

Eirini Kakkava

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4602182/publications.pdf>

Version: 2024-02-01

23
papers

749
citations

758635

12
h-index

1125271

13
g-index

23
all docs

23
docs citations

23
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning to see through multimode fibers. <i>Optica</i> , 2018, 5, 960.	4.8	274
2	Spatiotemporal self-similar fiber laser. <i>Optica</i> , 2019, 6, 1412.	4.8	102
3	Single-mode output by controlling the spatiotemporal nonlinearities in mode-locked femtosecond multimode fiber lasers. <i>Advanced Photonics</i> , 2020, 2, .	6.2	75
4	Imaging through multimode fibers using deep learning: The effects of intensity versus holographic recording of the speckle pattern. <i>Optical Fiber Technology</i> , 2019, 52, 101985.	1.4	47
5	Actor neural networks for the robust control of partially measured nonlinear systems showcased for image propagation through diffuse media. <i>Nature Machine Intelligence</i> , 2020, 2, 403-410.	8.3	46
6	Controlling spatiotemporal nonlinearities in multimode fibers with deep neural networks. <i>APL Photonics</i> , 2020, 5, 030804.	3.0	43
7	All-fiber spatiotemporally mode-locked laser with multimode fiber-based filtering. <i>Optics Express</i> , 2020, 28, 23433.	1.7	37
8	Selective femtosecond laser ablation via two-photon fluorescence imaging through a multimode fiber. <i>Biomedical Optics Express</i> , 2019, 10, 423.	1.5	35
9	High power, ultrashort pulse control through a multi-core fiber for ablation. <i>Optics Express</i> , 2017, 25, 11491.	1.7	21
10	Computer generated optical volume elements by additive manufacturing. <i>Nanophotonics</i> , 2020, 9, 4173-4181.	2.9	19
11	Deep Learning-Based Image Classification through a Multimode Fiber in the Presence of Wavelength Drift. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3816.	1.3	16
12	In Vitro Cytocompatibility Assessment of Ti-Modified, Silicon-oxycarbide-Based, Polymer-Derived, Ceramic-Implantable Electrodes under Pacing Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17244-17253.	4.0	13
13	Predicting optical transmission through complex scattering media from reflection patterns with deep neural networks. <i>Optics Communications</i> , 2021, 492, 126968.	1.0	13
14	Dispersion-Managed Soliton Multimode Fiber Laser. , 2020, , .		4
15	Efficient Image Classification through a Multimode Fiber using Deep Neural Networks in presence of Wavelength Drifting. , 2019, , .		2
16	Wavelength Independent Image Classification through a Multimode Fiber using Deep Neural Networks. , 2019, , .		1
17	Deep neural networks for seeing through multimode fibers. , 2019, , .		1
18	Ultrashort pulse laser ablation through a multi-core fiber. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Learning Spatiotemporal Nonlinearities in Graded-Index Multimode Fibers with Deep Neural Networks. , 2019, , .		0
20	Spectral and Spatial Shaping of Spatiotemporal Nonlinearities in Multimode Fibers. , 2020, , .		0
21	Full characterization of partially measured systems with neural networks. , 2021, , .		0
22	Spatial self-beam cleaning in spatiotemporally mode-locked fiber lasers. , 2021, , .		0
23	High-resolution microfabrication through a graded-index multimode optical fiber. , 2021, , .		0