

David Borja

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

745
citations

840776

11
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro dimensions and curvatures of human lenses. <i>Vision Research</i> , 2006, 46, 1002-1009.	1.4	121
2	Refractive index measurement of the isolated crystalline lens using optical coherence tomography. <i>Vision Research</i> , 2008, 48, 2732-2738.	1.4	118
3	Optomechanical Response of Human and Monkey Lenses in a Lens Stretcher. , 2007, 48, 3260.		67
4	Optical Power of the Isolated Human Crystalline Lens. , 2008, 49, 2541.		53
5	Biometry of primate lenses during immersion in preservation media. <i>Molecular Vision</i> , 2006, 12, 740-7.	1.1	48
6	Postnatal Elongation of Eye Size in DBA/2J Mice Compared with C57BL/6J Mice: In Vivo Analysis with Whole-Eye OCT. , 2011, 52, 3604.		46
7	Distortions of the posterior surface in optical coherence tomography images of the isolated crystalline lens: effect of the lens index gradient. <i>Biomedical Optics Express</i> , 2010, 1, 1331.	2.9	37
8	Age-dependent variation of the gradient index profile in human crystalline lenses. <i>Journal of Modern Optics</i> , 2011, 58, 1781-1787.	1.3	36
9	Shape of the isolated ex-vivo human crystalline lens. <i>Vision Research</i> , 2009, 49, 74-83.	1.4	34
10	Semianalytical thermal model for subablative laser heating of homogeneous nonperfused biological tissue: application to laser thermokeratoplasty. <i>Journal of Biomedical Optics</i> , 2003, 8, 288.	2.6	32
11	Role of the Lens Capsule on the Mechanical Accommodative Response in a Lens Stretcher. , 2008, 49, 4490.		30
12	Contribution of the crystalline lens gradient refractive index to the accommodation amplitude in non-human primates: In vitro studies. <i>Journal of Vision</i> , 2011, 11, 23-23.	0.3	27
13	Distortion Correction of OCT Images of the Crystalline Lens. <i>Optometry and Vision Science</i> , 2012, 89, E709-E718.	1.2	27
14	Preparation and Hydration Control of Corneal Tissue Strips for Experimental Use. <i>Cornea</i> , 2004, 23, 61-66.	1.7	18
15	Effect of Anterior Zonule Transection on the Change in Lens Diameter and Power in Cynomolgus Monkeys during Simulated Accommodation. , 2009, 50, 4017.		18
16	Refractive Power and Biometric Properties of the Nonhuman Primate Isolated Crystalline Lens. , 2010, 51, 2118.		15
17	Semiautomated analysis of optical coherence tomography crystalline lens images under simulated accommodation. <i>Journal of Biomedical Optics</i> , 2011, 16, 056003.	2.6	13
18	<title>Calculation of corneal temperature and shrinkage during laser thermokeratoplasty (LTK)</title>. , 2002, , .		2

#	ARTICLE	IF	CITATIONS
19	Small animal ocular biometry using optical coherence tomography. Proceedings of SPIE, 2010, , .	0.8	2
20	Kinetics of corneal thermal shrinkage. , 2004, , .		1