

Maria Thereza Miranda Rocco Giraldi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1469254/publications.pdf>

Version: 2024-02-01

53
papers

240
citations

1163117

8
h-index

1058476

14
g-index

55
all docs

55
docs citations

55
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid FBG-LPG sensor for surrounding refractive index and temperature simultaneous discrimination. Optics and Laser Technology, 2012, 44, 981-986.	4.6	47
2	Evaluation of the strong turbulence impact over free-space optical links. Optics Communications, 2013, 305, 42-47.	2.1	21
3	Curvature and Vibration Sensing Based on Core Diameter Mismatch Structures. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2120-2128.	4.7	21
4	Macrobending SMS fiber-optic anemometer and flow sensor. Optical Fiber Technology, 2019, 52, 101981.	2.7	18
5	All-fiber sensors for salinity and temperature simultaneous measurement. Optical and Quantum Electronics, 2021, 53, 1.	3.3	14
6	Long-Period Gratings Dynamic Interrogation With Modulated Fiber Bragg Gratings and Optical Amplification. IEEE Sensors Journal, 2012, 12, 179-183.	4.7	10
7	A Simple Optical Sensor Based on an In-Line Mach-Zehnder Interferometer for Monitoring Single- and Two-Phase Flows in Pipelines. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-6.	4.7	10
8	Strain and Temperature Discrimination Using High-Birefringence Erbium-Doped Fiber Loop Mirror With High Pump Power Laser. IEEE Photonics Technology Letters, 2008, 20, 1033-1035.	2.5	9
9	Interferometric optical fiber inclinometer with dynamic FBG based interrogation. , 2011, , .		6
10	Performance analysis of a 2D double hard-limited OCDMA system over FSO link under strong turbulence for defense applications. , 2012, , .		6
11	Fiber Loop Mirror Sensors Interrogated and Multiplexed by OTDR. Journal of Lightwave Technology, 2015, 33, 2580-2584.	4.6	6
12	Experimental investigation of a strain gauge sensor based on Fiber Bragg Grating for diameter measurement. Optical Fiber Technology, 2021, 61, 102428.	2.7	6
13	Rayleigh assisted Brillouin effects in distributed Raman amplifiers under saturated conditions at 40 Cb/s. Microwave and Optical Technology Letters, 2010, 52, 1331-1335.	1.4	5
14	Fiber optic displacement sensor based on a double-reflecting OTDR technique. Microwave and Optical Technology Letters, 2015, 57, 1312-1315.	1.4	5
15	Comparative performance analysis of relative humidity sensor based on intermodal interference using tapered square no-core optical fiber and tapered cylindrical optical fiber. Optical and Quantum Electronics, 2019, 51, 1.	3.3	5
16	Tunable Plasmonic Resonance Sensor Using a Metamaterial Film in a D-Shaped Photonic Crystal Fiber for Refractive Index Measurements. Applied Sciences (Switzerland), 2022, 12, 2153.	2.5	5
17	Temperature sensor using Bi-erbium-doped fiber loop mirror. Microwave and Optical Technology Letters, 2008, 50, 3152-3154.	1.4	4
18	Numerical simulations and experimental results of a hybrid EDFA-Raman amplifier. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
19	Strain sensing based on a core diameter mismatch structure. Microwave and Optical Technology Letters, 2019, 61, 2013-2019.	1.4	4
20	Second-Order Dispersion Sensor Based on Multi-Plasmonic Surface Resonances in D-Shaped Photonic Crystal Fibers. Photonics, 2021, 8, 181.	2.0	4
21	A Simple Optical Sensor Based on Multimodal Interference Superimposed on Additive Manufacturing for Diameter Measurement. Sensors, 2022, 22, 4560.	3.8	4
22	Brillouin effects in distributed Raman amplifiers under saturated conditions. , 2009, , .		3
23	Numerical Routines for the Optimization of Pump Power and Wavelength in Distributed Raman Amplifiers. Fiber and Integrated Optics, 2006, 25, 347-361.	2.5	2
24	Interrogation and multiplexing system for fiber loop mirror coupled intensity sensors using OTDR. Microwave and Optical Technology Letters, 2014, 56, 2860-2864.	1.4	2
25	A comparison of different modeling approximations for a FSO channel with radial displacement. , 2015, , .		2
26	Analysis of the resonant layer effect in multilayer nanostructured optical waveguides. Optical Engineering, 2017, 56, 017109.	1.0	2
27	Optimized performance of erbium-doped fiber lasers. Microwave and Optical Technology Letters, 1995, 9, 102-105.	1.4	1
28	Erbium+3-doped fiber-ring laser tunability optimization. Microwave and Optical Technology Letters, 1998, 18, 144-147.	1.4	1
29	1 ps pulse generation from a harmonically mode-locked erbium-doped fiber ring laser and its application to optical communication systems. Microwave and Optical Technology Letters, 2000, 24, 285-287.	1.4	1
30	Analysis of Longitudinal Mode Suppression in a Fiber Ring Laser Containing Two Optical Filters. Fiber and Integrated Optics, 2000, 19, 57-65.	2.5	1
31	Characterisation of all-optical wavelength conversion by cross-gain modulation of ASE on a SOA. , 0, , .		1
32	Upgrading the transmission capacity of local area networks by improving the receiver performance. , 2006, 6193, 331.		1
33	Broadband raman amplifier analytical model under experimental validation. , 2007, , .		1
34	Time response of ASE-XGM wavelength conversion in SOAs using ultrashort pulses. Microwave and Optical Technology Letters, 2007, 49, 1541-1544.	1.4	1
35	Performance of a free space optics subsystem boosted by SCM implementation. Proceedings of SPIE, 2008, , .	0.8	1
36	Dynamic interrogation of long period gratings with modulated fibre Bragg gratings. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
37	A study of the quantitative impact of pump-pump interaction in wide-band Raman amplifiers in the S, C and L bands. Proceedings of SPIE, 2010, , .	0.8	1
38	Effective medium theory of subwavelength arrays of metallic nanowires: a numerical approach based on modal propagation method. , 2013, , .		1
39	Enhancement of refractive index sensitivity of the in-line Mach-Zehnder interferometer through bending. , 2013, , .		1
40	Remote curvature fiber sensors using core mismatch structures and OTDR based interrogation. , 2014, , .		1
41	In-fiber Michelson interferometer inclinometer. , 2015, , .		1
42	Modelling of two new kinds of optical filters for use in WDM networks. Microwave and Optical Technology Letters, 2003, 39, 249-253.	1.4	0
43	Improving the response of a SOA wavelength converter in the counter propagating mode using a fiber Bragg grating. , 2006, , .		0
44	Influence of fiber parameters on the performance of a SCM_QPSK transmission system. , 2006, , .		0
45	Studies of different modulation techniques in the integration of SCM optical communication system. , 2008, , .		0
46	An approach to analyze quantitatively pump-pump interaction in Raman amplifiers. , 2009, , .		0
47	Brillouin effect characterization in all-Raman amplified 4 Å– 40 Gb/s WDM system. Microwave and Optical Technology Letters, 2012, 54, 1403-1407.	1.4	0
48	Ag-nanowire metamaterials: spectral reflectance analysis and homogenization models. Proceedings of SPIE, 2013, , .	0.8	0
49	A bent in-line Mach-Zehnder interferometer sensor to increase refractive index sensitivity. , 2013, , .		0
50	Interrogation system for fiber loop mirror sensors using OTDR. Proceedings of SPIE, 2014, , .	0.8	0
51	Investigation of the sensing properties of a localized surface plasmon nanocavity. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 113-123.	0.6	0
52	Curvature sensitivity enhancement of fused fiber taper. , 2017, , .		0
53	Field Apparatus for Measurement of Elastic Rebound and Final Set for Driven Pile Capacity Estimation. Geotechnical Testing Journal, 2011, 34, 167-171.	1.0	0