Filamentation of femtosecond laser radiation with a non-Gaussian transverse spatial profile. Quantum Electronics, 2011, 41, 958-962.	1.0	6