

Nelson Gomez-Cardona

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

206
citations

1163117

8
h-index

1199594

12
g-index

24
all docs

24
docs citations

24
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-optically tunable polarization beam splitter based on selectively gold-filled dual-core photonic crystal fiber with integrated electrodes. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	14
2	Intrusive Passive Optical Tapping Device. <i>IEEE Access</i> , 2021, 9, 31627-31637.	4.2	0
3	Graphene-Coated Highly Sensitive Photonic Crystal Fiber Surface Plasmon Resonance Sensor for Aqueous Solution: Design and Numerical Analysis. <i>Photonics</i> , 2021, 8, 155.	2.0	18
4	Tunable Mode Converter Device Based on Photonic Crystal Fiber with a Thermo-Responsive Liquid Crystal Core. <i>Photonics</i> , 2020, 7, 3.	2.0	9
5	High Sensitivity Refractive Index Sensor Based on the Excitation of Long-Range Surface Plasmon Polaritons in H-Shaped Optical Fiber. <i>Sensors</i> , 2020, 20, 2111.	3.8	45
6	Performance Analysis of a Mach-Zehnder Interferometer Based on Dual-Core Transversally Chirped Microstructured Optical Fiber for Biosensing applications. , 2018, , .		2
7	Multi-Plasmon Resonances in Microstructured Optical Fibers: Extending the Detection Range of SPR Sensors and a Multi-Analyte Sensing Technique. <i>IEEE Sensors Journal</i> , 2018, 18, 7492-7498.	4.7	42
8	Novel refractive index sensor based on hybrid long range plasmon in H-shaped optical fiber. , 2018, , .		1
9	Ultra-short polarization beam splitter to operate in two communication bands based on a gold-filled dual-core photonic crystal fiber. , 2018, , .		3
10	Hexagonal Photonic Crystal Fiber Behaviour as a Chromatic Dispersion Compensator of a 40 Gbps Link. <i>International Journal of Electronics and Telecommunications</i> , 2017, 63, 93-98.	0.6	6
11	Novel multiband polarization beam splitter based on a dual-core transversally chirped microstructured optical fiber. , 2017, , .		3
12	Performance analysis of a modal converter based on an asymmetric dual-core photonic crystal fiber. <i>Optica Pura Y Aplicada</i> , 2017, 50, 251-257.	0.1	6
13	Numerical modeling of fiber specklegram sensors by using finite element method (FEM). <i>Optics Express</i> , 2016, 24, 27225.	3.4	14
14	Mode selective coupler based in a dual-core photonic crystal fiber with non-identical cores for spatial mode conversion. , 2016, , .		6
15	Effect of wavelength on metrological characteristics of non-holographic fiber specklegram sensor. <i>Photonic Sensors</i> , 2015, 5, 1-5.	5.0	6
16	Label-free biosensor based on a dual-core transversally chirped microstructured optical fiber. , 2014, , .		1
17	Temperature sensibility of the birefringence properties in side-hole photonic crystal fiber filled with Indium. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	16
18	Chromatic Dispersion Measurement in Side-Hole PCF. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	Effects of the speckle size on non-holographic fiber specklegram sensors. Optics and Lasers in Engineering, 2013, 51, 1291-1295.	3.8	11
20	Sensitivity Analysis of SPR Sensors Based on Suspended-core Microstructured Optical Fibers. , 2012, , .		2
21	Practical Method for engineering Erbium-doped fiber lasers from step-like pulse excitations. Journal of Physics: Conference Series, 2011, 274, 012017.	0.4	0
22	Fast method for engineering Erbium-doped fiber lasers. Proceedings of SPIE, 2011, , .	0.8	0
23	Magnetomechanically induced long period fiber gratings. AIP Conference Proceedings, 2008, , .	0.4	1
24	In-fiber Integrated Micro-displacement Sensor. AIP Conference Proceedings, 2008, , .	0.4	0