

Denis S Lipatov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	SBS Gain Suppression in a Passive Single-Mode Optical Fiber by the Multi-Mode Acoustic Waveguide Design. <i>Journal of Lightwave Technology</i> , 2021, 39, 592-599.	4.6	7
2	Scaling of average power in sub-MW peak power Yb-doped tapered fiber picosecond pulse amplifiers. <i>Optics Express</i> , 2021, 29, 1722.	3.4	25
3	Analysis of elemental distributions and phase separation in rare-earth-doped silica-based fiber preforms and optical fibers. <i>Journal of Non-Crystalline Solids</i> , 2021, 554, 120616.	3.1	4
4	Fabrication and Characterization of Er/Yb Co-Doped Fluorophosphosilicate Glass Core Optical Fibers. <i>Fibers</i> , 2021, 9, 15.	4.0	11
5	Generation of megawatt soliton at 1680 nm in very large mode area antiresonant fiber and application to three-photon microscopy. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 115504.	2.2	8
6	Photosensitive Yb-Doped Germanophosphosilicate Artificial Rayleigh Fibers as a Base of Random Lasers. <i>Fibers</i> , 2021, 9, 53.	4.0	4
7	Generation of Chirped Femtosecond Pulses Near 977 nm Using a Mode-Locked All-Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 811-814.	2.5	10
8	Selective Excitation and Amplification of Peak-Power-Scalable Out-of-Phase Supermode in Yb-Doped Multicore Fiber. <i>Journal of Lightwave Technology</i> , 2020, 38, 2464-2470.	4.6	19
9	High-order mode suppression in double-clad optical fibers by adding absorbing inclusions. <i>Scientific Reports</i> , 2020, 10, 7174.	3.3	15
10	Spatial Beam Self-Cleaning in Tapered Yb-Doped GRIN Multimode Fiber With Decelerating Nonlinearity. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.	2.0	15
11	Efficient single-mode 976-nm amplifier based on a 45-micron outer diameter Yb-doped fiber. <i>Optics Letters</i> , 2020, 45, 4292.	3.3	13
12	All-fiber mode-locked laser at 0.98 μm . , 2020, , .		0
13	Generation of picosecond pulses with 150 W of average and 0.92 MW of peak power from an Yb-doped tapered fiber MOPA. , 2020, , .		4
14	All-fiber mode-locked laser at 977 nm. , 2020, , .		0
15	All-fiber polarization-maintaining mode-locked laser operated at 980-nm. <i>Optics Letters</i> , 2020, 45, 2275. 3.3		17
16	Chirped pulse compression in all-glass Yb-doped hybrid fiber with anomalous dispersion in 1 μm spectral range. , 2020, , .		0
17	71 W Average Power Sub-MW Peak Power Diffraction-Limited Monolithic Tapered Fiber Amplifier. , 2019, , .		1
18	All-Fiber Single-Mode PM Yb-Doped Pre-Amplifier at 0.976 μm . , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	High-Peak-Power Femtosecond Pulse Generation by Nonlinear Compression in a Yb-Doped Hybrid Fiber. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	8
20	L-Band Amplifiers Based on Cladding-Pumped Er-Doped (Yb-Free) Fibers with Al ₂ O ₃ -SiO ₂ Core Highly Doped by Fluorine. , 2019, , .		0
21	Single-Mode Er-Yb Fiber with 20 μ m F-P ₂ O ₅ -SiO ₂ Core. , 2019, , .		0
22	All-fibre single-mode small-signal amplifier operating near 0.976 μ m. Quantum Electronics, 2019, 49, 919-924.	1.0	14
23	Single-mode large-mode-area Er-Yb fiber. , 2019, , .		2
24	High Peak and Average Power Yb-doped Tapered Fiber Amplifier. , 2019, , .		2
25	Hybrid Fibers for Dispersion Management at 1 μ m. , 2019, , .		0
26	Single-mode high-anomalous-dispersion Yb-doped hybrid fiber amplifier. , 2019, , .		0
27	High-peak-power highly-efficient combined Er/Er-Yb fiber amplifier. , 2019, , .		0
28	Photodarkening-Free Yb-Doped Saddle-Shaped Fiber for High Power Single-Mode 976-nm Laser. IEEE Photonics Technology Letters, 2018, 30, 127-130.	2.5	41
29	Monolithic diffraction-limited 976-nm laser based on saddle-shaped photo darkening-free Yb-doped fiber. , 2018, , .		0
30	Cladding-pumped 70-kW-peak-power 2-ns-pulse Er-doped fiber amplifier. , 2018, , .		4
31	MW peak power diffraction limited monolithic Yb-doped tapered fiber amplifier. , 2017, , .		5
32	High-Brightness Multimode Fiber Lasers for Resonant Pumping. Journal of Lightwave Technology, 2017, 35, 4540-4546.	4.6	16
33	Sub-MW peak power diffraction-limited chirped-pulse monolithic Yb-doped tapered fiber amplifier. Optics Express, 2017, 25, 26958.	3.4	69
34	High Brightness Multi-Mode Fiber Lasers - A Novel Sources for in-Band Cladding Pumping of Singlemode Fiber Lasers. , 2017, , .		0
35	High Average and Peak Power Double-Clad Er-doped Fiber Lasers and Their Applications. , 2016, , .		0
36	Experimental Investigation of Silicate-Glass-Based Raman Gain Fibers With Enhanced SBS Suppression by Selective Transverse Doping. Journal of Lightwave Technology, 2016, 34, 928-942.	4.6	10

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37	5.5 W monolithic single-mode fiber laser and amplifier operating near 976 nm. Proceedings of SPIE, 2016, , .	0.8	16
38	Monolithic high peak-power coherent Doppler lidar system. Proceedings of SPIE, 2016, , .	0.8	4
39	Monolithic sub-MW peak power tapered ytterbium-doped fiber amplifier. , 2015, , .		6
40	Millijoule pulse energy 100-nanosecond Er-doped fiber laser. Optics Letters, 2015, 40, 1189.	3.3	54
41	1.55- μ m wavelength ultrafast fiber oscillators and amplifiers. International Journal of Modern Physics B, 2014, 28, 1442004.	2.0	0
42	High Power Er-doped Yb-free Double-Clad Fiber Amplifiers. , 2014, , .		0
43	Double-clad large mode area Er-doped fiber for high-energy and high-peak power amplifiers. Proceedings of SPIE, 2014, , .	0.8	4
44	Dissipative Soliton Generation and Amplification in Erbium-Doped Fibers Operating at 1.55 μ m. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 283-289.	2.9	8
45	Submicrojoule femtosecond erbium-doped fibre laser for the generation of dispersive waves at submicron wavelengths. Quantum Electronics, 2014, 44, 458-464.	1.0	25
46	Radiation Resistance of Er-Doped Silica Fibers: Effect of Host Glass Composition. Journal of Lightwave Technology, 2013, 31, 749-755.	4.6	28
47	All-fibre high-energy chirped-pulse laser in the 1 μ m range. Quantum Electronics, 2013, 43, 252-255.	1.0	2
48	High power all-fibered femtosecond master oscillator power amplifier at 156 μ m. Optics Letters, 2012, 37, 3186.	3.3	12
49	Highly Efficient Double-Clad Yb-free Er-Doped All-Fiber Laser and Amplifier Pumped at 976 nm. , 2012, , .		0
50	High-performance cladding-pumped erbium-doped fibre laser and amplifier. Quantum Electronics, 2012, 42, 432-436.	1.0	17
51	High-power double-clad Er-doped fiber laser. Proceedings of SPIE, 2011, , .	0.8	1
52	Effect of the AlPO ₄ join on the pump-to-signal conversion efficiency in heavily Er-doped fibers. Optics Letters, 2009, 34, 3355.	3.3	64