

# Natalia DÃ-az-Herrera

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

502  
citations

623574

14  
h-index

887953

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

527  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-sensitive SPR sensing with Indium Nitride as a dielectric overlay of optical fibers. Sensors and Actuators B: Chemical, 2011, 158, 372-376.	4.0	61
2	Refractive index sensing of aqueous media based on plasmonic resonance in tapered optical fibres operating in the 1.5 $\mu$ m region. Sensors and Actuators B: Chemical, 2010, 146, 195-198.	4.0	60
3	Surface plasmon resonance in the visible region in sensors based on tapered optical fibers. Sensors and Actuators B: Chemical, 2014, 190, 881-885.	4.0	52
4	A Polarization-Independent SPR Fiber Sensor. Plasmonics, 2010, 5, 7-12.	1.8	45
5	Improved performance of SPR sensors by a chemical etching of tapered optical fibers. Optics and Lasers in Engineering, 2011, 49, 1065-1068.	2.0	39
6	Surface plasmon resonance sensors based on uniform-waist tapered fibers in a reflective configuration. Applied Optics, 2006, 45, 7294.	2.1	38
7	Multiple surface-plasmon resonance in uniform-waist tapered optical fibers with an asymmetric double-layer deposition. Applied Optics, 2005, 44, 519.	2.1	32
8	Sensing properties of asymmetric double-layer-covered tapered fibers. Applied Optics, 2004, 43, 1615.	2.1	31
9	Plasmonic Sensors Based on Doubly-Deposited Tapered Optical Fibers. Sensors, 2014, 14, 4791-4805.	2.1	29
10	Advanced Plasmonic Fiber-Optic Sensor for High Sensitivity Measurement of Magnetic Field. IEEE Sensors Journal, 2019, 19, 7355-7364.	2.4	26
11	Optical fiber spectroscopy for measuring quality indicators of lubricant oils. Measurement Science and Technology, 2009, 20, 034011.	1.4	23
12	Absorption as a selective mechanism in surface plasmon resonance fiber optic sensors. Optics Letters, 2006, 31, 3089.	1.7	19
13	Fibre-optic SPR sensor with a FBG interrogation scheme for readout enhancement. Sensors and Actuators B: Chemical, 2010, 144, 226-231.	4.0	17
14	Generation of Surface Plasmons at Waveguide Surfaces in the Mid-Infrared Region. Plasmonics, 2012, 7, 647-652.	1.8	16
15	Selectivity of SPR fiber sensors in absorptive media: An experimental evaluation. Sensors and Actuators B: Chemical, 2011, 160, 592-597.	4.0	9
16	Moving the wavelength detection range in surface plasmon resonance sensors based on tapered optical fibers. Proceedings of SPIE, 2010, , .	0.8	3
17	Ellipsometric characterization of Bi and Al <sub>2</sub> O <sub>3</sub> coatings for plasmon excitation in an optical fiber sensor. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2019, 37, .	0.6	2