Ning-Jiun Jan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1051931/publications.pdf

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22	888	840776	1125743
papers	citations	11 h-index	13 g-index

23	23	23	661
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Eye-Specific IOP-Induced Displacements and Deformations of Human Lamina Cribrosa. , 2014, 55, 1.		121
2	Polarization microscopy for characterizing fiber orientation of ocular tissues. Biomedical Optics Express, 2015, 6, 4705.	2.9	82
3	Collagen Architecture of the Posterior Pole: High-Resolution Wide Field of View Visualization and Analysis Using Polarized Light Microscopy. , 2017, 58, 735.		74
4	Spatial Patterns and Age-Related Changes of the Collagen Crimp in the Human Cornea and Sclera. , 2018, 59, 2987.		53
5	Magic Angleâ€"Enhanced MRI of Fibrous Microstructures in Sclera and Cornea With and Without Intraocular Pressure Loading. , 2014, 55, 5662.		51
6	Collagen fiber recruitment: A microstructural basis for the nonlinear response of the posterior pole of the eye to increases in intraocular pressure. Acta Biomaterialia, 2018, 72, 295-305.	8.3	49
7	Radial and Circumferential Collagen Fibers Are a Feature of the Peripapillary Sclera of Human, Monkey, Pig, Cow, Goat, and Sheep. , 2018, 59, 4763.		49
8	Polarized light microscopy for 3â€dimensional mapping of collagen fiber architecture in ocular tissues. Journal of Biophotonics, 2018, 11, e201700356.	2.3	46
9	Crimp around the globe; patterns of collagen crimp across the corneoscleral shell. Experimental Eye Research, 2018, 172, 159-170.	2.6	44
10	In-vivo effects of intraocular and intracranial pressures on the lamina cribrosa microstructure. PLoS ONE, 2017, 12, e0188302.	2.5	44
11	Lamina Cribrosa Pore Shape and Size as Predictors of Neural Tissue Mechanical Insult. , 2017, 58, 5336.		40
12	Formalin Fixation and Cryosectioning Cause Only Minimal Changes in Shape or Size of Ocular Tissues. Scientific Reports, 2017, 7, 12065.	3.3	36
13	Non-invasive MRI Assessments of Tissue Microstructures and Macromolecules in the Eye upon Biomechanical or Biochemical Modulation. Scientific Reports, 2016, 6, 32080.	3.3	34
14	Microstructural Crimp of the Lamina Cribrosa and Peripapillary Sclera Collagen Fibers. , 2017, 58, 3378-3388.		27
15	Whole-globe biomechanics using high-field MRI. Experimental Eye Research, 2017, 160, 85-95.	2.6	26
16	Peripapillary sclera architecture revisited: A tangential fiber model and its biomechanical implications. Acta Biomaterialia, 2018, 79, 113-122.	8.3	24
17	Use and Misuse of Laplace's Law in Ophthalmology. , 2016, 57, 236.		21
18	Structured polarized light microscopy for collagen fiber structure and orientation quantification in thick ocular tissues. Journal of Biomedical Optics, 2018, 23, 1.	2.6	20

#	Article	IF	Citations
19	Thin Lamina Cribrosa Beams Have Different Collagen Microstructure Than Thick Beams. , 2018, 59, 4653.		17
20	Role of radially aligned scleral collagen fibers in optic nerve head biomechanics. Experimental Eye Research, 2020, 199, 108188.	2.6	16
21	Fecal Microbiota Transplantation Increases Colonic IL-25 and Dampens Tissue Inflammation in Patients with Recurrent Clostridioides difficile. MSphere, 2021, 6, e0066921.	2.9	9
22	Genome-Wide Association Study of Campylobacter - Positive Diarrhea Identifies Genes Involved in Toxin Processing and Inflammatory Response. MBio, 2022, 13, e0055622.	4.1	5