

# Nikolai Korneev

## List of Publications by Year in descending order

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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	Coherent-solitonic states for Grossâ€Pitaevskii equation with parabolic potential. Optik, 2022, 255, 168628.	2.9	1
2	Soliton content of wave packets with strong phase modulation: The Wentzelâ€Kramersâ€Brillouin approach. Optik, 2021, 225, 165424.	2.9	0
3	Multisoliton pulse breakup in WKB approximation. Optik, 2020, 207, 164359.	2.9	5
4	Multisoliton spectrum breaking due to small harmonic perturbations. Optik, 2019, 179, 560-565.	2.9	3
5	Perturbation approximation for higher modes in nearly regular two-dimensional cavities. Cogent Physics, 2016, 3, .	0.7	1
6	Resonant nonlinearity enhancement in rubidium vapor with additional optical pumping. Journal of Modern Optics, 2014, 61, 1009-1017.	1.3	0
7	Pattern-based optical memory with low power switching in rubidium vapor. Optics Communications, 2013, 291, 309-312.	2.1	1
8	Vectorial mechanism of nonlinearity enhancement in rubidium vapor. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2588.	2.1	3
9	Rubidium vapour based adaptive interferometer for laser ultrasound detection. Journal of Physics: Conference Series, 2011, 278, 012040.	0.4	0
10	Ultrasound induced by CW laser cavitation bubbles. Journal of Physics: Conference Series, 2011, 278, 012029.	0.4	9
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	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
14	Initial development of supercontinuum in fibers with anomalous dispersion pumped by nanosecond - long pulses. Optics Express, 2008, 16, 2636.	3.4	22
15	Laser Beam Guiding by Self-Tightening Photonic Lattice. IEEE Journal of Quantum Electronics, 2008, 44, 1028-1032.	1.9	2
16	Transverse modulational instability of periodic light patterns in photorefractive strontium barium niobate crystal. Optics Letters, 2002, 27, 2088.	3.3	10
17	Polarization chaos in nonlinear birefringent resonators. Optics Communications, 2002, 211, 153-157.	2.1	4
18	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

#	ARTICLE	IF	CITATIONS
19	Self-compression of 1+1D cnoidal wave in photorefractive BTO crystal: an experimental evidence. Optics Communications, 2001, 197, 209-215.	2.1	22
20	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
21	Theory of multiple-beam interaction in photorefractive media. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 580.	2.1	6
22	Transition to optical chaos in a photorefractive parametric oscillator with Bi12TiO20 crystal. Optics Communications, 1998, 153, 295-300.	2.1	4