

# Popov Sergei

## List of Publications by Citations

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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	Tunable Q-switched fiber laser based on saturable edge-state absorption in few-layer molybdenum disulfide (MoS <sub>2</sub> ). <i>Optics Express</i> , <b>2014</b> , 22, 31113-22	3.3	279
78	Tm-doped fiber laser mode-locked by graphene-polymer composite. <i>Optics Express</i> , <b>2012</b> , 20, 25077-84	3.3	233
77	Solution processed MoS <sub>2</sub> -PVA composite for sub-bandgap mode-locking of a wideband tunable ultrafast Er:fiber laser. <i>Nano Research</i> , <b>2015</b> , 8, 1522-1534	10	210
76	Zero-dispersion wavelength decreasing photonic crystal fibers for ultraviolet-extended supercontinuum generation. <i>Optics Express</i> , <b>2006</b> , 14, 5715-22	3.3	176
75	Optophysiology: depth-resolved probing of retinal physiology with functional ultrahigh-resolution optical coherence tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 5066-71	11.5	169
74	Nanosecond-pulse fiber lasers mode-locked with nanotubes. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 111108	3.4	115
73	29 W High power CW supercontinuum source. <i>Optics Express</i> , <b>2008</b> , 16, 5954	3.3	110
72	Watts-level frequency doubling of a narrow line linearly polarized Raman fiber laser to 589nm. <i>Optics Express</i> , <b>2005</b> , 13, 6772-6	3.3	108
71	Continuous-wave, high-power, Raman continuum generation in holey fibers. <i>Optics Letters</i> , <b>2003</b> , 28, 1353-5	3	99
70	Extended blue supercontinuum generation in cascaded holey fibers. <i>Optics Letters</i> , <b>2005</b> , 30, 3132-4	3	82
69	Multispectral in vivo three-dimensional optical coherence tomography of human skin. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 026025	3.5	79
68	Generation and direct measurement of giant chirp in a passively mode-locked laser. <i>Optics Letters</i> , <b>2009</b> , 34, 3526-8	3	76
67	Narrow-line, 1178nm CW bismuth-doped fiber laser with 6.4W output for direct frequency doubling. <i>Optics Express</i> , <b>2007</b> , 15, 5473-6	3.3	72
66	Using the E22 transition of carbon nanotubes for fiber laser mode-locking. <i>Laser Physics Letters</i> , <b>2011</b> , 8, 144-149	1.5	69
65	Optical coherence tomography using a continuous-wave, high-power, Raman continuum light source. <i>Optics Express</i> , <b>2004</b> , 12, 5287-95	3.3	68
64	Bismuth fiber integrated laser mode-locked by carbon nanotubes. <i>Laser Physics Letters</i> , <b>2010</b> , 7, 790-794	1.5	66
63	Mid-infrared Raman-soliton continuum pumped by a nanotube-mode-locked sub-picosecond Tm-doped MOPFA. <i>Optics Express</i> , <b>2013</b> , 21, 23261-71	3.3	64

62	Optical pulse compression in dispersion decreasing photonic crystal fiber. <i>Optics Express</i> , <b>2007</b> , 15, 13203-11	3-11	64
61	Passive synchronization of all-fiber lasers through a common saturable absorber. <i>Optics Letters</i> , <b>2011</b> , 36, 3984-6	3	52
60	Ultrafast Raman laser mode-locked by nanotubes. <i>Optics Letters</i> , <b>2011</b> , 36, 3996-8	3	52
59	High brightness picosecond all-fiber generation in 525-1800nm range with picosecond Yb pumping. <i>Optics Express</i> , <b>2005</b> , 13, 377-81	3-3	52
58	All-fiber format compression of frequency chirped pulses in air-guiding photonic crystal fibers. <i>Physical Review Letters</i> , <b>2004</b> , 93, 103901	7-4	39
57	Extended continuous-wave supercontinuum generation in a low-water-loss holey fiber. <i>Optics Letters</i> , <b>2005</b> , 30, 1938-40	3	38
56	2.1 microm continuous-wave Raman laser in GeO <sub>2</sub> fiber. <i>Optics Letters</i> , <b>2007</b> , 32, 1848-50	3	30
55	Temporal and noise characteristics of continuous-wave-pumped continuum generation in holey fibers around 1300nm. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2706-2708	3-4	27
54	Role of pump coherence in the evolution of continuous-wave supercontinuum generation initiated by modulation instability. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, 502	1-7	26
53	Harmonic and single pulse operation of a Raman laser using graphene. <i>Laser Physics Letters</i> , <b>2012</b> , 9, 223-228	1-5	26
52	Long wavelength extension of CW-pumped supercontinuum through soliton-dispersive wave interactions. <i>Optics Express</i> , <b>2010</b> , 18, 24729-34	3-3	20
51	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. <i>Optics Letters</i> , <b>2005</b> , 30, 436-8	3	20
50	Q-switched Fiber Laser with MoS <sub>2</sub> Saturable Absorber <b>2014</b> ,		19
49	Short-pulse, all-fiber, Raman laser with dispersion compensation in a holey fiber. <i>Optics Letters</i> , <b>2003</b> , 28, 1891-3	3	19
48	Fiber grating compression of giant-chirped nanosecond pulses from an ultra-long nanotube mode-locked fiber laser. <i>Optics Letters</i> , <b>2015</b> , 40, 387-90	3	18
47	Scalar Nanosecond Pulse Generation in a Nanotube Mode-Locked Environmentally Stable Fiber Laser. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1672-1675	2-2	18
46	Stimulated Brillouin scattering of visible light in small-core photonic crystal fibers. <i>Optics Letters</i> , <b>2014</b> , 39, 2330-3	3	18
45	Ytterbium gain band self-induced modulation instability laser. <i>Optics Letters</i> , <b>2006</b> , 31, 167-8	3	18

44	CW-pumped short pulsed 1.12 $\mu$ s Raman laser using carbon nanotubes. <i>Laser Physics Letters</i> , <b>2013</b> , 10, 015101	1.5	17
43	Continuous Wave Supercontinuum Generation Through Pumping in the Normal Dispersion Region for Spectral Flatness. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1325-1327	2.2	16
42	Duration-tunable picosecond source at 560 nm with watt-level average power. <i>Optics Letters</i> , <b>2015</b> , 40, 3085-8	3	15
41	Ultrafast fibre laser sources: Examples of recent developments. <i>Optical Fiber Technology</i> , <b>2014</b> , 20, 666-677	3.7	15
40	Efficient continuous-wave holey fiber Raman laser. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 031106	3.4	15
39	7W average power, high-beam-quality green generation in MgO-doped stoichiometric periodically poled lithium tantalate. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 3026-3028	3.4	14
38	Fiber-integrated frequency-doubling of a picosecond Raman laser to 560 nm. <i>Optics Express</i> , <b>2015</b> , 23, 15728-33	3.3	11
37	Widely tunable polarization maintaining photonic crystal fiber based parametric wavelength conversion. <i>Optics Express</i> , <b>2013</b> , 21, 15826-33	3.3	11
36	Synchronously pumped photonic crystal fiber-based optical parametric oscillator. <i>Optics Letters</i> , <b>2012</b> , 37, 3156-8	3	11
35	Radiation-hard KS-4V glass and optical fiber, manufactured on its basis, for plasma diagnostics in ITER. <i>Plasma Devices and Operations</i> , <b>2004</b> , 12, 1-9		11
34	Femtosecond pulses at 20 GHz repetition rate through spectral masking of a phase modulated signal and nonlinear pulse compression. <i>Optics Express</i> , <b>2013</b> , 21, 5671-6	3.3	10
33	Picosecond bismuth-doped fiber MOPFA for frequency conversion. <i>Optics Letters</i> , <b>2011</b> , 36, 3792-4	3	10
32	Broadband, low intensity noise CW source for OCT at 1800nm. <i>Optics Communications</i> , <b>2008</b> , 281, 154-156		10
31	Second-harmonic generation to the green and yellow using picosecond fiber pump sources and periodically poled waveguides. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 071113	3.4	10
30	Amplification of picosecond pulses and gigahertz signals in bismuth-doped fiber amplifiers. <i>Optics Letters</i> , <b>2011</b> , 36, 1446-8	3	8
29	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. <i>Optics Letters</i> , <b>2012</b> , 37, 3099-101	3	8
28	Nanosecond Pulse Generation in Lumped Normally Dispersive All-Fiber Mode-Locked Laser. <i>IEEE Photonics Technology Letters</i> , <b>2011</b> , 23, 1379-1381	2.2	6
27	High-peak-power femtosecond pulse compression with polarization-maintaining ytterbium-doped fiber amplification. <i>Optics Letters</i> , <b>2007</b> , 32, 1199-201	3	6

26	Narrow Linewidth Bismuth-Doped All-Fiber Ring Laser. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 793-795	5
25	Stable Gain-Guided Soliton Propagation in a Polarized Yb-Doped Mode-Locked Fiber Laser. <i>IEEE Photonics Journal</i> , <b>2012</b> , 4, 1058-1064	1.8 4
24	High power fibre integrated sources <b>2006</b> ,	4
23	Fiber-integrated 780 nm source for visible parametric generation. <i>Optics Express</i> , <b>2014</b> , 22, 29726-32	3.3 3
22	Characterization of nonlinear saturation and mode-locking potential of ionically-doped colored glass filter for short-pulse fiber lasers. <i>Optics Express</i> , <b>2013</b> , 21, 12562-9	3.3 3
21	Non-linear applications of microstructured optical fibres. <i>Optical and Quantum Electronics</i> , <b>2007</b> , 39, 963-974	3
20	Electron-beam-induced absorption in quartz glasses. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , <b>2004</b> , 71, 415	0.9 3
19	High-power completely fiber integrated super-continuum sources (Invited Paper) <b>2005</b> ,	3
18	E-beam-induced absorption in various grades of quartz <b>2004</b> ,	2
17	Compact fully fibre integrated source of 100 fs pulses at 1.1 [micro sign]m based on compression in holey fibre. <i>Electronics Letters</i> , <b>2005</b> , 41, 234	1.1 2
16	Mode-locking by nanotubes of a Raman laser based on a highly doped GeO2 fiber <b>2012</b> ,	2
15	Optimizing penetration depth, contrast, and resolution in 3D dermatologic OCT <b>2010</b> ,	1
14	Mode-locking fibre lasers with the E22 transition of carbon nanotubes <b>2009</b> ,	1
13	Pulse Compression in Dispersion Decreasing Photonic Crystal Fiber <b>2007</b> ,	1
12	Multi-watt supercontinuum generation from 0.3 to 2.4 $\mu$ m in PCF tapers <b>2007</b> ,	1
11	Red picosecond pulses generated by frequency doubling a Raman amplified widely tunable 1.3 microm fiber ring laser. <i>Optics Letters</i> , <b>2005</b> , 30, 2769-71	3 1
10	All-fibre, 2ps Yb laser with 60kW peak power <b>2004</b> , 163	1
9	Operation Limits of Flux-grown PPKTP and Stoichiometric PPLT for High Power SHG around 775nm <b>2005</b> , TuB25	1

8	Femtosecond pulse compression in air-guiding PCF <b>2004</b> ,		1
7	1.5-2 $\mu\text{m}$ , multi-Watt white-light generation in CW format in highly-nonlinear fibres <b>2004</b> ,		1
6	Generation of high frequency trains of chirped soliton-like pulses in inhomogeneous and cascaded active fiber configurations. <i>Optics Communications</i> , <b>2018</b> , 426, 333-340	2	1
5	2 W/nm peak-power all-fiber supercontinuum source and its application to the characterization of periodically poled non-linear crystals. <i>Optics Communications</i> , <b>2007</b> , 277, 134-137	2	0
4	Fibre integrated femtosecond sources based on soliton generation from CW noise. <i>Electronics Letters</i> , <b>2007</b> , 43, 207	1.1	0
3	Blue light generation in holey fibre using frequency doubled fibre pump source. <i>Electronics Letters</i> , <b>2006</b> , 42, 200	1.1	
2	Optophysiology using functional ultrahigh resolution OCT: from in vitro animal to in vivo human measurements <b>2006</b> , 6138, 78		
1	25W average-power, second-harmonic-generation of a linearly-polarized Er fiber source in PPKTP and its application for tandem harmonic generation in UV <b>2004</b> , 155		