

# Roberto Rojas-Laguna

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

250  
citations

1040056

9  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

354  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Core-Offset Mach Zehnder Interferometer Based on A Non-Zero Dispersion-Shifted Fiber and Its Torsion Sensing Application. <i>Sensors</i> , 2016, 16, 856.	3.8	42
2	Effects of Shape and Size of Agar Gels on Heating Uniformity During Pulsed Microwave Treatment. <i>Journal of Food Science</i> , 2015, 80, E1021-5.	3.1	39
3	An All Fiber Intrinsic Fabry-Perot Interferometer Based on an Air-Microcavity. <i>Sensors</i> , 2013, 13, 6355-6364.	3.8	32
4	Dielectric properties of guava, mamey sapote, prickly pears, and Nopal in the microwave range. <i>International Journal of Food Properties</i> , 2017, 20, 2944-2953.	3.0	28
5	Torsion sensing setup based on a three beam path Mach-Zehnder interferometer. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 1857-1860.	1.4	26
6	Dielectric characterization of raw and packed soy milks from 0.5 to 20 GHz at temperatures from 20 to 70°C. <i>Journal of Food Science and Technology</i> , 2018, 55, 3119-3126.	2.8	11
7	Analytical Modelling of a Refractive Index Sensor Based on an Intrinsic Micro Fabry-Perot Interferometer. <i>Sensors</i> , 2015, 15, 26128-26142.	3.8	10
8	Symmetric and Asymmetric Core-Offset Mach-Zehnder Interferometer Torsion Sensors. <i>IEEE Photonics Technology Letters</i> , 2017, , 1-1.	2.5	10
9	Advances in radio frequency pasteurisation equipment for liquid foods: a review. <i>International Journal of Food Science and Technology</i> , 2022, 57, 3207-3222.	2.7	10
10	Magnetic Field Sensing Based on Bi-Tapered Optical Fibers Using Spectral Phase Analysis. <i>Sensors</i> , 2017, 17, 2393.	3.8	8
11	Dielectric properties of pulque at different temperatures from 0.1 to 25 GHz. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2019, 53, 215-224.	0.8	6
12	Radio frequency heating against <i>Sitophilus zeamais</i> Motschulsky in white maize. <i>Journal of Stored Products Research</i> , 2020, 89, 101730.	2.6	6
13	Quality of beans ( <i>Phaseolus vulgaris</i> L.) after postharvest microwave treatments. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2017, 51, 178-186.	0.8	5
14	Determination of magnetic field using a Fabry-Perot cavity containing novel nanoparticles. <i>Instrumentation Science and Technology</i> , 2017, 45, 392-403.	1.8	4
15	Microwave heating as a post-harvest treatment for white corn ( <i>Zea mays</i> ) against <i>Sitotroga cerealella</i> . <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2019, 53, 145-154.	0.8	3
16	Automated Data Acquisition System Using a Neural Network for Prediction Response in a Mode-Locked Fiber Laser. <i>Electronics (Switzerland)</i> , 2020, 9, 1181.	3.1	3
17	Dielectric properties of fresh rabbit meat in the microwave range. <i>Journal of Food Science</i> , 2021, 86, 952-959.	3.1	3
18	Postharvest treatments with radio frequency for 10 and 20 kg batches of black beans ( <i>Phaseolus</i> )	2.7	3

#	ARTICLE	IF	CITATIONS
19	Photodecomposition of uric-acid crystals by using a mode-locked and broadband spectrum Ytterbium fiber ring laser. Optics Communications, 2020, 475, 126242.	2.1	1
20	Band engineering of complex asymmetric multiple quantum wells for optically pumped semiconductor disk lasers. , 2010, , .		0
21	The polarization effects of the pumping source of a ring tunable wavelength laser Er-doped fiber. , 2018, , .		0