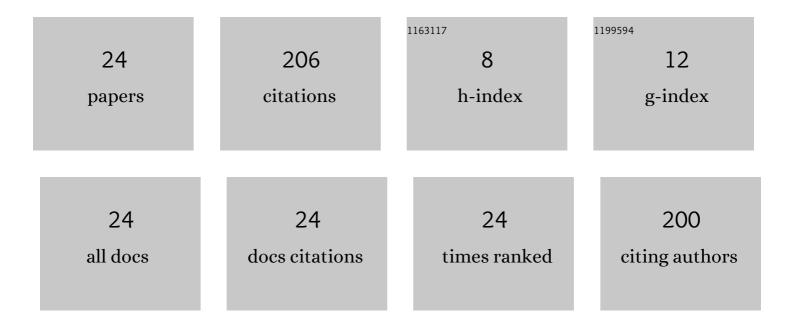
## Nelson Gomez-Cardona

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	High Sensitivity Refractive Index Sensor Based on the Excitation of Long-Range Surface Plasmon Polaritons in H-Shaped Optical Fiber. Sensors, 2020, 20, 2111.	3.8	45
2	Multi-Plasmon Resonances in Microstructured Optical Fibers: Extending the Detection Range of SPR Sensors and a Multi-Analyte Sensing Technique. IEEE Sensors Journal, 2018, 18, 7492-7498.	4.7	42
3	Graphene-Coated Highly Sensitive Photonic Crystal Fiber Surface Plasmon Resonance Sensor for Aqueous Solution: Design and Numerical Analysis. Photonics, 2021, 8, 155.	2.0	18
4	Temperature sensibility of the birefringence properties in side-hole photonic crystal fiber filled with Indium. Applied Physics Letters, 2014, 105, .	3.3	16
5	Numerical modeling of fiber specklegram sensors by using finite element method (FEM). Optics Express, 2016, 24, 27225.	3.4	14
6	Thermo-optically tunable polarization beam splitter based on selectively gold-filled dual-core photonic crystal fiber with integrated electrodes. Optical and Quantum Electronics, 2021, 53, 1.	3.3	14
7	Effects of the speckle size on non-holographic fiber specklegram sensors. Optics and Lasers in Engineering, 2013, 51, 1291-1295.	3.8	11
8	Tunable Mode Converter Device Based on Photonic Crystal Fiber with a Thermo-Responsive Liquid Crystal Core. Photonics, 2020, 7, 3.	2.0	9
9	Effect of wavelength on metrological characteristics of non-holographic fiber specklegram sensor. Photonic Sensors, 2015, 5, 1-5.	5.0	6
10	Hexagonal Photonic Crystal Fiber Behaviour as a Chromatic Dispersion Compensator of a 40 Gbps Link. International Journal of Electronics and Telecommunications, 2017, 63, 93-98.	0.6	6
11	Mode selective coupler based in a dual-core photonic crystal fiber with non-identical cores for spatial mode conversion. , 2016, , .		6
12	Performance analysis of a modal converter based on an asymmetric dual-core photonic crystal fiber. Optica Pura Y Aplicada, 2017, 50, 251-257.	0.1	6
13	Novel multiband polarization beam splitter based on a dual-core transversally chirped microstructured optical fiber. , 2017, , .		3
14	Ultra-short polarization beam splitter to operate in two communication bands based on a gold-filled dual-core photonic crystal fiber. , 2018, , .		3
15	Sensitivity Analysis of SPR Sensors Based on Suspended-core Microstructured Optical Fibers. , 2012, , .		2
16	Performance Analysis of a Mach–Zehnder Interferometer Based on Dual-Core Transversally Chirped Microstructured Optical Fiber for Biosensing applications. , 2018, , .		2
17	Magnetomechanically induced long period fiber gratings. AIP Conference Proceedings, 2008, , .	0.4	1
18	Label-free biosensor based on a dual-core transversally chirped microstructured optical fiber. , 2014, ,		1

#	Article	IF	CITATIONS
19	Novel refractive index sensor based on hybrid long range plasmon in H-shaped optical fiber. , 2018, , .		1
20	In-fiber Integrated Micro-displacement Sensor. AIP Conference Proceedings, 2008, , .	0.4	0
21	Practical Method for engineering Erbium-doped fiber lasers from step-like pulse excitations. Journal of Physics: Conference Series, 2011, 274, 012017.	0.4	Ο
22	Fast method for engineering Erbium-doped fiber lasers. Proceedings of SPIE, 2011, , .	0.8	0
23	Chromatic Dispersion Measurement in Side-Hole PCF. , 2014, , .		0
24	Intrusive Passive Optical Tapping Device. IEEE Access, 2021, 9, 31627-31637.	4.2	0