

Alexey Kokhanovskiy

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

596
citations

687363

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752698

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g-index

24
all docs

24
docs citations

24
times ranked

540
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep reinforcement learning for self-tuning laser source of dissipative solitons. Scientific Reports, 2022, 12, 7185.	3.3	14
2	Machine learning and applications in ultrafast photonics. Nature Photonics, 2021, 15, 91-101.	31.4	219
3	Inverse design of mode-locked fiber laser by particle swarm optimization algorithm. Scientific Reports, 2021, 11, 13555.	3.3	19
4	Nonlinear spectral blueshift in semiconductor optical amplifiers. Optics Letters, 2021, 46, 4757.	3.3	4
5	Highly Dense FBC Temperature Sensor Assisted with Deep Learning Algorithms. Sensors, 2021, 21, 6188.	3.8	10
6	Influence of Spectral Filtration on Pulse Dynamics in Ring-Cavity Mamyshev Oscillator. Applied Sciences (Switzerland), 2021, 11, 10398.	2.5	6
7	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
8	All-polarisation-maintaining modified figure-of-8 fibre laser as a source of soliton molecules. Laser Physics Letters, 2020, 17, 085101.	1.4	6
9	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
10	Study of gain efficiency in quasi-distributed amplification systems. Optics Letters, 2020, 45, 499.	3.3	2
11	Control of sub-pulse duration in noise-like structures. , 2020, , .		0
12	Ionic Liquid Gated Carbon Nanotube Saturable Absorber for Switchable Pulse Generation. Nano Letters, 2019, 19, 5836-5843.	9.1	60
13	Machine Learning Methods for Control of Fibre Lasers with Double Gain Nonlinear Loop Mirror. Scientific Reports, 2019, 9, 2916.	3.3	40
14	Machine learning-based pulse characterization in figure-eight mode-locked lasers. Optics Letters, 2019, 44, 3410.	3.3	26
15	Raman transformation properties of partially coherent laser pulses in phosphorus-doped silica fibre. , 2019, , .		0
16	Electronic control of different generation regimes in mode-locked all-fibre F8 laser. Laser Physics Letters, 2018, 15, 045102.	1.4	12
17	Properties of artificial saturable absorbers based on NALM with two pumped active fibres. Laser Physics Letters, 2018, 15, 125101.	1.4	14
18	Raman-converted high-energy double-scale pulses at 1270 nm in P2O5-doped silica fiber. Optics Express, 2018, 26, 29867.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Coherence automatic adjustment of the optical pulses inside mode-lock fiber laser cavity. , 2018, , .		1
20	Layout of NALM fiber laser with adjustable peak power of generated pulses. Optics Letters, 2017, 42, 1732.	3.3	40
21	Ultrafast all-fibre laser mode-locked by polymer-free carbon nanotube film. Optics Express, 2016, 24, 28768.	3.4	43
22	RF spectral analysis for characterisation of mode-locked regimes in fibre lasers. , 2016, , .		0
23	InAs-based metal-oxide-semiconductor structure formation in low-energy Townsend discharge. Applied Physics Letters, 2015, 107, .	3.3	16
24	Synchronously pumped picosecond all-fibre Raman laser based on phosphorus-doped silica fibre. Optics Express, 2015, 23, 18548.	3.4	25