

Nikolai Korneev

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

190
citations

1478505

6
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

113
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory of nonlinear loop mirrors with twisted low-birefringence fiber. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 919.	2.1	78
2	Self-compression of 1+1D cnoidal wave in photorefractive BTO crystal: an experimental evidence. Optics Communications, 2001, 197, 209-215.	2.1	22
3	Initial development of supercontinuum in fibers with anomalous dispersion pumped by nanosecond-long pulses. Optics Express, 2008, 16, 2636.	3.4	22
4	Mechanisms of holographic recording in rubidium vapor close to resonance. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1899.	2.1	11
5	Transverse modulational instability of periodic light patterns in photorefractive strontium barium niobate crystal. Optics Letters, 2002, 27, 2088.	3.3	10
6	Ultrasound induced by CW laser cavitation bubbles. Journal of Physics: Conference Series, 2011, 278, 012029.	0.4	9
7	Theory of multiple-beam interaction in photorefractive media. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 580.	2.1	6
8	Multisoliton pulse breakup in WKB approximation. Optik, 2020, 207, 164359.	2.9	5
9	Transition to optical chaos in a photorefractive parametric oscillator with Bi12TiO20 crystal. Optics Communications, 1998, 153, 295-300.	2.1	4
10	Polarization chaos in nonlinear birefringent resonators. Optics Communications, 2002, 211, 153-157.	2.1	4
11	Rubidium vapor holography for noncontact adaptive detection of ultrasound. Optics Letters, 2009, 34, 1964.	3.3	4
12	Direct multi-level density matrix calculation of nonlinear optical rotation spectra in rubidium vapour. Journal of Modern Optics, 2009, 56, 1194-1198.	1.3	4
13	Vectorial mechanism of nonlinearity enhancement in rubidium vapor. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2588.	2.1	3
14	Multisoliton spectrum breaking due to small harmonic perturbations. Optik, 2019, 179, 560-565.	2.9	3
15	Laser Beam Guiding by Self-Tightening Photonic Lattice. IEEE Journal of Quantum Electronics, 2008, 44, 1028-1032.	1.9	2
16	Pattern-based optical memory with low power switching in rubidium vapor. Optics Communications, 2013, 291, 309-312.	2.1	1
17	Perturbation approximation for higher modes in nearly regular two-dimensional cavities. Cogent Physics, 2016, 3, .	0.7	1
18	Coherent-solitonic states for Gross-Pitaevskii equation with parabolic potential. Optik, 2022, 255, 168628.	2.9	1

#	ARTICLE	IF	CITATIONS
19	Influence of shallow traps on holographic recording in Bi 12 SiO 20 in the temperature range 200-350 K. Applied Physics B: Lasers and Optics, 1999, 68, 859-862.	2.2	0
20	Rubidium vapour based adaptive interferometer for laser ultrasound detection. Journal of Physics: Conference Series, 2011, 278, 012040.	0.4	0
21	Resonant nonlinearity enhancement in rubidium vapor with additional optical pumping. Journal of Modern Optics, 2014, 61, 1009-1017.	1.3	0
22	Soliton content of wave packets with strong phase modulation: The Wentzelâ€Kramersâ€Brillouin approach. Optik, 2021, 225, 165424.	2.9	0