

Harsha Laxmana Rao

List of Publications by Year in descending order

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128
papers

3,960
citations

147801

31
h-index

161849

54
g-index

130
all docs

130
docs citations

130
times ranked

2569
citing authors

#	ARTICLE	IF	CITATIONS
1	Regional Comparisons of Optical Coherence Tomography Angiography Vessel Density in Primary Open-Angle Glaucoma. <i>American Journal of Ophthalmology</i> , 2016, 171, 75-83.	3.3	221
2	Comparison of the Diagnostic Accuracies of the Spectralis, Cirrus, and RTVue Optical Coherence Tomography Devices in Glaucoma. <i>Ophthalmology</i> , 2011, 118, 1334-1339.	5.2	174
3	Comparison of Different Spectral Domain Optical Coherence Tomography Scanning Areas for Glaucoma Diagnosis. <i>Ophthalmology</i> , 2010, 117, 1692-1699.e1.	5.2	169
4	Prospective Evaluation of Standalone XEN Gel Implant and Combined Phacoemulsification-XEN Gel Implant Surgery: 1-Year Results. <i>Journal of Glaucoma</i> , 2018, 27, 140-147.	1.6	133
5	Diagnostic ability of peripapillary vessel density measurements of optical coherence tomography angiography in primary open-angle and angle-closure glaucoma. <i>British Journal of Ophthalmology</i> , 2017, 101, 1066-1070.	3.9	125
6	Repeatability of vessel density measurements of optical coherence tomography angiography in normal and glaucoma eyes. <i>British Journal of Ophthalmology</i> , 2018, 102, 352-357.	3.9	122
7	Agreement Among Spectral-Domain Optical Coherence Tomography Instruments for Assessing Retinal Nerve Fiber Layer Thickness. <i>American Journal of Ophthalmology</i> , 2011, 151, 85-92.e1.	3.3	111
8	Optical Coherence Tomography Angiography in Glaucoma. <i>Journal of Glaucoma</i> , 2020, 29, 312-321.	1.6	110
9	Structure-function Relationships Using the Cirrus Spectral Domain Optical Coherence Tomograph and Standard Automated Perimetry. <i>Journal of Glaucoma</i> , 2012, 21, 49-54.	1.6	99
10	A comparison of the diagnostic ability of vessel density and structural measurements of optical coherence tomography in primary open angle glaucoma. <i>PLoS ONE</i> , 2017, 12, e0173930.	2.5	92
11	Retinal nerve fiber layer and macular inner retina measurements by spectral domain optical coherence tomograph in Indian eyes with early glaucoma. <i>Eye</i> , 2012, 26, 133-139.	2.1	90
12	Determinants of Peripapillary and Macular Vessel Densities Measured by Optical Coherence Tomography Angiography in Normal Eyes. <i>Journal of Glaucoma</i> , 2017, 26, 491-497.	1.6	90
13	Effect of Disease Severity on the Performance of Cirrus Spectral-Domain OCT for Glaucoma Diagnosis. , 2010, 51, 4104.		84
14	Vessel Density and Structural Measurements of Optical Coherence Tomography in Primary Angle Closure and Primary Angle Closure Glaucoma. <i>American Journal of Ophthalmology</i> , 2017, 177, 106-115.	3.3	81
15	Structure-Function Relationship in Glaucoma Using Spectral-Domain Optical Coherence Tomography. <i>JAMA Ophthalmology</i> , 2011, 129, 864.	2.4	79
16	Predictors of Normal Optic Nerve Head, Retinal Nerve Fiber Layer, and Macular Parameters Measured by Spectral Domain Optical Coherence Tomography. , 2011, 52, 1103.		71
17	Effect of Spectrum Bias on the Diagnostic Accuracy of Spectral-Domain Optical Coherence Tomography in Glaucoma. , 2012, 53, 1058.		70
18	Discriminant Function of Optical Coherence Tomography Angiography to Determine Disease Severity in Glaucoma. , 2016, 57, 6079.		70

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19	Accuracy of Intraocular Lens Power Calculation Formulae in Children Less Than Two Years. American Journal of Ophthalmology, 2012, 154, 13-19.e2.	3.3	68
20	Treatment Outcomes in Malignant Glaucoma. Ophthalmology, 2013, 120, 984-990.	5.2	67
21	Comparison of outcomes of trabeculectomy with mitomycin C vs. ologen implant in primary glaucoma. Indian Journal of Ophthalmology, 2013, 61, 338.	1.1	64
22	XEN Gel Stent in Pseudoexfoliative Glaucoma: 2-Year Results of a Prospective Evaluation. Journal of Glaucoma, 2019, 28, 676-684.	1.6	63
23	Effect of Disease Severity and Optic Disc Size on Diagnostic Accuracy of RTVue Spectral Domain Optical Coherence Tomography in Glaucoma. , 2011, 52, 1290.		61
24	Relationship of Optic Nerve Structure and Function to Peripapillary Vessel Density Measurements of Optical Coherence Tomography Angiography in Glaucoma. Journal of Glaucoma, 2017, 26, 548-554.	1.6	60
25	Relationship between Severity of Visual Field Loss at Presentation and Rate of Visual Field Progression in Glaucoma. Ophthalmology, 2011, 118, 249-253.	5.2	55
26	Ganglion Cell-Inner Plexiform Layer Thickness of High Definition Optical Coherence Tomography in Perimetric and Preperimetric Glaucoma. , 2014, 55, 4768.		53
27	High-hyperopia database, part I: clinical characterisation including morphometric (biometric) differentiation of posterior microphthalmos from nanophthalmos. Eye, 2016, 30, 120-126.	2.1	51
28	Relationship Between Intraocular Pressure and Rate of Visual Field Progression in Treated Glaucoma. Journal of Glaucoma, 2013, 22, 719-724.	1.6	48
29	Combined and stand-alone XEN 45 gel stent implantation: 3-year outcomes and success predictors. Acta Ophthalmologica, 2021, 99, e531-e539.	1.1	44
30	Glaucoma in Microspherophakia. Journal of Glaucoma, 2014, 23, 262-267.	1.6	40
31	Two-Year Outcomes of XEN Gel Stent Surgery in Patients with Open-Angle Glaucoma. Ophthalmology Glaucoma, 2019, 2, 309-318.	1.9	40
32	Effect of Cataract Extraction on Visual Field Index in Glaucoma. Journal of Glaucoma, 2013, 22, 164-168.	1.6	39
33	Corneal Thickness in Keratoconus. Ophthalmology, 2013, 120, 457-463.	5.2	38
34	Ability of Different Scanning Protocols of Spectral Domain Optical Coherence Tomography to Diagnose Preperimetric Glaucoma. , 2013, 54, 7252.		38
35	Diurnal Variations of Peripapillary and Macular Vessel Density in Glaucomatous Eyes Using Optical Coherence Tomography Angiography. Journal of Glaucoma, 2018, 27, 336-341.	1.6	37
36	Evaluation of Central Corneal Thickness Measurement With RTVue Spectral Domain Optical Coherence Tomography in Normal Subjects. Cornea, 2011, 30, 121-126.	1.7	36

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37	Choroidal thickness profile in healthy Indian subjects. Indian Journal of Ophthalmology, 2014, 62, 1060.	1.1	35
38	Comparing Glaucoma Progression on 24-2 and 10-2 Visual Field Examinations. PLoS ONE, 2015, 10, e0127233.	2.5	35
39	Behavior of Visual Field Index in Advanced Glaucoma. , 2013, 54, 307.		34
40	Identifying the predictors of needling after XEN gel implant. Eye, 2019, 33, 353-357.	2.1	32
41	Impact of Phacoemulsification Combined with XEN Gel Stent Implantation on Corneal Endothelial Cell Density: 2-Year Results. Journal of Glaucoma, 2020, 29, 155-160.	1.6	32
42	Effect of Scan Quality on Diagnostic Accuracy of Spectral-Domain Optical Coherence Tomography in Glaucoma. American Journal of Ophthalmology, 2014, 157, 719-727.e1.	3.3	31
43	Choroidal Microvascular Dropout in Primary Open-angle Glaucoma Eyes With Disc Hemorrhage. Journal of Glaucoma, 2019, 28, 181-187.	1.6	31
44	Impact of Glaucoma on Visual Functioning in Indians. , 2012, 53, 6081.		30
45	Effect of surgical intraocular pressure lowering on retinal structures - nerve fibre layer, foveal avascular zone, peripapillary and macular vessel density: 1 year results. Eye, 2020, 34, 562-571.	2.1	29
46	Spectral domain optical coherence tomography in children operated for primary congenital glaucoma. British Journal of Ophthalmology, 2014, 98, 162-165.	3.9	28
47	Choroidal Microvascular Dropout in Primary Angle Closure Glaucoma. American Journal of Ophthalmology, 2019, 199, 184-192.	3.3	28
48	Repeatability and comparability of peripapillary vessel density measurements of high-density and non-high-density optical coherence tomography angiography scans in normal and glaucoma eyes. British Journal of Ophthalmology, 2019, 103, 949-954.	3.9	27
49	Steroid-induced glaucoma and blindness in vernal keratoconjunctivitis. British Journal of Ophthalmology, 2020, 104, 265-269.	3.9	26
50	Agreement between event-based and trend-based glaucoma progression analyses. Eye, 2013, 27, 803-808.	2.1	25
51	In vivo evaluation of retinal ganglion cells degeneration in eyes with branch retinal vein occlusion. British Journal of Ophthalmology, 2016, 100, 1506-1510.	3.9	25
52	Comparison of the Diagnostic Capability of the Heidelberg Retina Tomographs 2 and 3 for Glaucoma in the Indian Population. Ophthalmology, 2010, 117, 275-281.	5.2	24
53	Outcomes of trabeculectomy in juvenile open angle glaucoma. Indian Journal of Ophthalmology, 2014, 62, 224.	1.1	24
54	A Sectoral Analysis of Vessel Density Measurements in Perimetrically Intact Regions of Glaucomatous Eyes: An Optical Coherence Tomography Angiography Study. Journal of Glaucoma, 2018, 27, 525-531.	1.6	24

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55	Phacotrabeculectomy Without Mitomycin C in Primary Angle-closure and Open-angle Glaucoma. <i>Journal of Glaucoma</i> , 2011, 20, 57-62.	1.6	23
56	Diagnostic Abilities of the Optical Microangiography Parameters of the 3Å—3â€%mm and 6Å—6â€%mm Macular Scans in Glaucoma. <i>Journal of Glaucoma</i> , 2018, 27, 496-503.	1.6	23
57	Optical Coherence Tomography Angiography Vessel Density Measurements in Eyes With Primary Open-Angle Glaucoma and Disc Hemorrhage. <i>Journal of Glaucoma</i> , 2017, 26, 888-895.	1.6	22
58	Outcomes of Laser Peripheral Iridotomy in Angle Closure Disease. <i>Seminars in Ophthalmology</i> , 2013, 28, 4-8.	1.6	20
59	Structural and functional assessment of macula to diagnose glaucoma. <i>Eye</i> , 2017, 31, 593-600.	2.1	19
60	Choroidal Microvascular Dropout in Pseudoexfoliation Glaucoma. , 2019, 60, 2146.		18
61	Weekly and seasonal changes of intraocular pressure measured with an implanted intraocular telemetry sensor. <i>British Journal of Ophthalmology</i> , 2021, 105, 387-391.	3.9	18
62	Role of imaging in glaucoma diagnosis and follow-up. <i>Indian Journal of Ophthalmology</i> , 2011, 59, 59.	1.1	18
63	Diagnostic Ability and Structure-function Relationship of Peripapillary Optical Microangiography Measurements in Glaucoma. <i>Journal of Glaucoma</i> , 2018, 27, 219-226.	1.6	15
64	Effect of Optic Disc Size and Disease Severity on the Diagnostic Capability of Glaucoma Imaging Technologies in an Indian Population. <i>Journal of Glaucoma</i> , 2012, 21, 475-480.	1.6	14
65	Is Utility-Based Quality of Life in Adults Affected by Glaucoma?. , 2014, 55, 1361.		14
66	Vessel density and retinal nerve fibre layer thickness following acute primary angle closure. <i>British Journal of Ophthalmology</i> , 2020, 104, 1103-1108.	3.9	14
67	Efficacy of split hours part-time patching versus continuous hours part-time patching for treatment of anisometropic amblyopia in children: a pilot study. <i>British Journal of Ophthalmology</i> , 2013, 97, 874-878.	3.9	13
68	A Study of Prevalence and Risk Factors of Diabetic Retinopathy in Patients with Non-Arteritic Anterior Ischemic Optic Neuropathy (NA-AION). <i>Seminars in Ophthalmology</i> , 2015, 30, 101-104.	1.6	13
69	Optical Coherence Tomography Angiography and Visual Field Progression in Primary Angle Closure Glaucoma. <i>Journal of Glaucoma</i> , 2021, 30, e61-e67.	1.6	13
70	Contralateral intraocular pressure lowering effect of prostaglandin analogues. <i>Indian Journal of Ophthalmology</i> , 2014, 62, 575.	1.1	12
71	Strabismus Surgery Hemostasis. <i>Ophthalmology</i> , 2012, 119, 649-650.e4.	5.2	10
72	Repeatability of Spectral Domain Optical Coherence Tomography Measurements in High Myopia. <i>Journal of Glaucoma</i> , 2016, 25, e526-e530.	1.6	10

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73	Rotational Autokeratoplasty in Pediatric Patients for Nonprogressive Paracentral Corneal Scars. <i>Ophthalmology</i> , 2012, 119, 2458-2462.	5.2	9
74	Agreement of glaucoma specialists and experienced optometrists in gonioscopy and optic disc evaluation. <i>Journal of Optometry</i> , 2013, 6, 212-218.	1.3	9
75	Relationship of Macular Thickness and Function to Optical Microangiography Measurements in Glaucoma. <i>Journal of Glaucoma</i> , 2018, 27, 210-218.	1.6	9
76	Safety and performance of a suprachoroidal sensor for telemetric measurement of intraocular pressure in the EYEMATE-SC trial. <i>British Journal of Ophthalmology</i> , 2023, 107, 518-524.	3.9	9
77	Comparing the astigmatic outcome after paediatric cataract surgery with different incisions. <i>British Journal of Ophthalmology</i> , 2012, 96, 386-389.	3.9	8
78	Peripapillary Retinal Nerve Fiber Layer Assessment of Spectral Domain Optical Coherence Tomography and Scanning Laser Polarimetry to Diagnose Preperimetric Glaucoma. <i>PLoS ONE</i> , 2014, 9, e108992.	2.5	8
79	Optic nerve head vessel density in different stages of pseudoexfoliation disease. <i>British Journal of Ophthalmology</i> , 2020, , bjophthalmol-2020-317605.	3.9	8
80	Optic nerve head parameters of high-definition optical coherence tomography and Heidelberg retina tomogram in perimetric and preperimetric glaucoma. <i>Indian Journal of Ophthalmology</i> , 2016, 64, 277.	1.1	8
81	Evidence-based approach to glaucoma management. <i>Indian Journal of Ophthalmology</i> , 2011, 59, 5.	1.1	8
82	A Randomized Trial of Brimonidine Versus Timolol in Preserving Visual Function: Results From the Low-pressure Glaucoma Treatment Study. <i>American Journal of Ophthalmology</i> , 2011, 152, 877.	3.3	7
83	LV Prasad Eye Institute Glaucoma Epidemiology and Molecular Genetic Study (LVPEI- GLEAMS). Report 1: Study Design and Research Methodology. <i>Ophthalmic Epidemiology</i> , 2013, 20, 188-195.	1.7	7
84	Scanning the macula for detecting glaucoma. <i>Indian Journal of Ophthalmology</i> , 2014, 62, 82.	1.1	7
85	How Often the Goldmann Applanation Tonometer Should be Checked for Calibration Error?. <i>Journal of Glaucoma</i> , 2016, 25, 908-913.	1.6	7
86	Referenced scans improve the repeatability of optical coherence tomography angiography measurements in normal and glaucoma eyes. <i>British Journal of Ophthalmology</i> , 2021, 105, 1542-1547.	3.9	7
87	Predictors of Success in Selective Laser Trabeculoplasty: Data From the Lausanne Laser Trabeculoplasty Registry. <i>Journal of Glaucoma</i> , 2020, 29, 550-555.	1.6	7
88	Prospective study of factors influencing timely versus delayed presentation of preterm babies for retinopathy of prematurity screening at a tertiary eye hospital in India The Indian Twin Cities ROP Screening (ITCROPS) data base report number 6. <i>Indian Journal of Ophthalmology</i> , 2019, 67, 855.	1.1	7
89	Three-Year Follow-up of the Tube Versus Trabeculectomy Study. <i>American Journal of Ophthalmology</i> , 2010, 149, 685-686.	3.3	6
90	Retinal Nerve Fiber Layer Measurements by Scanning Laser Polarimetry With Enhanced Corneal Compensation in Healthy Subjects. <i>Journal of Glaucoma</i> , 2014, 23, 589-593.	1.6	6

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91	Comparing Spectral-Domain Optical Coherence Tomography and Standard Automated Perimetry to Diagnose Glaucomatous Optic Neuropathy. <i>Journal of Glaucoma</i> , 2015, 24, e69-e74.	1.6	6
92	The ISNT rule in glaucoma: revisiting with spectral domain optical coherence tomography. <i>Acta Ophthalmologica</i> , 2015, 93, e208-e213.	1.1	6
93	Changes in peripapillary and macular vascular density after laser selective trabeculoplasty: an optical coherence tomography angiography study. <i>Acta Ophthalmologica</i> , 2022, 100, 203-211.	1.1	6
94	Optical Microangiography and Progressive Retinal Nerve Fiber Layer Loss in Primary Open Angle Glaucoma. <i>American Journal of Ophthalmology</i> , 2022, 233, 171-179.	3.3	6
95	Author reply. <i>Ophthalmology</i> , 2011, 118, 1219-1220.	5.2	5
96	Posterior chamber toric phakic intraocular lenses for myopic astigmatism: First experience in India. <i>Journal of Cataract and Refractive Surgery</i> , 2012, 38, 1583-1589.	1.5	5
97	Varied Clinical Course in Plateau Iris Syndrome: A Case Series. <i>Seminars in Ophthalmology</i> , 2013, 28, 28-31.	1.6	5
98	Retinal nerve fiber layer evaluation of spectral domain optical coherence tomograph and scanning laser polarimeter to diagnose glaucoma. <i>Eye</i> , 2014, 28, 654-661.	2.1	5
99	Predicting the Magnitude of Functional and Structural Damage in Glaucoma From Monocular Pupillary Light Responses Using Automated Pupillography. <i>Journal of Glaucoma</i> , 2017, 26, 409-414.	1.6	5
100	Agreement Among 3 Methods of Optic Disc Diameter Measurement. <i>Journal of Glaucoma</i> , 2010, 19, 650-654.	1.6	4
101	Correlation of Back Optic Zone Radius measurement of rigid contact lenses with radiuscope and keratometer. <i>Contact Lens and Anterior Eye</i> , 2012, 35, 282-284.	1.7	4
102	Factors Affecting the Ability of the Spectral Domain Optical Coherence Tomograph to Detect Photographic Retinal Nerve Fiber Layer Defects. <i>PLoS ONE</i> , 2014, 9, e116115.	2.5	4
103	Diagnostic Ability of Automated Pupillography in Glaucoma. <i>Current Eye Research</i> , 2017, 42, 743-747.	1.5	4
104	Determinants of Optical Coherence Tomography Parameters in a Population-based Study. <i>American Journal of Ophthalmology</i> , 2021, 224, 163-171.	3.3	4
105	Optical Microangiography and Progressive Ganglion Cell Inner Plexiform Layer Loss in Primary Open-Angle Glaucoma. <i>American Journal of Ophthalmology</i> , 2022, 238, 36-44.	3.3	4
106	Long-term outcomes and risk factors for failure of glaucoma filtering surgery in eyes with vernal keratoconjunctivitis and steroid-induced glaucoma. <i>Indian Journal of Ophthalmology</i> , 2022, 70, 820.	1.1	4
107	Glaucoma symptom scale: is it a reliable measure of symptoms in glaucoma patients?: Table 1. <i>British Journal of Ophthalmology</i> , 2013, 97, 379-380.	3.9	3
108	Reference Standard Test and the Diagnostic Ability of Spectral Domain Optical Coherence Tomography in Glaucoma. <i>Journal of Glaucoma</i> , 2015, 24, e151-e156.	1.6	3

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109	Predicting the intereye asymmetry in functional and structural damage in glaucoma using automated pupillography. <i>Acta Ophthalmologica</i> , 2017, 95, e532-e538.	1.1	3
110	Comparison of Rebound Tonometry and Handheld Applanation Tonometry in Pediatric Glaucoma with Clear and Scarred Corneas. <i>Ophthalmology</i> , 2019, 126, 1330-1332.	5.2	3
111	Outcomes of pattern scanning laser trabeculoplasty and selective laser trabeculoplasty: Results from the lausanne laser trabeculoplasty registry. <i>Acta Ophthalmologica</i> , 2021, 99, e154-e159.	1.1	3
112	Trabeculectomy with Mitomycin-C in Post-Traumatic Angle Recession Glaucoma in Phakic Eyes With no Prior Intraocular Intervention. <i>Seminars in Ophthalmology</i> , 2022, 37, 171-176.	1.6	3
113	"Combined occlusion and atropine therapy" versus "Augmented part-time patching" in children with refractory/residual amblyopia: A pilot study. <i>Middle East African Journal of Ophthalmology</i> , 2016, 23, 201.	0.3	3
114	Rates of Choroidal Microvasculature Dropout and Retinal Nerve Fiber Layer Changes in Glaucoma. <i>American Journal of Ophthalmology</i> , 2022, 241, 130-138.	3.3	3
115	Dose- \hat{c} effect relationship of medial rectus muscle advancement for consecutive exotropia. <i>Journal of AAPOS</i> , 2012, 16, 314.	0.3	2
116	Atypical birefringence pattern and the diagnostic ability of scanning laser polarimetry with enhanced corneal compensation in glaucoma. <i>Acta Ophthalmologica</i> , 2015, 93, e105-10.	1.1	2
117	A Simplified (Screening) Approach to Check the Calibration Status of the Goldmann Applanation Tonometer. <i>Journal of Glaucoma</i> , 2016, 25, 812-814.	1.6	2
118	Does the Presence of a Disc Hemorrhage Affect OCT-Measured Vessel Density and Retinal Nerve Fiber Layer Thickness?. <i>Ophthalmology Glaucoma</i> , 2018, 1, 152-157.	1.9	2
119	Measurement of intraocular temperature in glaucoma: week-day and seasonal fluctuations. <i>British Journal of Ophthalmology</i> , 2023, 107, 941-945.	3.9	2
120	Evaluation of blotchy pigments in the anterior chamber angle as a sign of angle closure. <i>Indian Journal of Ophthalmology</i> , 2012, 60, 535.	1.1	1
121	Descemet's Stripping Automated Endothelial Keratoplasty. <i>Ophthalmology</i> , 2012, 119, 1498-1499.	5.2	1
122	In Vivo Evidence of Inner Retinal Neurodegeneration in Retinitis Pigmentosa Using Spectral-Domain Optical Coherence Tomography. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2016, 47, 828-835.	0.7	1
123	Progressive vessel density reduction on optical coherence tomography angiography in glaucoma eyes with disc hemorrhages. <i>Ophthalmology Glaucoma</i> , 2021, , .	1.9	1
124	Central Corneal Thickness Measurement. <i>Ophthalmology</i> , 2011, 118, 1010.	5.2	0
125	Long-term perimetric fluctuation in glaucoma. <i>British Journal of Ophthalmology</i> , 2011, 95, 1174-1175.	3.9	0
126	Corneal birefringence measurements in normal Indian eyes. <i>Eye</i> , 2012, 26, 1589-1591.	2.1	0

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127	The choice of analysis of variance models in repeated measurements analysis on the effect of glaucoma surgery on retinal structures. <i>Eye</i> , 2020, 34, 1711-1711.	2.1	0
128	Circular functional analysis of OCT data for precise identification of structural phenotypes in the eye. <i>Scientific Reports</i> , 2021, 11, 23336.	3.3	0