Hongli Yang

List of Publications by Citations

47 papers	3,085 citations	28 h-index	48 g-index
48 ext. papers	3,437 ext. citations	5 avg, IF	4.88 L-index

#	Paper	IF	Citations
47	Enhanced detection of open-angle glaucoma with an anatomically accurate optical coherence tomography-derived neuroretinal rim parameter. *Ophthalmology*, **2013**, 120, 535-543	7.3	254
46	3-D histomorphometry of the normal and early glaucomatous monkey optic nerve head: lamina cribrosa and peripapillary scleral position and thickness. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4597-607		220
45	Optic disc margin anatomy in patients with glaucoma and normal controls with spectral domain optical coherence tomography. *Ophthalmology*, **2012**, 119, 738-47	7.3	199
44	Influence of clinically invisible, but optical coherence tomography detected, optic disc margin anatomy on neuroretinal rim evaluation **2012**, 53, 1852-60		175
43	Longitudinal change detected by spectral domain optical coherence tomography in the optic nerve head and peripapillary retina in experimental glaucoma **2011**, 52, 1206-19		172
42	Three-dimensional histomorphometry of the normal and early glaucomatous monkey optic nerve head: neural canal and subarachnoid space architecture. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 3195-208		155
41	3-D histomorphometry of the normal and early glaucomatous monkey optic nerve head: prelaminar neural tissues and cupping. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 5068-84		144
40	Posterior (outward) migration of the lamina cribrosa and early cupping in monkey experimental glaucoma **2011**, 52, 7109-21		130
39	IOP-induced lamina cribrosa displacement and scleral canal expansion: an analysis of factor interactions using parameterized eye-specific models **2011**, 52, 1896-907		130
38	Comparison of clinical and spectral domain optical coherence tomography optic disc margin anatomy **2009**, 50, 4709-18		113
37	Effect of acute intraocular pressure elevation on the monkey optic nerve head as detected by spectral domain optical coherence tomography **2011**, 52, 9431-7		107
36	Deformation of the early glaucomatous monkey optic nerve head connective tissue after acute IOP elevation in 3-D histomorphometric reconstructions **2011**, 52, 345-63		107
35	Deformation of the normal monkey optic nerve head connective tissue after acute IOP elevation within 3-D histomorphometric reconstructions **2009**, 50, 5785-99		105
34	A method to estimate the amount of neuroretinal rim tissue in glaucoma: comparison with current methods for measuring rim area. *American Journal of Ophthalmology*, **2014**, 157, 540-9.e1-2	4.9	97
33	IOP-induced lamina cribrosa deformation and scleral canal expansion: independent or related? **2011**, 52, 9023-32		96
32	Detection of optic nerve head neural canal opening within histomorphometric and spectral domain optical coherence tomography data sets **2009**, 50, 214-23		91
31	Longitudinal detection of optic nerve head changes by spectral domain optical coherence tomography in early experimental glaucoma **2014**, 55, 574-86		74

30	Anterior lamina cribrosa surface depth, age, and visual field sensitivity in the Portland Progression Project **2014**, 55, 1531-9		69
29	Comparison of clinical and three-dimensional histomorphometric optic disc margin anatomy **2009**, 50, 2165-74		59
28	Structural Measurements for Monitoring Change in Glaucoma: Comparing Retinal Nerve Fiber Layer Thickness With Minimum Rim Width and Area **2015**, 56, 6886-91		53
27	Physiologic intereye differences in monkey optic nerve head architecture and their relation to changes in early experimental glaucoma **2009**, 50, 224-34		49
26	The connective tissue phenotype of glaucomatous cupping in the monkey eye - Clinical and research implications. *Progress in Retinal and Eye Research*, **2017**, 59, 1-52	20.5	45
25	Anatomic vs. acquired image frame discordance in spectral domain optical coherence tomography minimum rim measurements. *PLoS ONE*, **2014**, 9, e92225	3.7	41
24	Variation in the Three-Dimensional Histomorphometry of the Normal Human Optic Nerve Head With Age and Race: Lamina Cribrosa and Peripapillary Scleral Thickness and Position **2017**, 58, 3759-3769		40
23	The Connective Tissue Components of Optic Nerve Head Cupping in Monkey Experimental Glaucoma Part 1: Global Change **2015**, 56, 7661-78		40
22	Spectral-domain optical coherence tomography enhanced depth imaging of the normal and glaucomatous nonhuman primate optic nerve head **2012**, 53, 394-405		37
21	Morphing methods to parameterize specimen-specific finite element model geometries. *Journal of Biomechanics*, **2010**, 43, 254-62	2.9	35
20	Age-related differences in longitudinal structural change by spectral-domain optical coherence tomography in early experimental glaucoma **2014**, 55, 6409-20		32
19	Rat optic nerve head anatomy within 3D histomorphometric reconstructions of normal control eyes. *Experimental Eye Research*, **2015**, 139, 1-12	3.7	22
18	Factors Influencing Central Lamina Cribrosa Depth: A Multicenter Study **2018**, 59, 2357-2370		21
17	Lamina cribrosa microarchitecture in normal monkey eyes part 1: methods and initial results. *Investigative Ophthalmology and Visual Science*, **2015**, 56, 1618-37		18
16	Glaucoma Specialist Optic Disc Margin, Rim Margin, and Rim Width Discordance in Glaucoma and Glaucoma Suspect Eyes. *American Journal of Ophthalmology*, **2018**, 192, 65-76	4.9	17
15	Expansions of the neurovascular scleral canal and contained optic nerve occur early in the hypertonic saline rat experimental glaucoma model. *Experimental Eye Research*, **2016**, 145, 173-186	3.7	16
14	Factors Influencing Optical Coherence Tomography Peripapillary Choroidal Thickness: A Multicenter Study **2019**, 60, 795-806		14
13	Lamina Cribrosa Microarchitecture in Monkey Early Experimental Glaucoma: Global Change **2016**, 57, 3451-69		14

12	Cupping in the Monkey Optic Nerve Transection Model Consists of Prelaminar Tissue Thinning in the Absence of Posterior Laminar Deformation **2016**, 57, 2914-2927		14
11	Peripapillary Scleral Bowing Increases with Age and Is Inversely Associated with Peripapillary Choroidal Thickness in Healthy Eyes. *American Journal of Ophthalmology*, **2020**, 217, 91-103	4.9	14
10	OCT-Detected Optic Nerve Head Neural Canal Direction, Obliqueness, and Minimum Cross-Sectional Area in Healthy Eyes. *American Journal of Ophthalmology*, **2019**, 208, 185-205	4.9	13
9	Connective Tissue Remodeling in Myopia and its Potential Role in Increasing Risk of Glaucoma. *Current Opinion in Biomedical Engineering*, **2020**, 15, 40-50	4.4	13
8	A Methodology for Individual-Specific Modeling of Rat Optic Nerve Head Biomechanics in Glaucoma. *Journal of Biomechanical Engineering*, **2018**, 140,	2.1	11
7	Optical Coherence Tomography Optic Nerve Head Morphology in Myopia I: Implications of Anterior Scleral Canal Opening Versus Bruch Membrane Opening Offset. *American Journal of Ophthalmology* , **2020**, 218, 105-119	4.9	8
6	Optical Coherence Tomography Structural Abnormality Detection in Glaucoma Using Topographically Correspondent Rim and Retinal Nerve Fiber Layer Criteria. *American Journal of Ophthalmology*, **2020**, 213, 203-216	4.9	5
5	Glaucoma Specialist Detection of Optical Coherence Tomography Suspicious Rim Tissue in Glaucoma and Glaucoma Suspect Eyes. *American Journal of Ophthalmology*, **2019**, 199, 28-43	4.9	5
4	Association of Optic Nerve Head Prelaminar Schisis With Glaucoma. *American Journal of Ophthalmology*, **2021**, 223, 246-258	4.9	5
3	Lamina cribrosa pore movement during acute intraocular pressure rise. *British Journal of Ophthalmology*, **2020**, 104, 800-806	5.5	4
2	3D Histomorphometric Reconstruction and Quantification of the Optic Nerve Head Connective Tissues. *Methods in Molecular Biology*, **2018**, 1695, 207-267	1.4	1
1	Clinical Cupping: Laminar and Prelaminar Components **2010**, 185-194		