Francisco Prez-Ocn

List of Publications by Citations

22 papers	283 citations	10 h-index	16 g-index
26 ext. papers	322 ext. citations	3.3 avg, IF	3.03 L-index

#	Paper	IF	Citations
22	Fiber-optic liquid-level continuous gauge. *Sensors and Actuators A: Physical*, **2006**, 125, 124-132	3.9	35
21	A simple method for designing efficient public lighting, based on new parameter relationships. *Expert Systems With Applications*, **2013**, 40, 7305-7315	7.8	34
20	Corneal asphericity after refractive surgery when the Munnerlyn formula is applied. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2004**, 21, 98-103	1.8	33
19	Optical image quality and visual performance for patients with keratitis. *Cornea*, **2009**, 28, 783-8	3.1	28
18	Correction factor for ablation algorithms used in corneal refractive surgery with gaussian-profile beams. *Optics Express*, **2005**, 13, 336-43	3.3	28
17	A simple and accurate model for the design of public lighting with energy efficiency functions based on regression analysis. *Energy*, **2016**, 107, 831-842	7.9	24
16	A Continuous Liquid-Level Sensor for Fuel Tanks Based on Surface Plasmon Resonance. *Sensors*, **2016**, 16,	3.8	23
15	Theoretical analysis of the effect of pupil size, initial myopic level, and optical zone on quality of vision after corneal refractive surgery. *Journal of Refractive Surgery*, **2012**, 28, 901-6	3.3	20
14	Intelligent sensor for tracking and monitoring of blood temperature and hemoderivatives used for transfusions. *Sensors and Actuators A: Physical*, **2009**, 152, 241-247	3.9	13
13	Retinal-image quality and contrast-sensitivity function in age-related macular degeneration. *Current Eye Research*, **2010**, 35, 757-61	2.9	10
12	Application of a Differential Evolution Algorithm in the Design of Public Lighting Installations Maximizing Energy Efficiency. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2020**, 16, 217-227	3.5	7
11	Fast single-mode characterization of optical fiber by finite-difference time-domain method. *Journal of Lightwave Technology*, **2006**, 24, 3129-3136	4	5
10	Exponential discretization of the Perfectly Matched Layer (PML) absorbing boundary condition simulation in FD-TD 3D. *Optik*, **2002**, 113, 354-360	2.5	5
9	Objective and subjective optical-quality measurements in subjects with keratitis and age-related macular degeneration. *Journal of Modern Optics*, **2008**, 55, 2371-2380	1.1	4
8	Stability and Reproducibility of Radiometric Properties of Light Curing Units (LCUs). Part I: QTH LCUs. *Dental Materials Journal*, **2008**, 27, 284-291	2.5	4
7	Stability and reproducibility of radiometric properties of light curing units (LCUs). Part II: LED LCUs. *Dental Materials Journal*, **2008**, 27, 292-9	2.5	3
6	Planar dielectric waveguides in rotation are optical fibers: comparison with the classical model. *Optics Express*, **2008**, 16, 927-36	3.3	2

List of Publications

5	Continuous Measurement With Three-in-One Plasmon Sensor in Sucrose Solutions. *IEEE Sensors Journal*, **2021**, 21, 6280-6286	4	2
4	The rotating planar dielectric waveguide model in wave optics: results for step-index profile optical fibers. *Journal of Optics (United Kingdom)*, **2010**, 12, 035103	1.7	1
3	Sensors for Continuous Measuring of Sucrose Solutions Using Surface Plasmon Resonance. *Applied Sciences (Switzerland)*, **2022**, 12, 1350	2.6	1
2	Surface Plasmon Resonance Sensor of CO2 for Indoors and Outdoors. *Applied Sciences (Switzerland)* , **2021**, 11, 6869	2.6	1
1	Extension of the Rotating Planar Waveguide Model to Formation of Interference Patterns in Optical Fibers. *Journal of the Optical Society of Korea*, **2011**, 15, 128-131		