

# LuÃ-s C B Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

171  
citations

1478505

6  
h-index

1125743

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 pumpâ€™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 nÃ£o Lineares em Fibras com AplicaÃ§Ã£o 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         |