

LuÃ-s C B Silva

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4913851/publications.pdf>

Version: 2024-02-01

20
papers

171
citations

1478458

6
h-index

1125717

13
g-index

20
all docs

20
docs citations

20
times ranked

117
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-free plasmonic immunosensor for cortisol detection in a D-shaped optical fiber. Biomedical Optics Express, 2022, 13, 3259.	2.9	73
2	NARX neural network model for strong resolution improvement in a distributed temperature sensor. Applied Optics, 2018, 57, 5859.	1.8	29
3	Fast decision-making tool for monitoring recirculation aquaculture systems based on a multivariate statistical analysis. Aquaculture, 2021, 530, 735931.	3.5	17
4	Detection of Multiple Small Temperature Events Simultaneously on a Distributed Temperature Map. IEEE Sensors Journal, 2021, 21, 4582-4589.	4.7	8
5	Prediction of fish mortality based on a probabilistic anomaly detection approach for recirculating aquaculture system facilities. Review of Scientific Instruments, 2021, 92, 025119.	1.3	8
6	Stable dark pulses produced by a graphite oxide saturable absorber in a fiber laser cavity. Applied Optics, 2019, 58, 9297.	1.8	6
7	Optical spectral intensity-based interrogation technique for liquid-level interferometric fiber sensors. Applied Optics, 2019, 58, 9712.	1.8	5
8	Analysis of Parameters for a Distributed Temperature Sensing based on Raman Scattering. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 259-272.	0.7	4
9	Analytical investigation of the receiver for Raman-based distributed temperature sensors. Optical Fiber Technology, 2021, 63, 102484.	2.7	4
10	Gaussian Distribution Model for Detecting Dangerous Operating Conditions in Industrial Fish Farming. Applied Sciences (Switzerland), 2021, 11, 5875.	2.5	4
11	All-Fiber Erbium-Doped Q-Switched Laser With Recycled Graphite Oxide. IEEE Photonics Technology Letters, 2019, 31, 1713-1716.	2.5	3
12	Numerical analysis of the pump's spectral linewidth impact on single and multi-wavelength Brillouin fiber lasers. Laser Physics, 2021, 31, 055104.	1.2	3
13	Stable self-pulsing regime in a Brillouin ring fiber laser cavity. Laser Physics, 2021, 31, 055103.	1.2	3
14	Improving Temperature Resolution of Distributed Temperature Sensor Using Artificial Neural Network. , 2017, , .		1
15	Long-haul propagation analysis of dark pulses employing an optical recirculating fiber loop technique. Optics Communications, 2021, 495, 127070.	2.1	1
16	High accuracy hot spot size estimation technique for Raman Distributed Temperature Sensors. , 2019, , .		1
17	2D denoising technique for the linearization of interferometric fiber sensors. Applied Optics, 2020, 59, 3038.	1.8	1
18	Efeitos nÃo Lineares em Fibras com AplicaÃo em Sensoriamento DistribuÃdo de Temperatura. , 0, , .		0

#	ARTICLE	IF	CITATIONS
19	Influence of the Thermal Effect on the DTS Calibration. , 2019, , .		0
20	Distributed Sensor Calibration by Gaussian Approximation. , 2019, , .		0