Popov Sergei

List of Publications by Year in Descending Order

79 papers	2,882 citations	26 h-index	53 g-index
112 ext. papers	3,359 ext. citations	2.9 avg, IF	4.61 L-index

#	Paper	IF	Citations
79	Generation of high frequency trains of chirped soliton-like pulses in inhomogeneous and cascaded active fiber configurations. *Optics Communications*, **2018**, 426, 333-340	2	1
78	Fiber-integrated frequency-doubling of a picosecond Raman laser to 560 nm. *Optics Express*, **2015**, 23, 15728-33	3.3	11
77	Duration-tunable picosecond source at 560 nm with watt-level average power. *Optics Letters*, **2015**, 40, 3085-8	3	15
76	Solution processed MoS2-PVA composite for sub-bandgap mode-locking of a wideband tunable ultrafast Er:fiber laser. *Nano Research*, **2015**, 8, 1522-1534	10	210
75	Fiber grating compression of giant-chirped nanosecond pulses from an ultra-long nanotube mode-locked fiber laser. *Optics Letters*, **2015**, 40, 387-90	3	18
74	Ultrafast fibre laser sources: Examples of recent developments. *Optical Fiber Technology*, **2014**, 20, 666-677	2.4	15
73	Fiber-integrated 780 nm source for visible parametric generation. *Optics Express*, **2014**, 22, 29726-32	3.3	3
72	Tunable Q-switched fiber laser based on saturable edge-state absorption in few-layer molybdenum disulfide (MoS□). *Optics Express*, **2014**, 22, 31113-22	3.3	279
71	Scalar Nanosecond Pulse Generation in a Nanotube Mode-Locked Environmentally Stable Fiber Laser. *IEEE Photonics Technology Letters*, **2014**, 26, 1672-1675	2.2	18
70	Q-switched Fiber Laser with MoS2 Saturable Absorber **2014**,		19
69	Stimulated Brillouin scattering of visible light in small-core photonic crystal fibers. *Optics Letters*, **2014**, 39, 2330-3	3	18
68	CW-pumped short pulsed 1.12 □m Raman laser using carbon nanotubes. *Laser Physics Letters*, **2013**, 10, 015101	1.5	17
67	Femtosecond pulses at 20 GHz repetition rate through spectral masking of a phase modulated signal and nonlinear pulse compression. *Optics Express*, **2013**, 21, 5671-6	3.3	10
66	Widely tunable polarization maintaining photonic crystal fiber based parametric wavelength conversion. *Optics Express*, **2013**, 21, 15826-33	3.3	11
65	Mid-infrared Raman-soliton continuum pumped by a nanotube-mode-locked sub-picosecond Tm-doped MOPFA. *Optics Express*, **2013**, 21, 23261-71	3.3	64
64	Characterization of nonlinear saturation and mode-locking potential of ionically-doped colored glass filter for short-pulse fiber lasers. *Optics Express*, **2013**, 21, 12562-9	3.3	3
63	Stable Gain-Guided Soliton Propagation in a Polarized Yb-Doped Mode-Locked Fiber Laser. *IEEE Photonics Journal*, **2012**, 4, 1058-1064	1.8	4

62	Role of pump coherence in the evolution of continuous-wave supercontinuum generation initiated by modulation instability. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 502	1.7	26
61	Harmonic and single pulse operation of a Raman laser using graphene. *Laser Physics Letters*, **2012**, 9, 223-228	1.5	26
60	All-fiber integrated 10 GHz repetition rate femtosecond laser source based on Raman compression of pulses generated through spectral masking of a phase-modulated diode. *Optics Letters*, **2012**, 37, 3099-101	3	8
59	Synchronously pumped photonic crystal fiber-based optical parametric oscillator. *Optics Letters*, **2012**, 37, 3156-8	3	11
58	Tm-doped fiber laser mode-locked by graphene-polymer composite. *Optics Express*, **2012**, 20, 25077-84	3.3	233
57	Continuous Wave Supercontinuum Generation Through Pumping in the Normal Dispersion Region for Spectral Flatness. *IEEE Photonics Technology Letters*, **2012**, 24, 1325-1327	2.2	16
56	Mode-locking by nanotubes of a Raman laser based on a highly doped GeO2 fiber **2012**,		2
55	Amplification of picosecond pulses and gigahertz signals in bismuth-doped fiber amplifiers. *Optics Letters*, **2011**, 36, 1446-8	3	8
54	Picosecond bismuth-doped fiber MOPFA for frequency conversion. *Optics Letters*, **2011**, 36, 3792-4	3	10
53	Passive synchronization of all-fiber lasers through a common saturable absorber. *Optics Letters*, **2011**, 36, 3984-6	3	52
52	Ultrafast Raman laser mode-locked by nanotubes. *Optics Letters*, **2011**, 36, 3996-8	3	52
51	Using the E22 transition of carbon nanotubes for fiber laser mode-locking. *Laser Physics Letters*, **2011**, 8, 144-149	1.5	69
50	Nanosecond Pulse Generation in Lumped Normally Dispersive All-Fiber Mode-Locked Laser. *IEEE Photonics Technology Letters*, **2011**, 23, 1379-1381	2.2	6
49	Optimizing penetration depth, contrast, and resolution in 3D dermatologic OCT **2010**,		1
48	Multispectral in vivo three-dimensional optical coherence tomography of human skin. *Journal of Biomedical Optics*, **2010**, 15, 026025	3.5	79
47	Narrow Linewidth Bismuth-Doped All-Fiber Ring Laser. *IEEE Photonics Technology Letters*, **2010**, 22, 793-795	2.2	5
46	Long wavelength extension of CW-pumped supercontinuum through soliton-dispersive wave interactions. *Optics Express*, **2010**, 18, 24729-34	3.3	20
45	Bismuth fiber integrated laser mode-locked by carbon nanotubes. *Laser Physics Letters*, **2010**, 7, 790-794	1.5	66

44	Mode-locking fibre lasers with the E22 transition of carbon nanotubes **2009**,		1
43	Nanosecond-pulse fiber lasers mode-locked with nanotubes. *Applied Physics Letters*, **2009**, 95, 111108	3.4	115
42	Generation and direct measurement of giant chirp in a passively mode-locked laser. *Optics Letters*, **2009**, 34, 3526-8	3	76
41	29 W High power CW supercontinuum source. *Optics Express*, **2008**, 16, 5954	3.3	110
40	Broadband, low intensity noise CW source for OCT at 1800nm. *Optics Communications*, **2008**, 281, 154-156	2	10
39	Pulse Compression in Dispersion Decreasing Photonic Crystal Fiber **2007**,		1
38	2 W/nm peak-power all-fiber supercontinuum source and its application to the characterization of periodically poled non-linear crystals. *Optics Communications*, **2007**, 277, 134-137	2	0
37	Non-linear applications of microstructured optical fibres. *Optical and Quantum Electronics*, **2007**, 39, 963-974	2	3
36	Multi-watt supercontinuum generation from 0.3 to 2.4 μm in PCF tapers **2007**,		1
35	Fibre integrated femtosecond sources based on soliton generation from CW noise. *Electronics Letters*, **2007**, 43, 207	1.1	0
34	High-peak-power femtosecond pulse compression with polarization-maintaining ytterbium-doped fiber amplification. *Optics Letters*, **2007**, 32, 1199-201	3	6
33	2.1 microm continuous-wave Raman laser in GeO2 fiber. *Optics Letters*, **2007**, 32, 1848-50	3	30
32	Narrow-line, 1178nm CW bismuth-doped fiber laser with 6.4W output for direct frequency doubling. *Optics Express*, **2007**, 15, 5473-6	3.3	72
31	Optical pulse compression in dispersion decreasing photonic crystal fiber. *Optics Express*, **2007**, 15, 13203-11	3.3	64
30	Blue light generation in holey fibre using frequency doubled fibre pump source. *Electronics Letters*, **2006**, 42, 200	1.1	
29	Optophysiology: depth-resolved probing of retinal physiology with functional ultrahigh-resolution optical coherence tomography. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 5066-71	11.5	169
28	Second-harmonic generation to the green and yellow using picosecond fiber pump sources and periodically poled waveguides. *Applied Physics Letters*, **2006**, 88, 071113	3.4	10
27	Ytterbium gain band self-induced modulation instability laser. *Optics Letters*, **2006**, 31, 167-8	3	18

26	Zero-dispersion wavelength decreasing photonic crystal fibers for ultraviolet-extended supercontinuum generation. *Optics Express*, **2006**, 14, 5715-22	3.3	176
25	Optophysiology using functional ultrahigh resolution OCT: from in vitro animal to in vivo human measurements **2006**, 6138, 78		
24	High power fibre integrated sources **2006**,		4
23	High brightness picosecond all-fiber generation in 525-1800nm range with picosecond Yb pumping. *Optics Express*, **2005**, 13, 377-81	3.3	52
22	Watts-level frequency doubling of a narrow line linearly polarized Raman fiber laser to 589nm. *Optics Express*, **2005**, 13, 6772-6	3.3	108
21	20-kW peak power all-fiber 1.57-microm source based on compression in air-core photonic bandgap fiber, its frequency doubling, and broadband generation from 430 to 1450 nm. *Optics Letters*, **2005**, 30, 436-8	3	20
20	Extended continuous-wave supercontinuum generation in a low-water-loss holey fiber. *Optics Letters*, **2005**, 30, 1938-40	3	38
19	Red picosecond pulses generated by frequency doubling a Raman amplified widely tunable 1.3 microm fiber ring laser. *Optics Letters*, **2005**, 30, 2769-71	3	1
18	Extended blue supercontinuum generation in cascaded holey fibers. *Optics Letters*, **2005**, 30, 3132-4	3	82
17	Efficient continuous-wave holey fiber Raman laser. *Applied Physics Letters*, **2005**, 87, 031106	3.4	15
16	High-power completely fiber integrated super-continuum sources (Invited Paper) **2005**,		3
15	Compact fully fibre integrated source of 100 fs pulses at 1.1 [micro sign]m based on compression in holey fibre. *Electronics Letters*, **2005**, 41, 234	1.1	2
14	Operation Limits of Flux-grown PPKTP and Stoichiometric PPLT for High Power SHG around 775nm **2005**, TuB25		1
13	All-fibre, 2ps Yb laser with 60kW peak power **2004**, 163		1
12	25W average-power, second-harmonic-generation of a linearly-polarized Er fiber source in PPKTP and its application for tandem harmonic generation in UV **2004**, 155		
11	7W average power, high-beam-quality green generation in MgO-doped stoichiometric periodically poled lithium tantalate. *Applied Physics Letters*, **2004**, 85, 3026-3028	3.4	14
10	Temporal and noise characteristics of continuous-wave-pumped continuum generation in holey fibers around 1300nm. *Applied Physics Letters*, **2004**, 85, 2706-2708	3.4	27
9	Radiation-hard KS-4V glass and optical fiber, manufactured on its basis, for plasma diagnostics in ITER. *Plasma Devices and Operations*, **2004**, 12, 1-9		11

8	All-fiber format compression of frequency chirped pulses in air-guiding photonic crystal fibers. *Physical Review Letters*, **2004**, 93, 103901	7.4	39
7	Electron-beam-induced absorption in quartz glasses. *Journal of Optical Technology (A Translation of Opticheskii Zhurnal)*, **2004**, 71, 415	0.9	3
6	Optical coherence tomography using a continuous-wave, high-power, Raman continuum light source. *Optics Express*, **2004**, 12, 5287-95	3.3	68
5	E-beam-induced absorption in various grades of quartz **2004**,		2
4	Femtosecond pulse compression in air-guiding PCF **2004**,		1
3	1.5-2 μm, multi-Watt white-light generation in CW format in highly-nonlinear fibres **2004**,		1
2	Continuous-wave, high-power, Raman continuum generation in holey fibers. *Optics Letters*, **2003**, 28, 1353-5	3	99
1	Short-pulse, all-fiber, Raman laser with dispersion compensation in a holey fiber. *Optics Letters*, **2003**, 28, 1891-3	3	19