UÄur TeÄin

List of Publications by Year
in descending order

28	608	759055 12	1125617 13
papers	citations	h-index	g-index

28	28	28	373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Learning to image and compute with multimode optical fibers. Nanophotonics, 2022, 11, 1071-1082.	2.9	15
2	Reusability report: Predicting spatiotemporal nonlinear dynamics in multimode fibre optics with a recurrent neural network. Nature Machine Intelligence, 2021, 3, 387-391.	8.3	20
3	Full characterization of partially measured systems with neural networks. , 2021, , .		0
4	Spatial self-beam cleaning in spatiotemporally mode-locked fiber lasers. , 2021, , .		0
5	Optical computing with spatiotemporal fiber nonlinearities. , 2021, , .		0
6	Scalable optical learning operator. Nature Computational Science, 2021, 1, 542-549.	3.8	67
7	Learning to See and Compute through Multimode Fibers. , 2021, , .		0
8	Actor neural networks for the robust control of partially measured nonlinear systems showcased for image propagation through diffuse media. Nature Machine Intelligence, 2020, 2, 403-410.	8.3	46
9	Spectral and Spatial Shaping of Spatiotemporal Nonlinearities in Multimode Fibers. , 2020, , .		0
10	Controlling spatiotemporal nonlinearities in multimode fibers with deep neural networks. APL Photonics, 2020, 5, 030804.	3.0	43
11	Deep Learning-Based Image Classification through a Multimode Fiber in the Presence of Wavelength Drift. Applied Sciences (Switzerland), 2020, 10, 3816.	1.3	16
12	Single-mode output by controlling the spatiotemporal nonlinearities in mode-locked femtosecond multimode fiber lasers. Advanced Photonics, 2020, 2, .	6.2	75
13	Dispersion-Managed Soliton Multimode Fiber Laser. , 2020, , .		4
14	All-fiber spatiotemporally mode-locked laser with multimode fiber-based filtering. Optics Express, 2020, 28, 23433.	1.7	37
15	Imaging through multimode fibers using deep learning: The effects of intensity versus holographic recording of the speckle pattern. Optical Fiber Technology, 2019, 52, 101985.	1.4	47
16	Learning Spatiotemporal Nonlinearities in Graded-Index Multimode Fibers with Deep Neural Networks. , 2019, , .		0
17	All-Fiber All-Normal-Dispersion Femtosecond Laser with Nonlinear Multimodal Interference-Based Saturable Absorber. , 2019, , .		0
18	High Power Supercontinuum Generation in Graded-Index Multimode Fibers. , 2019, , .		0

#	Article	IF	Citations
19	Wavelength Independent Image Classification through a Multimode Fiber using Deep Neural Networks. , 2019, , .		1
20	Efficient Image Classification through a Multimode Fiber using Deep Neural Networks in presence of Wavelength Drifting. , 2019, , .		2
21	Spatiotemporal self-similar fiber laser. Optica, 2019, 6, 1412.	4.8	102
22	All-fiber all-normal-dispersion femtosecond laser with a nonlinear multimodal interference-based saturable absorber. Optics Letters, 2018, 43, 1611.	1.7	76
23	Cascaded Raman scattering based high power octave-spanning supercontinuum generation in graded-index multimode fibers. Scientific Reports, 2018, 8, 12470.	1.6	31
24	Spatiotemporal Instability of Femtosecond Pulses in Graded-Index Multimode Fibers. IEEE Photonics Technology Letters, 2017, 29, 2195-2198.	1.3	25
25	Geometric parametric instability of femtosecond pulses in graded-index multimode fiber. , 2017, , .		0
26	Nonlinearity management: From fiber oscillators to amplifiers. , 2015, , .		0
27	Generation of dissipative solitons in normal-dispersion Raman fiber laser. , 2015, , .		1
28	High energy dissipative Raman soliton laser through XPM stabilization. , 2015, , .		0