

Sergey I Kablukov

List of Publications by Year in descending order

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138
papers

3,309
citations

186265

28
h-index

149698

56
g-index

138
all docs

138
docs citations

138
times ranked

1128
citing authors

#	ARTICLE	IF	CITATIONS
1	Random distributed feedback fibre laser. Nature Photonics, 2010, 4, 231-235.	31.4	797
2	Four-wave-mixing-induced turbulent spectral broadening in a long Raman fiber laser. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1729.	2.1	197
3	Raman fiber lasers with a random distributed feedback based on Rayleigh scattering. Physical Review A, 2010, 82, .	2.5	135
4	High-order random Raman lasing in a PM fiber with ultimate efficiency and narrow bandwidth. Scientific Reports, 2016, 6, 22625.	3.3	114
5	Single frequency single polarization DFB fiber laser. Laser Physics Letters, 2007, 4, 428-432.	1.4	102
6	Output spectrum of Yb-doped fiber lasers. Optics Letters, 2012, 37, 2508.	3.3	97
7	270-km Ultralong Raman Fiber Laser. Physical Review Letters, 2009, 103, 133901.	7.8	82
8	Random fiber laser directly pumped by a high-power laser diode. Optics Letters, 2013, 38, 3301.	3.3	78
9	Linearly polarized random fiber laser with ultimate efficiency. Optics Letters, 2015, 40, 4074.	3.3	77
10	Spectral broadening in Raman fiber lasers. Optics Letters, 2006, 31, 3007.	3.3	74
11	Self-scanned single-frequency operation of a fiber laser driven by a self-induced phase grating. Laser Physics Letters, 2014, 11, 045103.	1.4	68
12	An LD-pumped Raman fiber laser operating below 1 μ m. Laser Physics Letters, 2013, 10, 085103.	1.4	61
13	Broad-range self-sweeping of a narrow-line self-pulsing Yb-doped fiber laser. Optics Express, 2011, 19, 17632.	3.4	60
14	Nearly single-mode Raman lasing at 954 nm in a graded-index fiber directly pumped by a multimode laser diode. Optics Letters, 2017, 42, 9.	3.3	52
15	Frequency doubling of Raman fiber lasers with random distributed feedback. Optics Letters, 2016, 41, 1439.	3.3	51
16	Generating high-quality beam in a multimode LD-pumped all-fiber Raman laser. Optics Express, 2017, 25, 12581.	3.4	49
17	Turbulence-induced square-root broadening of the Raman fiber laser output spectrum. Optics Letters, 2008, 33, 633.	3.3	46
18	Generation dynamics of the narrowband Yb-doped fiber laser. Optics Express, 2013, 21, 8177.	3.4	46

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19	Single-frequency Bismuth-doped fiber laser with quasi-continuous self-sweeping. Optics Express, 2015, 23, 24833.	3.4	44
20	Single cut technique for adjustment of doubly resonant Brillouin laser cavities. Optics Letters, 2013, 38, 2528.	3.3	38
21	All-fiber widely tunable Raman fiber laser with controlled output spectrum. Optics Express, 2007, 15, 8438.	3.4	35
22	Frequency tuning and doubling in Yb-doped fiber lasers. Laser Physics, 2007, 17, 124-129.	1.2	35
23	Real-time high-resolution heterodyne-based measurements of spectral dynamics in fibre lasers. Scientific Reports, 2016, 6, 23152.	3.3	35
24	Application of a Self-Sweeping Yb-Doped Fiber Laser for High-Resolution Characterization of Phase-Shifted FBGs. Journal of Lightwave Technology, 2013, 31, 2982-2987.	4.6	33
25	All-fiber Ho-doped laser tunable in the range of 2.045 μm – 2.1 μm . Laser Physics Letters, 2012, 9, 893-895.	1.4	32
26	Tunable fiber Bragg gratings for application in tunable fiber lasers. Laser Physics, 2007, 17, 1323-1326.	1.2	31
27	Multimode Fiber Raman Lasers Directly Pumped by Laser Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-10.	2.9	30
28	Phase matching for parametric generation in polarization maintaining photonic crystal fiber pumped by tunable Yb-doped fiber laser. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1959.	2.1	28
29	Broad-range self-sweeping single-frequency linearly polarized Tm-doped fiber laser. Optics Letters, 2018, 43, 5307.	3.3	28
30	Narrowband random lasing in a Bismuth-doped active fiber. Scientific Reports, 2016, 6, 30083.	3.3	27
31	954-nm Raman fiber laser with multimode laser diode pumping. Laser Physics Letters, 2016, 13, 035102.	1.4	27
32	2nd-order random lasing in a multimode diode-pumped graded-index fiber. Scientific Reports, 2018, 8, 17495.	3.3	27
33	Relative intensity noise in cascaded-Raman fiber lasers. IEEE Photonics Technology Letters, 2005, 17, 2553-2555.	2.5	26
34	Open-cavity fiber laser with distributed feedback based on externally or self-induced dynamic gratings. Optics Letters, 2017, 42, 4207.	3.3	26
35	Optimization and control of the sweeping range in an Yb-doped self-sweeping fiber laser. Laser Physics Letters, 2016, 13, 045104.	1.4	25
36	Tunable CW all-fiber optical parametric oscillator operating below 1 μm . Optics Express, 2013, 21, 6777.	3.4	24

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37	Frequency doubling and tripling in a Q-switched fiber laser. Laser Physics, 2011, 21, 277-282.	1.2	22
38	Single-frequency self-sweeping Nd-doped fiber laser. Optics Letters, 2019, 44, 2252.	3.3	22
39	Random Distributed Feedback Fiber Laser. Optics and Photonics News, 2010, 21, 33.	0.5	21
40	Fourier synthesis with single-mode pulses from a multimode laser. Optics Letters, 2015, 40, 3671.	3.3	21
41	Linearly polarized cascaded Raman fiber laser with random distributed feedback operating beyond 15 μm . Optics Letters, 2017, 42, 3526.	3.3	21
42	Frequency doubling of Yb-doped fiber laser to 515 nm. Laser Physics, 2010, 20, 360-364.	1.2	20
43	All-fiber Brillouin optical spectrum analyzer based on self-sweeping fiber laser. Optics Express, 2017, 25, 17600.	3.4	19
44	Raman fiber laser with random distributed feedback based on a twin-core fiber. Optics Letters, 2018, 43, 567.	3.3	18
45	Femtosecond-pulse inscribed FBGs for mode selection in multimode fiber lasers. Optical Fiber Technology, 2019, 52, 101988.	2.7	18
46	High-efficiency CW all-fiber parametric oscillator tunable in 0.92-1.1 μm range. Optics Express, 2015, 23, 833.	3.4	17
47	Brightness enhancement and beam profiles in an LD-pumped graded-index fiber Raman laser. OSA Continuum, 2021, 4, 1034.	1.8	16
48	Level-splitting effects in resonant four-wave mixing. Optics Letters, 2001, 26, 81.	3.3	15
49	Intracavity frequency doubling in a wide-aperture argon laser. Quantum Electronics, 2005, 35, 857-861.	1.0	15
50	Mechanism of mode coupling in multicore fiber lasers. Optics Letters, 2008, 33, 61.	3.3	15
51	Multi-peak structure of generation spectrum of random distributed feedback fiber Raman lasers. Optics Express, 2017, 25, 2703.	3.4	15
52	Spatio-spectral beam control in multimode diode-pumped Raman fibre lasers via intracavity filtering and Kerr cleaning. Scientific Reports, 2021, 11, 21994.	3.3	15
53	Dual-longitudinal-mode CW self-sweeping operation in Er-doped fiber laser. Optics Letters, 2020, 45, 6659.	3.3	13
54	An interrogator for a fiber Bragg sensor array based on a tunable erbium fiber laser. Laser Physics, 2007, 17, 1340-1344.	1.2	12

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55	Accuracy of single-cut adjustment technique for double resonant Brillouin fiber lasers. <i>Optical Fiber Technology</i> , 2014, 20, 194-198.	2.7	12
56	All-fibre ytterbium laser tunable within 45 nm. <i>Quantum Electronics</i> , 2007, 37, 1146-1148.	1.0	10
57	Frequency doubling of a broadband Raman fiber laser to 655 nm. <i>Optics Express</i> , 2009, 17, 5980.	3.4	10
58	Continuous-wave parametric oscillation in polarisation-maintaining optical fibre. <i>Quantum Electronics</i> , 2011, 41, 794-800.	1.0	10
59	Spectral characterization technique of self-organized distributed feedback in a self-sweeping fiber laser. <i>Optics Express</i> , 2019, 27, 21335.	3.4	10
60	Frequency doubling of multimode diode-pumped GRIN-fiber Raman lasers. <i>Optics Express</i> , 2019, 27, 34760.	3.4	10
61	Raman gain saturation at high pump and Stokes powers. <i>Optics Express</i> , 2005, 13, 6079.	3.4	9
62	Intracavity frequency doubling of Yb-doped fiber laser with 540-550 nm tuning. <i>Laser Physics</i> , 2011, 21, 935-939.	1.2	9
63	Giant Coulomb broadening and Raman lasing in ionic transitions. <i>Physical Review A</i> , 1997, 55, 661-667.	2.5	8
64	Fiber lasers with a tunable green output. <i>Laser Physics</i> , 2008, 18, 1225-1229.	1.2	8
65	Frequency doubling of a Raman fiber laser. <i>Laser Physics</i> , 2010, 20, 365-371.	1.2	8
66	Mode selection in a directly diode-pumped Raman fibre laser using FBGs in a graded-index multimode fibre. <i>Quantum Electronics</i> , 2016, 46, 1106-1109.	1.0	8
67	Generation of linearly polarised light near 1.4 μ m in a cascaded, random distributed feedback Raman laser. <i>Quantum Electronics</i> , 2016, 46, 1102-1105.	1.0	8
68	Distributed-feedback fiber laser with optical amplifier. <i>Laser Physics</i> , 2007, 17, 1292-1295.	1.2	7
69	Four wave mixing of conventional and Raman dissipative solitons from single fiber laser. <i>Optics Express</i> , 2015, 23, 16589.	3.4	7
70	Multimode LD-pumped all-fiber Raman laser with excellent quality of 2 nd -order Stokes output beam at 1019 nm. <i>Optics Express</i> , 2021, 29, 17573.	3.4	7
71	Single frequency linearly polarized DFB fiber laser source. , 2007, , .		6
72	Reflection interferometer based on the Troitsky thin film for frequency selection in fiber lasers. <i>Laser Physics</i> , 2008, 18, 1241-1245.	1.2	6

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73	Low frequency noise distributed-feedback ytterbium fibre laser. Quantum Electronics, 2009, 39, 906-910.	1.0	6
74	Field distribution and mode interaction in twin-core fiber. Laser Physics, 2010, 20, 311-317.	1.2	6
75	All-PM CW fiber optical parametric oscillator. Optics Express, 2016, 24, 25409.	3.4	6
76	Extracavity and external cavity second-harmonic generation in a periodically poled silica fibre. Quantum Electronics, 2016, 46, 989-994.	1.0	6
77	Michelson mode selector for spectral range stabilization in a self-sweeping fiber laser. Optics Letters, 2018, 43, 1558.	3.3	6
78	Cw hyper-Raman laser and four-wave mixing in atomic sodium. Optics Communications, 2005, 245, 415-424.	2.1	5
79	Homogeneous Raman gain saturation at high pump and Stokes powers. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1524.	2.1	5
80	Simple method for apodization of fibre Bragg gratings written by a Gaussian beam. Quantum Electronics, 2006, 36, 966-970.	1.0	5
81	Frequency doubling of a tunable ytterbium-doped fibre laser in KTP crystals phase-matched in the XY and YZ planes. Quantum Electronics, 2012, 42, 120-124.	1.0	5
82	Ytterbium-doped fibre laser tunable in the range 1017 – 1040 nm with second-harmonic generation. Quantum Electronics, 2013, 43, 467-471.	1.0	5
83	The Reflectivity Measurement of a Dynamically Formed Fiber Bragg Grating Inside an Yb-doped Fiber. , 2016, , .		5
84	Broadening of the intracavity and output spectra of a raman fiber laser with a low-Q cavity. Laser Physics, 2007, 17, 1279-1285.	1.2	4
85	All-fiber broad-range self-sweeping Yb-doped fiber laser. , 2012, , .		4
86	Cascaded Generation in Multimode Diode-Pumped Graded-Index Fiber Raman Lasers. Photonics, 2021, 8, 447.	2.0	4
87	Fiber optical parametric oscillators. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 363-382.	0.6	3
88	Second-harmonic generation efficiency for multifrequency ytterbium-doped fibre laser radiation. Quantum Electronics, 2013, 43, 99-102.	1.0	3
89	Over 400 W graded-index fiber Raman laser with brightness enhancement. Optics Express, 2021, 29, 19441.	3.4	3
90	Resonant peak in the output spectral profile of an ionic anti-Stokes Raman laser. Physical Review A, 2001, 63, .	2.5	2

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91	<title>Stimulated Brillouin scattering of frequency stabilized radiation in a fiber</title>. , 2006, 6259, 243.		2
92	Study of Brillouin scattering in a phosphosilicate optical fibre and its influence on a Raman laser operation. Quantum Electronics, 2007, 37, 495-499.	1.0	2
93	Modeling and measurement of ytterbium fiber laser generation spectrum. , 2012, , .		2
94	Double-frequency Brillouin fiber lasers. , 2013, , .		2
95	Second harmonic generation of a random fiber laser with Raman gain. , 2015, , .		2
96	Comparison of multimode GRIN-fiber Raman lasers with FBG and random DFB cavity. Journal of Physics: Conference Series, 2022, 2249, 012015.	0.4	2
97	Nonlinear interference effect in the Zeeman ion laser. JETP Letters, 1996, 64, 263-269.	1.4	1
98	Probe-field spectra of N-scheme in strong inhomogeneous fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 3641-3653.	1.5	1
99	<title>Simple technique of fiber Bragg gratings apodization by use of Gaussian beam</title>. , 2007, , .		1
100	Powerful green Yb-doped fiber laser. Proceedings of SPIE, 2007, , .	0.8	1
101	Tunable Bragg gratings for fiber lasers. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overlock 1 0.6		1
102	980-nm random fiber laser directly pumped by a high-power 938-nm laser diode. Proceedings of SPIE, 2014, , .	0.8	1
103	Specifics of short-wavelength generation in a continuous wave fiber optical parametric oscillator. Laser Physics Letters, 2016, 13, 115106.	1.4	1
104	Random Distributed Feedback Raman Fiber Lasers. Springer Series in Optical Sciences, 2017, , 273-354.	0.7	1
105	Mode selection in a Raman fiber laser directly pumped by a multimode laser diode using fiber Bragg gratings. , 2017, , .		1
106	<title>Laser action on a weak intercombination transition $4p^4 \text{S}^3/2 \text{P}^3/2$ in argon laser plasma</title>. , 1996, , .		0
107	Lasing on a weak intercombination transition () in ArII. Journal of Quantitative Spectroscopy and Radiative Transfer, 1996, 55, 259-266.	2.3	0
108	<title>Detuning characteristics of ionic anti-Stokes Raman laser</title>. , 2001, 4351, 48.		0

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109	<title>Splitting effects and power saturation in cw resonant four-wave mixing with two strong fields</title>. , 2001, 4353, 130.		0
110	Spectrum of an anti-Stokes Raman ion laser in $\hat{\rho}$ -schemes with various level parameters. Quantum Electronics, 2002, 32, 455-459.	1.0	0
111	<title>Fiber Bragg gratings written by frequency-doubled argon laser for sensor applications</title>. , 2002, , .		0
112	<title>Frequency doubling in the enhancement cavity with single focusing mirror</title>. , 2004, , .		0
113	<title>Frequency doubling in a large-bore argon laser</title>. , 2005, , .		0
114	Optical-fiber components and laser systems for sensor and telecommunication applications. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2006, 73, 308.	0.4	0
115	Turbulence-induced Raman fiber laser output spectrum formation and broadening. , 2007, 6725, 141.		0
116	<title>Homogeneous Raman gain saturation at high pump and Stokes powers in a phosphosilicate fiber</title>. , 2007, , .		0
117	<title>Yb-doped fiber laser with tunable FBG</title>. , 2007, , .		0
118	<title>Role of nonlinear effects in Raman fiber laser spectral broadening</title>. , 2007, , .		0
119	New mechanism of the mode coupling in multi-core fiber lasers. Proceedings of SPIE, 2008, , .	0.8	0
120	Polarisation effects in twin-core fibre: Application for mode locking in a fibre laser. Quantum Electronics, 2012, 42, 785-789.	1.0	0
121	CW parametric generation in polarization maintaining PCF pumped by Yb-doped fiber laser. Proceedings of SPIE, 2012, , .	0.8	0
122	Tuning and doubling of the generation frequency of fiber lasers. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 345-362.	0.6	0
123	Temporal and statistical properties of the ytterbium doped fiber laser. , 2013, , .		0
124	Recent progress in passively stabilized single-frequency Brillouin fiber lasers with doubly-resonant cavities. , 2013, , .		0
125	Adjustment of double resonance in short cavity Brillouin fiber lasers. Proceedings of SPIE, 2014, , .	0.8	0
126	Pulse Coherence in Self-sweeping Fiber Laser. , 2015, , .		0

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127	Generation in visible range using second harmonic of random distributed feedback fiber laser. , 2016, , .		0
128	Efficient cascaded generation of narrowband linearly-polarized radiation in random Raman fiber laser. Proceedings of SPIE, 2016, , .	0.8	0
129	Femtosecond-pulse inscription of fiber Bragg gratings in multimode graded index fiber. , 2017, , .		0
130	Fiber lasers with regular and random distributed feedback. , 2021, , .		0
131	Saturation spectroscopy of ion metastables in plasmas. , 1998, , .		0
132	Diode-pumped all-fiber Raman lasers with high beam quality. , 2018, , .		0
133	Transverse mode selection in diode-pumped multimode fiber Raman lasers. , 2018, , .		0
134	Frequency doubling of multimode diode-pumped graded-index fiber Raman lasers. , 2019, , .		0
135	Cascaded Raman lasing in a multimode diode-pumped graded-index fiber. , 2019, , .		0
136	Pump depletion and Stokes beam clean up at Raman conversion in graded-index fibers. , 2020, , .		0
137	Mechanism of brightness enhancement in multimode LD-pumped graded-index fiber Raman lasers. , 2021, , .		0
138	Cascaded Raman lasing in a multimode diode-pumped graded-index fiber. , 2022, , .		0