Sergey I Kablukov

List of Publications by Year
in descending order

138	3,309	186265	149698
papers	citations	28 h-index	56 g-index

138	138	138	1128
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cascaded Raman lasing in a multimode diode-pumped graded-index fiber. , 2022, , .		0
2	Comparison of multimode GRIN-fiber Raman lasers with FBG and random DFB cavity. Journal of Physics: Conference Series, 2022, 2249, 012015.	0.4	2
3	Brightness enhancement and beam profiles in an LD-pumped graded-index fiber Raman laser. OSA Continuum, 2021, 4, 1034.	1.8	16
4	Multimode LD-pumped all-fiber Raman laser with excellent quality of 2nd-order Stokes output beam at 1019â€...nm. Optics Express, 2021, 29, 17573.	3.4	7
5	Over 400 W graded-index fiber Raman laser with brightness enhancement. Optics Express, 2021, 29, 19441.	3.4	3
6	Fiber lasers with regular and random distributed feedback. , 2021, , .		0
7	Cascaded Generation in Multimode Diode-Pumped Graded-Index Fiber Raman Lasers. Photonics, 2021, 8, 447.	2.0	4
8	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
9	Mechanism of brightness enhancement in multimode LD-pumped graded-index fiber Raman lasers. , 2021, , .		0
10	Dual-longitudinal-mode CW self-sweeping operation in Er-doped fiber laser. Optics Letters, 2020, 45, 6659.	3.3	13
11	Pump depletion and Stokes beam clean up at Raman conversion in graded-index fibers. , 2020, , .		0
12	Femtosecond-pulse inscribed FBGs for mode selection in multimode fiber lasers. Optical Fiber Technology, 2019, 52, 101988.	2.7	18
13	Spectral characterization technique of self-organized distributed feedback in a self-sweeping fiber laser. Optics Express, 2019, 27, 21335.	3.4	10
14	Frequency doubling of multimode diode-pumped GRIN-fiber Raman lasers. Optics Express, 2019, 27, 34760.	3.4	10
15	Single-frequency self-sweeping Nd-doped fiber laser. Optics Letters, 2019, 44, 2252.	3.3	22
16	Frequency doubling of multimode diode-pumped graded-index fiber Raman lasers. , 2019, , .		0
17	Cascaded Raman lasing in a multimode diode-pumped graded-index fiber. , 2019, , .		0
18	Multimode Fiber Raman Lasers Directly Pumped by Laser Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-10.	2.9	30

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19	2nd-order random lasing in a multimode diode-pumped graded-index fiber. Scientific Reports, 2018, 8, 17495.	3.3	27
20	Raman fiber laser with random distributed feedback based on a twin-core fiber. Optics Letters, 2018, 43, 567.	3.3	18
21	Michelson mode selector for spectral range stabilization in a self-sweeping fiber laser. Optics Letters, 2018, 43, 1558.	3.3	6
22	Broad-range self-sweeping single-frequency linearly polarized Tm-doped fiber laser. Optics Letters, 2018, 43, 5307.	3.3	28
23	Diode-pumped all-fiber Raman lasers with high beam quality. , 2018, , .		0
24	Transverse mode selection in diode-pumped multimode fiber Raman lasers. , 2018, , .		0
25	Femtosecond-pulse inscription of fiber Bragg gratings in multimode graded index fiber. , 2017, , .		0
26	Random Distributed Feedback Raman Fiber Lasers. Springer Series in Optical Sciences, 2017, , 273-354.	0.7	1
27	Mode selection in a Raman fiber laser directly pumped by a multimode laser diode using fiber Bragg gratings. , 2017, , .		1
28	Nearly single-mode Raman lasing at 954â€‰â€‰nm in a graded-index fiber directly pumped by a multimode laser diode. Optics Letters, 2017, 42, 9.	3.3	52
29	Multi-peak structure of generation spectrum of random distributed feedback fiber Raman lasers. Optics Express, 2017, 25, 2703.	3.4	15
30	Generating high-quality beam in a multimode LD-pumped all-fiber Raman laser. Optics Express, 2017, 25, 12581.	3.4	49
31	All-fiber Brillouin optical spectrum analyzer based on self-sweeping fiber laser. Optics Express, 2017, 25, 17600.	3.4	19
32	Linearly polarized cascaded Raman fiber laser with random distributed feedback operating beyond 15â€‰â€‰Î¼m. Optics Letters, 2017, 42, 3526.	3.3	21
33	Open-cavity fiber laser with distributed feedback based on externally or self-induced dynamic gratings. Optics Letters, 2017, 42, 4207.	3.3	26
34	The Reflectivity Measurement of a Dynamically Formed Fiber Bragg Grating Inside an Yb-doped Fiber. , 2016, , .		5
35	All-PM CW fiber optical parametric oscillator. Optics Express, 2016, 24, 25409.	3.4	6
36	Mode selection in a directly diode-pumped Raman fibre laser using FBGs in a graded-index multimode fibre. Quantum Electronics, 2016, 46, 1106-1109.	1.0	8

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37	Real-time high-resolution heterodyne-based measurements of spectral dynamics in fibre lasers. Scientific Reports, 2016, 6, 23152.	3.3	35
38	High-order random Raman lasing in a PM fiber with ultimate efficiency and narrow bandwidth. Scientific Reports, 2016, 6, 22625.	3.3	114
39	Generation in visible range using second harmonic of random distributed feedback fiber laser. , 2016, , .		0
40	Extracavity and external cavity second-harmonic generation in a periodically poled silica fibre. Quantum Electronics, 2016, 46, 989-994.	1.0	6
41	Optimization and control of the sweeping range in an Yb-doped self-sweeping fiber laser. Laser Physics Letters, 2016, 13, 045104.	1.4	25
42	Frequency doubling of Raman fiber lasers with random distributed feedback. Optics Letters, 2016, 41, 1439.	3.3	51
43	Narrowband random lasing in a Bismuth-doped active fiber. Scientific Reports, 2016, 6, 30083.	3.3	27
44	Specifics of short-wavelength generation in a continuous wave fiber optical parametric oscillator. Laser Physics Letters, 2016, 13, 115106.	1.4	1
45	Generation of linearly polarised light near 1.4 Î¼m in a cascaded, random distributed feedback Raman laser. Quantum Electronics, 2016, 46, 1102-1105.	1.0	8
46	954â€‰nm Raman fiber laser with multimode laser diode pumping. Laser Physics Letters, 2016, 13, 035102.	1.4	27
47	Efficient cascaded generation of narrowband linearly-polarized radiation in random Raman fiber laser. Proceedings of SPIE, 2016, , .	0.8	0
48	Second harmonic generation of a random fiber laser with Raman gain. , 2015, , .		2
49	High-efficiency CW all-fiber parametric oscillator tunable in 092-1 Î¼m range. Optics Express, 2015, 23, 833.	3.4	17
50	Fourier synthesis with single-mode pulses from a multimode laser. Optics Letters, 2015, 40, 3671.	3.3	21
51	Four wave mixing of conventional and Raman dissipative solitons from single fiber laser. Optics Express, 2015, 23, 16589.	3.4	7
52	Single-frequency Bismuth-doped fiber laser with quasi-continuous self-sweeping. Optics Express, 2015, 23, 24833.	3.4	44
53	Pulse Coherence in Self-sweeping Fiber Laser. , 2015, , .		0
54	Linearly polarized random fiber laser with ultimate efficiency. Optics Letters, 2015, 40, 4074.	3.3	77

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55	Adjustment of double resonance in short cavity Brillouin fiber lasers. Proceedings of SPIE, 2014, , .	0.8	0
56	980-nm random fiber laser directly pumped by a high-power 938-nm laser diode. Proceedings of SPIE, 2014, , .	0.8	1
57	Accuracy of single-cut adjustment technique for double resonant Brillouin fiber lasers. Optical Fiber Technology, 2014, 20, 194-198.	2.7	12
58	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
59	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
60	Tuning and doubling of the generation frequency of fiber lasers. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 345-362.	0.6	0
61	Fiber optical parametric oscillators. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 363-382.	0.6	3
62	Temporal and statistical properties of the ytterbium doped fiber laser. , 2013, , .		0
63	Generation dynamics of the narrowband Yb-doped fiber laser. Optics Express, 2013, 21, 8177.	3.4	46
64	Single cut technique for adjustment of doubly resonant Brillouin laser cavities. Optics Letters, 2013, 38, 2528.	3.3	38
65	Tunable CW all-fiber optical parametric oscillator operating below 1 Î¼m. Optics Express, 2013, 21, 6777.	3.4	24
66	Random fiber laser directly pumped by a high-power laser diode. Optics Letters, 2013, 38, 3301.	3.3	78
67	Ytterbium-doped fibre laser tunable in the range 1017 â€” 1040 nm with second-harmonic generation. Quantum Electronics, 2013, 43, 467-471.	1.0	5
68	Second-harmonic generation efficiency for multifrequency ytterbium-doped fibre laser radiation. Quantum Electronics, 2013, 43, 99-102.	1.0	3
69	Recent progress in passively stabilized single-frequency Brillouin fiber lasers with doubly-resonant cavities. , 2013, , .		0
70	An LD-pumped Raman fiber laser operating below 1 Î¼m. Laser Physics Letters, 2013, 10, 085103.	1.4	61
71	Double-frequency Brillouin fiber lasers. , 2013, , .		2
72	Polarisation effects in twin-core fibre: Application for mode locking in a fibre laser. Quantum Electronics, 2012, 42, 785-789.	1.0	0

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73	CW parametric generation in polarization maintaining PCF pumped by Yb-doped fiber laser. Proceedings of SPIE, 2012, , .	0.8	0
74	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
75	All-fiber Ho-doped laser tunable in the range of 2.045 â€“ 2.1 Î¼m. Laser Physics Letters, 2012, 9, 893-895.	1.4	32
76	All-fiber broad-range self-sweeping Yb-doped fiber laser. , 2012, , .		4
77	Output spectrum of Yb-doped fiber lasers. Optics Letters, 2012, 37, 2508.	3.3	97
78	Modeling and measurement of ytterbium fiber laser generation spectrum. , 2012, , .		2
79	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
80	Broad-range self-sweeping of a narrow-line self-pulsing Yb-doped fiber laser. Optics Express, 2011, 19, 17632.	3.4	60
81	Frequency doubling and tripling in a Q-switched fiber laser. Laser Physics, 2011, 21, 277-282.	1.2	22
82	Intracavity frequency doubling of Yb-doped fiber laser with 540â€“550 nm tuning. Laser Physics, 2011, 21, 935-939.	1.2	9
83	Continuous-wave parametric oscillation in polarisation-maintaining optical fibre. Quantum Electronics, 2011, 41, 794-800.	1.0	10
84	Frequency doubling of a Raman fiber laser. Laser Physics, 2010, 20, 365-371.	1.2	8
85	Frequency doubling of Yb-doped fiber laser to 515 nm. Laser Physics, 2010, 20, 360-364.	1.2	20
86	Field distribution and mode interaction in twin-core fiber. Laser Physics, 2010, 20, 311-317.	1.2	6
87	Raman fiber lasers with a random distributed feedback based on Rayleigh scattering. Physical Review A, 2010, 82, .	2.5	135
88	Random distributed feedback fibre laser. Nature Photonics, 2010, 4, 231-235.	31.4	797
89	Random Distributed Feedback Fiber Laser. Optics and Photonics News, 2010, 21, 33.	0.5	21
90	270-km Ultralong Raman Fiber Laser. Physical Review Letters, 2009, 103, 133901.	7.8	82

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91	Low frequency noise distributed-feedback ytterbium fibre laser. Quantum Electronics, 2009, 39, 906-910.	1.0	6
92	Frequency doubling of a broadband Raman fiber laser to 655 nm. Optics Express, 2009, 17, 5980.	3.4	10
93	Fiber lasers with a tunable green output. Laser Physics, 2008, 18, 1225-1229.	1.2	8
94	Reflection interferometer based on the Troitsky thin film for frequency selection in fiber lasers. Laser Physics, 2008, 18, 1241-1245.	1.2	6
95	Mechanism of mode coupling in multicore fiber lasers. Optics Letters, 2008, 33, 61.	3.3	15
96	Turbulence-induced square-root broadening of the Raman fiber laser output spectrum. Optics Letters, 2008, 33, 633.	3.3	46
97	New mechanism of the mode coupling in multi-core fiber lasers. Proceedings of SPIE, 2008, , .	0.8	0
98	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
99	Turbulence-induced Raman fiber laser output spectrum formation and broadening. , 2007, 6725, 141.		0
100	<title>Simple technique of fiber Bragg gratings apodization by use of Gaussian beam</title>. , 2007, , .		1
101	Single frequency linearly polarized DFB fiber laser source. , 2007, , .		6
102	<title>Homogeneous Raman gain saturation at high pump and Stokes powers in a phosphosilicate fiber</title>. , 2007, , .		0
103	<title>Yb-doped fiber laser with tunable FBG</title>. , 2007, , .		0
104	<title>Role of nonlinear effects in Raman fiber laser spectral broadening</title>. , 2007, , .		0
105	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
106	All-fiber widely tunable Raman fiber laser with controlled output spectrum. Optics Express, 2007, 15, 8438.	3.4	35
107	All-fibre ytterbium laser tunable within 45 nm. Quantum Electronics, 2007, 37, 1146-1148.	1.0	10
108	Powerful green Yb-doped fiber laser. Proceedings of SPIE, 2007, , .	0.8	1

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109	Single frequency single polarization DFB fiber laser. Laser Physics Letters, 2007, 4, 428-432.	1.4	102
110	Tunable Bragg gratings for fiber lasers. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	0.6	1
111	Frequency tuning and doubling in Yb-doped fiber lasers. Laser Physics, 2007, 17, 124-129.	1.2	35
112	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
113	Distributed-feedback fiber laser with optical amplifier. Laser Physics, 2007, 17, 1292-1295.	1.2	7
114	Tunable fiber Bragg gratings for application in tunable fiber lasers. Laser Physics, 2007, 17, 1323-1326.	1.2	31
115	An interrogator for a fiber Bragg sensor array based on a tunable erbium fiber laser. Laser Physics, 2007, 17, 1340-1344.	1.2	12
116	Spectral broadening in Raman fiber lasers. Optics Letters, 2006, 31, 3007.	3.3	74
117	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
118	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
119	<title>Stimulated Brillouin scattering of frequency stabilized radiation in a fiber</title>. , 2006, 6259, 243.		2
120	Simple method for apodization of fibre Bragg gratings written by a Gaussian beam. Quantum Electronics, 2006, 36, 966-970.	1.0	5
121	<title>Frequency doubling in a large-bore argon laser</title>. , 2005, , .		0
122	Cw hyper-Raman laser and four-wave mixing in atomic sodium. Optics Communications, 2005, 245, 415-424.	2.1	5
123	Raman gain saturation at high pump and Stokes powers. Optics Express, 2005, 13, 6079.	3.4	9
124	Relative intensity noise in cascaded-Raman fiber lasers. IEEE Photonics Technology Letters, 2005, 17, 2553-2555.	2.5	26
125	Intracavity frequency doubling in a wide-aperture argon laser. Quantum Electronics, 2005, 35, 857-861.	1.0	15
126	<title>Frequency doubling in the enhancement cavity with single focusing mirror</title>. , 2004, , .		0

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127	Spectrum of an anti-Stokes Raman ion laser in Î›-schemes with various level parameters. Quantum Electronics, 2002, 32, 455-459.	1.0	0
128	<title>Fiber Bragg gratings written by frequency-doubled argon laser for sensor applications</title>. , 2002, , .		0
129	Level-splitting effects in resonant four-wave mixing. Optics Letters, 2001, 26, 81.	3.3	15
130	<title>Detuning characteristics of ionic anti-Stokes Raman laser</title>. , 2001, 4351, 48.		0
131	<title>Splitting effects and power saturation in cw resonant four-wave mixing with two strong fields</title>. , 2001, 4353, 130.		0
132	Probe-field spectra ofN-scheme in strong inhomogeneous fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 3641-3653.	1.5	1
133	Resonant peak in the output spectral profile of an ionic anti-Stokes Raman laser. Physical Review A, 2001, 63, .	2.5	2
134	Saturation spectroscopy of ion metastables in plasmas. , 1998, , .		0
135	Giant Coulomb broadening and Raman lasing in ionic transitions. Physical Review A, 1997, 55, 661-667.	2.5	8
136	<title>Laser action on a weak intercombination transition 4p<formula>^{<roman>4</roman>}</formula>S<formula><inf><roman>3/2</roman></inf></formula> -4 s<formula>^{<roman>2</roman>}</formula>P<formula><inf><roman>3/2</roman></inf></formula> in argon laser plasma</title>. , 1996, , .		0
137	Nonlinear interference effect in the Zeeman ion laser. JETP Letters, 1996, 64, 263-269.	1.4	1
138	Lasing on a weak intercombination transition () in ArII. Journal of Quantitative Spectroscopy and Radiative Transfer, 1996, 55, 259-266.	2.3	0