

# Anastasia E Bednyakova

## List of Publications by Year in descending order

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35  
papers

668  
citations

759233

12  
h-index

580821

25  
g-index

36  
all docs

36  
docs citations

36  
times ranked

537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse design of mode-locked fiber laser by particle swarm optimization algorithm. Scientific Reports, 2021, 11, 13555.	3.3	19
2	Nonlinear spectral blueshift in semiconductor optical amplifiers. Optics Letters, 2021, 46, 4757.	3.3	4
3	Energy scaling of an erbium-doped mode-locked fiber laser oscillator. OSA Continuum, 2021, 4, 2663.	1.8	6
4	Influence of Spectral Filtration on Pulse Dynamics in Ring-Cavity Mamyshev Oscillator. Applied Sciences (Switzerland), 2021, 11, 10398.	2.5	6
5	Raman dissipative solitons generator near 1.3 $\mu\text{m}$ : limiting factors and further perspectives. Optics Express, 2020, 28, 22179.	3.4	6
6	Numerical analysis of the transmission function of the NPE-based saturable absorber in a mode-locked fiber laser. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2763.	2.1	3
7	Machine learning-based pulse characterization in figure-eight mode-locked lasers. Optics Letters, 2019, 44, 3410.	3.3	26
8	Hamiltonian approach for optimization of phase-sensitive double-pumped parametric amplifiers. Optics Express, 2018, 26, 15503.	3.4	1
9	Double-Wall Carbon Nanotube Hybrid Mode-Locker in Tm-doped Fibre Laser: A Novel Mechanism for Robust Bound-State Solitons Generation. Scientific Reports, 2017, 7, 44314.	3.3	57
10	Spectral comb of highly chirped pulses generated via cascaded FWM of two frequency-shifted dissipative solitons. Scientific Reports, 2017, 7, 2905.	3.3	7
11	Generation of highly-chirped dissipative solitons in Er-doped all-fiber oscillator. , 2017, , .		0
12	Simple geometric interpretation of signal evolution in phase-sensitive fibre optic parametric amplifier. Optics Express, 2017, 25, 223.	3.4	4
13	Simple Geometric Approach for Optimization of Phase-Sensitive Fibre Optic Parametric Amplifiers. , 2017, , .		0
14	Simulation of RIN transfer in coherent optical communication links with distributed Raman amplification. , 2017, , .		0
15	All-fiber highly chirped dissipative soliton generation in the telecom range. Optics Letters, 2017, 42, 3221.	3.3	12
16	Dissipative solitons in fiber lasers. Physics-Uspexhi, 2016, 59, 642-668.	2.2	51
17	Towards generation of multicolor dissipative solitons in telecom range. , 2016, , .		0
18	Cascaded generation of coherent Raman dissipative solitons. Optics Letters, 2016, 41, 175.	3.3	23

#	ARTICLE	IF	CITATIONS
19	Mode-locked fiber laser with cascaded generation of coherent Raman dissipative solitons. , 2016, , .		0
20	Adiabatic Soliton Laser. Physical Review Letters, 2015, 114, 113901.	7.8	17
21	Supercontinuum generation beyond 2â€‰%Âµm in GeO2fiber: comparison of nano- and femtosecond pumping. Laser Physics Letters, 2015, 12, 065101.	1.4	10
22	Feedback-controlled Raman dissipative solitons in a fiber laser. Optics Express, 2015, 23, 1857.	3.4	32
23	Inverse four-wave mixing and self-parametric amplification in optical fibre. Nature Photonics, 2015, 9, 608-614.	31.4	64
24	Spectral Narrowing of CW Light in Optical Fibers with Normal Dispersion. , 2015, , .		0
25	Mode-locked all-fiber laser with cascaded generation of Raman dissipative solitons. , 2015, , .		0
26	Multicolour nonlinearly bound chirped dissipative solitons. Nature Communications, 2014, 5, 4653.	12.8	89
27	Spatially cascaded cavities for power saving distributed Raman amplification. Optics Communications, 2013, 291, 274-278.	2.1	1
28	Hybrid gain-flattened and reduced power excursion scheme for distributed Raman amplification. Optics Express, 2013, 21, 29140.	3.4	7
29	Temporal and statistical properties of the ytterbium doped fiber laser. , 2013, , .		0
30	Generation dynamics of the narrowband Yb-doped fiber laser. Optics Express, 2013, 21, 8177.	3.4	46
31	Evolution of dissipative solitons in a fiber laser oscillator in the presence of strong Raman scattering. Optics Express, 2013, 21, 20556.	3.4	81
32	Simulation of dissipative solitons in a fiber laser oscillator at presence of strong Raman scattering. , 2013, , .		0
33	On two-wavelength Raman fibre laser based on spectral broadening. , 2011, , .		0
34	Modeling of CW Yb-doped fiber lasers with highly nonlinear cavity dynamics. Optics Express, 2011, 19, 8394.	3.4	88
35	Raman laser based on a fiber with variable mode structure. Laser Physics, 2011, 21, 290-293.	1.2	5