

Mariia A Sorokina

List of Publications by Year in descending order

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papers

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457
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral Correlations in Laser Instabilities Beyond Stable Mode Locking. Journal of Lightwave Technology, 2021, 39, 6579-6584.	4.6	2
2	Multi-channel optical neuromorphic processor for frequency-multiplexed signals. JPhys Photonics, 2021, 3, 014002.	4.6	3
3	Dispersion-Managed Fiber Echo State Network Analogue With High (Including THz) Bandwidth. Journal of Lightwave Technology, 2020, 38, 3209-3213.	4.6	7
4	Multidimensional fiber echo state network analogue. JPhys Photonics, 2020, 2, 044006.	4.6	8
5	Neuromorphic Processing for Optical Communications. , 2019, , .		0
6	Fiber echo state network analogue for high-bandwidth dual-quadrature signal processing. Optics Express, 2019, 27, 2387.	3.4	39
7	On Demand Spatial Beam Self-Focusing in Hexagonal Multicore Fiber. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	3
8	Fiber-Optic Reservoir Computing for QAM-Signal Processing. , 2018, , .		5
9	Real-time observation of dissipative soliton formation in nonlinear polarization rotation mode-locked fibre lasers. Communications Physics, 2018, 1, .	5.3	132
10	Phase-preserving Multilevel Amplitude Regeneration in Conjugate Nonlinear-Optical Loop Mirror Pair. , 2018, , .		2
11	Fiber-Optic Reservoir Computing. , 2018, , .		2
12	Coherent modes in a random fibre laser (Conference Presentation). , 2018, , .		0
13	Spectral correlations in a random distributed feedback fibre laser. Nature Communications, 2017, 8, 15514.	12.8	40
14	Sparse Identification for Nonlinear Optical communication systems. , 2017, , .		3
15	Ripple distribution for nonlinear fiber-optic channels. Optics Express, 2017, 25, 2228.	3.4	15
16	Sparse identification for nonlinear optical communication systems: SINO method. Optics Express, 2016, 24, 30433.	3.4	80
17	Perturbative discrete-time multivariate fiber channel model with finite memory. , 2016, , .		1
18	On the group delay statistics of few-mode fibres with intermediate linear mode coupling. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Shannon Capacity of Nonlinear Communication Channels. , 2016, , .		1
20	Information theory analysis of regenerative channels. , 2015, , .		0
21	All-optical add-drop multiplexer for OFDM signals. , 2015, , .		2
22	Optical Information Capacity Processing. Springer Series in Optical Sciences, 2015, , 325-354.	0.7	1
23	Regenerative Fourier transformation for dual-quadrature regeneration of multilevel rectangular QAM. Optics Letters, 2015, 40, 3117.	3.3	26
24	Design of multilevel amplitude regenerative system. Optics Letters, 2014, 39, 2499.	3.3	38
25	Nonlinear signal transformations: path to capacity above the linear AWGN Shannon limit. , 2014, , .		1
26	Efficiency of regenerative schemes. , 2014, , .		0
27	Multilevel amplitude regeneration of 256-symbol constellation. , 2014, , .		0
28	Efficient packing for phase regenerative channels. , 2013, , .		0
29	Optimal packing for cascaded regenerative transmission based on phase sensitive amplifiers. Optics Express, 2013, 21, 31201.	3.4	10
30	Dispersion-dominated nonlinear fiber-optic channel. Optics Letters, 2012, 37, 2931.	3.3	13