

Antonio Guirao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2316751/publications.pdf>

Version: 2024-02-01

27
papers

3,735
citations

304743

22
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

1438
citing authors

#	ARTICLE	IF	CITATIONS
1	The Covid-19 outbreak in Spain. A simple dynamics model, some lessons, and a theoretical framework for control response. <i>Infectious Disease Modelling</i> , 2020, 5, 652-669.	1.9	29
2	Agreement Between Refractive and Corneal Astigmatism in Pseudophakic Eyes. <i>Cornea</i> , 2013, 32, 783-790.	1.7	23
3	Aberration Structure of the Human Eye. , 2005, , 31-61.		0
4	Image Metrics for Predicting Subjective Image Quality. <i>Optometry and Vision Science</i> , 2005, 82, 358-369.	1.2	116
5	Theoretical Elastic Response of the Cornea to Refractive Surgery: Risk Factors for Keratectasia. <i>Journal of Refractive Surgery</i> , 2005, 21, 176-185.	2.3	114
6	Theoretical elastic response of the cornea to refractive surgery: risk factors for keratectasia. <i>Journal of Refractive Surgery</i> , 2005, 21, 176-85.	2.3	27
7	Corneal Aberrations before and after Small-Incision Cataract Surgery. , 2004, 45, 4312.		127
8	A Method to Predict Refractive Errors from Wave Aberration Data. <i>Optometry and Vision Science</i> , 2003, 80, 36-42.	1.2	129
9	Optical Aberrations and the Aging Eye. <i>International Ophthalmology Clinics</i> , 2003, 43, 63-77.	0.7	35
10	Effect of Beam Size on the Expected Benefit of Customized Laser Refractive Surgery. <i>Journal of Refractive Surgery</i> , 2003, 19, 15-23.	2.3	66
11	Corneal Optical Aberrations and Retinal Image Quality in Patients in Whom Monofocal Intraocular Lenses Were Implanted. <i>JAMA Ophthalmology</i> , 2002, 120, 1143.	2.4	187
12	Calculated impact of higher-order monochromatic aberrations on retinal image quality in a population of human eyes. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2002, 19, 1.	1.5	70
13	Method for optimizing the correction of the eye's higher-order aberrations in the presence of decentrations. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2002, 19, 126.	1.5	34
14	Contribution of the cornea and internal surfaces to the change of ocular aberrations with age. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2002, 19, 137.	1.5	419
15	Calculated impact of higher-order monochromatic aberrations on retinal image quality in a population of human eyes: erratum. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2002, 19, 620.	1.5	70
16	Peripheral refractive errors in myopic, emmetropic, and hyperopic young subjects. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2002, 19, 2363.	1.5	220
17	Effect of rotation and translation on the expected benefit of an ideal method to correct the eye's higher-order aberrations. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 1003.	1.5	265
18	Monochromatic aberrations of the human eye in a large population. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 1793.	1.5	600

#	ARTICLE	IF	CITATIONS
19	Compensation of corneal aberrations by the internal optics in the human eye. Journal of Vision, 2001, 1, 1.	0.3	328
20	Corneal wave aberration from videokeratography: accuracy and limitations of the procedure. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2000, 17, 955.	1.5	154
21	Optical aberrations of the human cornea as a function of age. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2000, 17, 1697.	1.5	253
22	Effect of Rotation and Translation on the Expected Benefit of Ideal Contact Lenses. , 2000, , .		5
23	Visual Benefit of Correcting Higher Order Aberrations of the Eye. Journal of Refractive Surgery, 2000, 16, .	2.3	155
24	Double-pass measurements of retinal image quality: a review of the theory, limitations and results. , 2000, , .		0
25	Off-axis monochromatic aberrations estimated from double pass measurements in the human eye. Vision Research, 1999, 39, 207-217.	1.4	78
26	Contributions of the cornea and the lens to the aberrations of the human eye. Optics Letters, 1998, 23, 1713.	3.3	198
27	Biionic Potential of Charged Membranes: Effects of the Diffusion Boundary Layers. The Journal of Physical Chemistry, 1995, 99, 3387-3393.	2.9	33