

Mariia A Sorokina

List of Publications by Year in descending order

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30
papers

436
citations

1040056

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996975

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30
all docs

30
docs citations

30
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time observation of dissipative soliton formation in nonlinear polarization rotation mode-locked fibre lasers. Communications Physics, 2018, 1, .	5.3	132
2	Sparse identification for nonlinear optical communication systems: SINO method. Optics Express, 2016, 24, 30433.	3.4	80
3	Spectral correlations in a random distributed feedback fibre laser. Nature Communications, 2017, 8, 15514.	12.8	40
4	Fiber echo state network analogue for high-bandwidth dual-quadrature signal processing. Optics Express, 2019, 27, 2387.	3.4	39
5	Design of multilevel amplitude regenerative system. Optics Letters, 2014, 39, 2499.	3.3	38
6	Regenerative Fourier transformation for dual-quadrature regeneration of multilevel rectangular QAM. Optics Letters, 2015, 40, 3117.	3.3	26
7	Ripple distribution for nonlinear fiber-optic channels. Optics Express, 2017, 25, 2228.	3.4	15
8	Dispersion-dominated nonlinear fiber-optic channel. Optics Letters, 2012, 37, 2931.	3.3	13
9	Optimal packing for cascaded regenerative transmission based on phase sensitive amplifiers. Optics Express, 2013, 21, 31201.	3.4	10
10	Multidimensional fiber echo state network analogue. JPhys Photonics, 2020, 2, 044006.	4.6	8
11	Dispersion-Managed Fiber Echo State Network Analogue With High (Including THz) Bandwidth. Journal of Lightwave Technology, 2020, 38, 3209-3213.	4.6	7
12	Fiber-Optic Reservoir Computing for QAM-Signal Processing. , 2018, , .		5
13	Sparse Identification for Nonlinear Optical communication systems. , 2017, , .		3
14	On Demand Spatial Beam Self-Focusing in Hexagonal Multicore Fiber. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	3
15	Multi-channel optical neuromorphic processor for frequency-multiplexed signals. JPhys Photonics, 2021, 3, 014002.	4.6	3
16	All-optical add-drop multiplexer for OFDM signals. , 2015, , .		2
17	On the group delay statistics of few-mode fibres with intermediate linear mode coupling. , 2016, , .		2
18	Spectral Correlations in Laser Instabilities Beyond Stable Mode Locking. Journal of Lightwave Technology, 2021, 39, 6579-6584.	4.6	2

#	ARTICLE	IF	CITATIONS
19	Phase-preserving Multilevel Amplitude Regeneration in Conjugate Nonlinear-Optical Loop Mirror Pair. , 2018, , .		2
20	Fiber-Optic Reservoir Computing. , 2018, , .		2
21	Nonlinear signal transformations: path to capacity above the linear AWGN Shannon limit. , 2014, , .		1
22	Optical Information Capacity Processing. Springer Series in Optical Sciences, 2015, , 325-354.	0.7	1
23	Perturbative discrete-time multivariate fiber channel model with finite memory. , 2016, , .		1
24	Shannon Capacity of Nonlinear Communication Channels. , 2016, , .		1
25	Efficient packing for phase regenerative channels. , 2013, , .		0
26	Efficiency of regenerative schemes. , 2014, , .		0
27	Multilevel amplitude regeneration of 256-symbol constellation. , 2014, , .		0
28	Information theory analysis of regenerative channels. , 2015, , .		0
29	Neuromorphic Processing for Optical Communications. , 2019, , .		0
30	Coherent modes in a random fibre laser (Conference Presentation). , 2018, , .		0