Alexey Kokhanovskiy

List of Publications by Year
in descending order

24	596	687363	752698
papers	citations	13	20
		h-index	g-index

24	24	24	540
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine learning and applications in ultrafast photonics. Nature Photonics, 2021, 15, 91-101.	31.4	219
2	Ionic Liquid Gated Carbon Nanotube Saturable Absorber for Switchable Pulse Generation. Nano Letters, 2019, 19, 5836-5843.	9.1	60
3	Ultrafast all-fibre laser mode-locked by polymer-free carbon nanotube film. Optics Express, 2016, 24, 28768.	3.4	43
4	Machine Learning Methods for Control of Fibre Lasers with Double Gain Nonlinear Loop Mirror. Scientific Reports, 2019, 9, 2916.	3.3	40
5	Layout of NALM fiber laser with adjustable peak power of generated pulses. Optics Letters, 2017, 42, 1732.	3.3	40
6	Machine learning-based pulse characterization in figure-eight mode-locked lasers. Optics Letters, 2019, 44, 3410.	3.3	26
7	Synchronously pumped picosecond all-fibre Raman laser based on phosphorus-doped silica fibre. Optics Express, 2015, 23, 18548.	3.4	25
8	Inverse design of mode-locked fiber laser by particle swarm optimization algorithm. Scientific Reports, 2021, 11, 13555.	3.3	19
9	InAs-based metal-oxide-semiconductor structure formation in low-energy Townsend discharge. Applied Physics Letters, 2015, 107, .	3.3	16
10	Single- and multi-soliton generation in figure-eight mode-locked fibre laser with two active media. Optics and Laser Technology, 2020, 131, 106422.	4.6	16
11	Raman-converted high-energy double-scale pulses at 1270 nm in P2O5-doped silica fiber. Optics Express, 2018, 26, 29867.	3.4	16
12	Properties of artificial saturable absorbers based on NALM with two pumped active fibres. Laser Physics Letters, 2018, 15, 125101.	1.4	14
13	Deep reinforcement learning for self-tuning laser source of dissipative solitons. Scientific Reports, 2022, 12, 7185.	3.3	14
14	Electronic control of different generation regimes in mode-locked all-fibre F8 laser. Laser Physics Letters, 2018, 15, 045102.	1.4	12
15	Highly Dense FBG Temperature Sensor Assisted with Deep Learning Algorithms. Sensors, 2021, 21, 6188.	3.8	10
16	Raman converter of noisy double-scale pulses into coherent pulses. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2523.	2.1	7
17	All-polarisation-maintaining modified figure-of-8 fibre laser as a source of soliton molecules. Laser Physics Letters, 2020, 17, 085101.	1.4	6
18	Influence of Spectral Filtration on Pulse Dynamics in Ring-Cavity Mamyshev Oscillator. Applied Sciences (Switzerland), 2021, 11, 10398.	2.5	6

#	Article	IF	Citations
19	Nonlinear spectral blueshift in semiconductor optical amplifiers. Optics Letters, 2021, 46, 4757.	3.3	4
20	Study of gain efficiency in quasi-distributed amplification systems. Optics Letters, 2020, 45, 499.	3.3	2
21	Coherence automatic adjustment of the optical pulses inside mode-lock fiber laser cavity. , 2018, , .		1
22	RF spectral analysis for characterisation of mode-locked regimes in fibre lasers. , 2016, , .		0
23	Raman transformation properties of partially coherent laser pulses in phosphorus-doped silica fibre. , 2019, , .		0
24	Control of sub-pulse duration in noise-like structures. , 2020, , .		0