

Mani Baskaran

List of Publications by Year in descending order

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194
papers

8,968
citations

53794

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60623

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docs citations

195
times ranked

7012
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Validation of a Deep Learning System for Diabetic Retinopathy and Related Eye Diseases Using Retinal Images From Multiethnic Populations With Diabetes. JAMA - Journal of the American Medical Association, 2017, 318, 2211.	7.4	1,442
2	Anterior segment optical coherence tomography. Progress in Retinal and Eye Research, 2018, 66, 132-156.	15.5	297
3	Lens Vault, Thickness, and Position in Chinese Subjects with Angle Closure. Ophthalmology, 2011, 118, 474-479.	5.2	291
4	Genome-wide association analyses identify three new susceptibility loci for primary angle closure glaucoma. Nature Genetics, 2012, 44, 1142-1146.	21.4	196
5	Prevalence of Primary Open-angle Glaucoma in an Urban South Indian Population and Comparison with a Rural Population. Ophthalmology, 2008, 115, 648-654.e1.	5.2	191
6	Ocular biometry in occludable angles and angle closure glaucoma: a population based survey. British Journal of Ophthalmology, 2003, 87, 399-402.	3.9	177
7	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. Nature Genetics, 2014, 46, 1115-1119.	21.4	160
8	Prevalence of Open-Angle Glaucoma in a Rural South Indian Population. , 2005, 46, 4461.		148
9	Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. Nature Genetics, 2016, 48, 556-562.	21.4	147
10	Prevalence of Primary Angle-Closure Disease in an Urban South Indian Population and Comparison with a Rural Population. Ophthalmology, 2008, 115, 655-660.e1.	5.2	138
11	Diagnostic Performance of Anterior Chamber Angle Measurements for Detecting Eyes With Narrow Angles. JAMA Ophthalmology, 2010, 128, 1321.	2.4	137
12	Prevalence of Plateau Iris in Primary Angle Closure Suspects. Ophthalmology, 2008, 115, 430-434.	5.2	131
13	Differential Associations of Myopia with Major Age-related Eye Diseases. Ophthalmology, 2013, 120, 284-291.	5.2	130
14	New insights into the genetics of primary open-angle glaucoma based on meta-analyses of intraocular pressure and optic disc characteristics.. Human Molecular Genetics, 2017, 26, ddw399.	2.9	120
15	Finite Element Analysis Predicts Large Optic Nerve Head Strains During Horizontal Eye Movements. , 2016, 57, 2452.		119
16	Determinants of glaucoma awareness and knowledge in urban Chennai. Indian Journal of Ophthalmology, 2009, 57, 355.	1.1	114
17	Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. Human Molecular Genetics, 2018, 27, 1486-1496.	2.9	111
18	Determinants of Quantitative Optic Nerve Measurements Using Spectral Domain Optical Coherence Tomography in a Population-Based Sample of Non-glaucomatous Subjects. , 2011, 52, 9629.		107

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19	Prevalence of Refractive Errors in a Rural South Indian Population. , 2004, 45, 4268.		105
20	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	2.9	105
21	A Deep Learning System for Automated Angle-Closure Detection in Anterior Segment Optical Coherence Tomography Images. American Journal of Ophthalmology, 2019, 203, 37-45.	3.3	105
22	The Prevalence and Types of Glaucoma in an Urban Chinese Population. JAMA Ophthalmology, 2015, 133, 874.	2.5	100
23	Pseudoexfoliation in south India. British Journal of Ophthalmology, 2003, 87, 1321-1323.	3.9	92
24	Translating Ocular Biomechanics into Clinical Practice: Current State and Future Prospects. Current Eye Research, 2015, 40, 1-18.	1.5	92
25	Intraocular Pressure Changes and Ocular Biometry during Sirsasana (Headstand Posture) in Yoga Practitioners. Ophthalmology, 2006, 113, 1327-1332.	5.2	90
26	Effect of corneal parameters on measurements using the pulsatile ocular blood flow tonograph and Goldmann applanation tonometer. British Journal of Ophthalmology, 2004, 88, 518-522.	3.9	89
27	Automatic segmentation of the choroid in enhanced depth imaging optical coherence tomography images. Biomedical Optics Express, 2013, 4, 397.	2.9	87
28	Lamina Cribrosa Visibility Using Optical Coherence Tomography: Comparison of Devices and Effects of Image Enhancement Techniques. Investigative Ophthalmology and Visual Science, 2015, 56, 865-874.	3.3	86
29	In Vivo 3-Dimensional Strain Mapping Confirms Large Optic Nerve Head Deformations Following Horizontal Eye Movements. , 2016, 57, 5825.		85
30	Anterior Segment Optical Coherence Tomography Parameters in Subtypes of Primary Angle Closure. , 2013, 54, 5281.		80
31	Changes in Anterior Segment Morphology after Laser Peripheral Iridotomy: An Anterior Segment Optical Coherence Tomography Study. Ophthalmology, 2012, 119, 1383-1387.	5.2	78
32	Segmentation and Quantification for Angle-Closure Glaucoma Assessment in Anterior Segment OCT. IEEE Transactions on Medical Imaging, 2017, 36, 1930-1938.	8.9	77
33	Confirmation of the Presence of Uveal Effusion in Asian Eyes With Primary Angle Closure Glaucoma. JAMA Ophthalmology, 2008, 126, 1647.	2.4	74
34	Prevalence, Risk Factors, and Visual Features of Undiagnosed Glaucoma. JAMA Ophthalmology, 2015, 133, 938.	2.5	74
35	Distribution and Determinants of Choroidal Thickness and Volume Using Automated Segmentation Software in a Population-Based Study. American Journal of Ophthalmology, 2015, 159, 293-301.e3.	3.3	73
36	Evaluation of Tonometric Correction Factors. Journal of Glaucoma, 2005, 14, 337-343.	1.6	71

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37	Classification Algorithms Based on Anterior Segment Optical Coherence Tomography Measurements for Detection of Angle Closure. <i>Ophthalmology</i> , 2013, 120, 48-54.	5.2	71
38	Prevalence and causes of blindness in the rural population of the Chennai Glaucoma Study. <i>British Journal of Ophthalmology</i> , 2006, 90, 407-410.	3.9	70
39	Follow-up of Primary Angle Closure Suspects After Laser Peripheral Iridotomy Using Ultrasound Biomicroscopy and A-Scan Biometry for a Period of 2 Years. <i>Journal of Glaucoma</i> , 2009, 18, 521-527.	1.6	67
40	A randomized, crossover, open label pilot study to evaluate the efficacy and safety of Xalatan Â® in comparison with generic Latanoprost (Latanoprost) in subjects with primary open angle glaucoma or ocular hypertension. <i>Indian Journal of Ophthalmology</i> , 2007, 55, 127.	1.1	66
41	Pupillary Responses to High-Irradiance Blue Light Correlate with Glaucoma Severity. <i>Ophthalmology</i> , 2015, 122, 1777-1785.	5.2	65
42	Comparison of anterior chamber depth measurements using the IOLMaster, scanning peripheral anterior chamber depth analyser, and anterior segment optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2007, 91, 1023-1026.	3.9	64
43	Central corneal thickness and its relationship to myopia in Chinese adults. <i>British Journal of Ophthalmology</i> , 2006, 90, 1451-1453.	3.9	61
44	Assessment of Circumferential Angle-Closure by the Irisâ€™Trabecular Contact Index with Swept-Source Optical Coherence Tomography. <i>Ophthalmology</i> , 2013, 120, 2226-2231.	5.2	59
45	The Prevalence and Types of Glaucoma in an Urban Indian Population: The Singapore Indian Eye Study. , 2013, 54, 4621.		57
46	Qualitative Evaluation of the Iris and Ciliary Body by Ultrasound Biomicroscopy in Subjects With Angle Closure. <i>Journal of Glaucoma</i> , 2014, 23, 583-588.	1.6	53
47	Efficacy of Selective Laser Trabeculoplasty in Primary Angle-Closure Glaucoma. <i>JAMA Ophthalmology</i> , 2015, 133, 206.	2.5	53
48	Influence of tobacco use on cataract development. <i>British Journal of Ophthalmology</i> , 2006, 90, 1374-1377.	3.9	52
49	Assessment of trabecular meshwork width using swept source optical coherence tomography. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 1587-1592.	1.9	52
50	Diurnal Intraocular Pressure Fluctuation and Associated Risk Factors in Eyes with Angle Closure. <i>Ophthalmology</i> , 2009, 116, 2300-2304.	5.2	51
51	Automatic Anterior Chamber Angle Assessment for HD-OCT Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 3242-3249.	4.2	51
52	Swept source optical coherence tomography measurement of the irisâ€™trabecular contact (ITC) index: a new parameter for angle closure. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 1205-1211.	1.9	50
53	Methods and design of the Chennai Glaucoma Study. <i>Ophthalmic Epidemiology</i> , 2003, 10, 337-348.	1.7	49
54	Pupillary Responses to Full-Field Chromatic Stimuli Are Reduced in Patients with Early-Stage Primary Open-Angle Glaucoma. <i>Ophthalmology</i> , 2018, 125, 1362-1371.	5.2	49

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55	Angle-Closure Detection in Anterior Segment OCT Based on Multilevel Deep Network. IEEE Transactions on Cybernetics, 2020, 50, 3358-3366.	9.5	48
56	Retinoblastoma in Adults. Survey of Ophthalmology, 2000, 44, 409-414.	4.0	47
57	A Global Shape Index to Characterize Anterior Lamina Cribrosa Morphology and Its Determinants in Healthy Indian Eyes. , 2015, 56, 3604.		47
58	Variations in Iris Volume with Physiologic Mydriasis in Subtypes of Primary Angle Closure Glaucoma. , 2013, 54, 708.		43
59	Anterior Segment Imaging Predicts Incident Gonioscopic Angle Closure. Ophthalmology, 2015, 122, 2380-2384.	5.2	41
60	Verification of a virtual fields method to extract the mechanical properties of human optic nerve head tissues in vivo. Biomechanics and Modeling in Mechanobiology, 2017, 16, 871-887.	2.8	40
61	In Vivo Three-Dimensional Lamina Cribrosa Strains in Healthy, Ocular Hypertensive, and Glaucoma Eyes Following Acute Intraocular Pressure Elevation. , 2018, 59, 260.		40
62	Serum vitamin D status is associated with the presence but not the severity of primary open angle glaucoma. Maturitas, 2015, 81, 470-474.	2.4	39
63	Determinants of Optical Coherence Tomographyâ€Derived Minimum Neuroretinal Rim Width in a Normal Chinese Population. , 2015, 56, 3337.		38
64	The Singapore Asymptomatic Narrow Angles Laser Iridotomy Study. Ophthalmology, 2022, 129, 147-158.	5.2	37
65	Comparison of Two Spectral Domain Optical Coherence Tomography Devices for Angle-Closure Assessment. , 2012, 53, 5131.		36
66	Comparison of refractive errors and factors associated with spectacle use in a rural and urban South Indian population. Indian Journal of Ophthalmology, 2008, 56, 139.	1.1	36
67	Anterior Chamber Angle Assessment Using Gonioscopy and Ultrasound Biomicroscopy. Japanese Journal of Ophthalmology, 2004, 48, 44-49.	1.9	35
68	High resolution iridocorneal angle imaging system by axicon lens assisted gonioscopy. Scientific Reports, 2016, 6, 30844.	3.3	35
69	Swept-source optical coherence tomography assessment of irisâ€trabecular contact after phacoemulsification with or without goniosynechialysis in eyes with primary angle closure glaucoma. British Journal of Ophthalmology, 2015, 99, 927-931.	3.9	33
70	Shape Changes of the Anterior Lamina Cribrosa in Normal, Ocular Hypertensive, and Glaucomatous Eyes Following Acute Intraocular Pressure Elevation. , 2016, 57, 4869.		33
71	Automatic optic disc segmentation with peripapillary atrophy elimination. , 2011, 2011, 6224-7.		31
72	Biometric Factors Associated With Acute Primary Angle Closure: Comparison of the Affected and Fellow Eye. , 2016, 57, 5320.		31

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73	Angle Assessment by EyeCam, Goniophotography, and Gonioscopy. Journal of Glaucoma, 2012, 21, 493-497.	1.6	30
74	Association of Baseline Anterior Segment Parameters With the Development of Incident Gonioscopic Angle Closure. JAMA Ophthalmology, 2017, 135, 252.	2.5	30
75	Understanding diagnostic disagreement in angle closure assessment between anterior segment optical coherence tomography and gonioscopy. British Journal of Ophthalmology, 2020, 104, 795-799.	3.9	30
76	Relationship between Intraocular Pressure and Angle Configuration: An Anterior Segment OCT Study. , 2013, 54, 1650.		29
77	Effect of prophylactic laser iridotomy on corneal endothelial cell density over 3â€¦years in primary angle closure suspects. British Journal of Ophthalmology, 2013, 97, 258-261.	3.9	29
78	Sectoral variations of iridocorneal angle width and iris volume in Chinese Singaporeans: a swept-source optical coherence tomography study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1127-1132.	1.9	29
79	Argon Laser Peripheral Iridoplasty for Primary Angle-Closure Glaucoma. Ophthalmology, 2016, 123, 514-521.	5.2	29
80	Gender Variation in Ocular Biometry and Ultrasound Biomicroscopy of Primary Angle Closure Suspects and Normal Eyes. Journal of Glaucoma, 2007, 16, 122-128.	1.6	28
81	Outcomes of cataract surgery in a rural and urban south Indian population. Indian Journal of Ophthalmology, 2010, 58, 223.	1.1	28
82	Factors influencing the pupillary light reflex in healthy individuals. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1353-1359.	1.9	28
83	Use of EyeCam for Imaging the Anterior Chamber Angle. , 2010, 51, 2993.		27
84	Peripapillary choroidal thickness assessed using automated choroidal segmentation software in an Asian population. British Journal of Ophthalmology, 2015, 99, 920-926.	3.9	27
85	Recent advances in anterior chamber angle imaging. Eye, 2020, 34, 51-59.	2.1	26
86	The Chennai glaucoma study: Prevalence and risk factors for glaucoma in cataract operated eyes in urban Chennai. Indian Journal of Ophthalmology, 2010, 58, 243.	1.1	25
87	Imaging of the Iridocorneal Angle with the RTVue Spectral Domain Optical Coherence Tomography. , 2012, 53, 1710.		25
88	Development of a Score and Probability Estimate for Detecting Angle Closure Based on Anterior Segment Optical Coherence Tomography. American Journal of Ophthalmology, 2014, 157, 32-38.e1.	3.3	25
89	Relationship Between Peripapillary Choroid and Retinal Nerve Fiber Layer Thickness in a Population-Based Sample of Nonglaucomatous Eyes. American Journal of Ophthalmology, 2016, 161, 4-11.e2.	3.3	25
90	Multi-context Deep Network forÂAngle-Closure Glaucoma Screening inÂAnterior Segment OCT. Lecture Notes in Computer Science, 2018, , 356-363.	1.3	25

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91	Evaluation of the Anterior Segment Angle-to-Angle Scan of Cirrus High-Definition Optical Coherence Tomography and Comparison With Gonioscopy and With the Visante OCT. , 2017, 58, 59.		24
92	Disrupted Eye Movements in Preperimetric Primary Open-Angle Glaucoma. , 2017, 58, 2430.		24
93	In Vivo Analysis of Vectors Involved in Pupil Constriction in Chinese Subjects with Angle Closure. , 2012, 53, 6756.		23
94	Residual Angle Closure One Year After Laser Peripheral Iridotomy in Primary Angle Closure Suspects. American Journal of Ophthalmology, 2017, 183, 111-117.	3.3	23
95	Effect of acute intraocular pressure elevation on the minimum rim width in normal, ocular hypertensive and glaucoma eyes. British Journal of Ophthalmology, 2018, 102, 131-135.	3.9	23
96	Role of anterior segment optical coherence tomography in angle-closure disease: a review. Clinical and Experimental Ophthalmology, 2018, 46, 147-157.	2.6	23
97	Diagnostic accuracy of macular ganglion cell-inner plexiform layer thickness for glaucoma detection in a population-based study: Comparison with optic nerve head imaging parameters. PLoS ONE, 2018, 13, e0199134.	2.5	23
98	Pupil dynamics in Chinese subjects with angle closure. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 1353-1359.	1.9	22
99	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci in Patients with Early Stages of Angle-Closure Disease. Ophthalmology, 2018, 125, 664-670.	5.2	22
100	Variation of Peripapillary Scleral Shape With Age. , 2019, 60, 3275.		22
101	Primary angle closure glaucoma (PACG) susceptibility gene PLEKHA7 encodes a novel Rac1/Cdc42 GAP that modulates cell migration and blood-aqueous barrier function. Human Molecular Genetics, 2017, 26, 4011-4027.	2.9	21
102	Similarity regularized sparse group lasso for cup to disc ratio computation. Biomedical Optics Express, 2017, 8, 3763.	2.9	21
103	Assessment of Circumferential Angle Closure with Swept-Source Optical Coherence Tomography: a Community Based Study. American Journal of Ophthalmology, 2019, 199, 133-139.	3.3	21
104	Digital Gonioscopy Based on Three-dimensional Anterior-Segment OCT. Ophthalmology, 2022, 129, 45-53.	5.2	21
105	A Genetic Variant in TGFB3-CDC7 Is Associated with Visual Field Progression in Primary Open-Angle Glaucoma Patients from Singapore. Ophthalmology, 2015, 122, 2416-2422.	5.2	20
106	Progress in anterior chamber angle imaging for glaucoma risk prediction – A review on clinical equipment, practice and research. Medical Engineering and Physics, 2016, 38, 1383-1391.	1.7	20
107	Efficacy and Safety of Latanoprost for Glaucoma Treatment: A Three-Month Multicentric Study in India. Indian Journal of Ophthalmology, 2005, 53, 23.	1.1	20
108	Diurnal intraocular pressure fluctuation and its risk factors in angle-closure and open-angle glaucoma. Eye, 2016, 30, 362-368.	2.1	19

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109	Optic Nerve Tortuosity and Globe Proptosis in Normal and Glaucoma Subjects. <i>Journal of Glaucoma</i> , 2019, 28, 691-696.	1.6	19
110	Association of Functional Loss With the Biomechanical Response of the Optic Nerve Head to Acute Transient Intraocular Pressure Elevations. <i>JAMA Ophthalmology</i> , 2018, 136, 184.	2.5	18
111	Social, health and ocular factors associated with primary open-angle glaucoma amongst Chinese Singaporeans. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 25-34.	2.6	18
112	Quantitative analysis of choriocapillaris in non-human primates using swept-source optical coherence tomography angiography (SS-OCTA). <i>Biomedical Optics Express</i> , 2019, 10, 356.	2.9	18
113	Clinical Characterization of Young Chinese Myopes With Optic Nerve and Visual Field Changes Resembling Glaucoma. <i>Journal of Glaucoma</i> , 2012, 21, 281-286.	1.6	17
114	Genotype-Phenotype Correlation Analysis for Three Primary Angle Closure Glaucoma-Associated Genetic Polymorphisms. , 2014, 55, 1143.		17
115	Changes in the Anterior Lamina Cribrosa Morphology with Glaucoma Severity. <i>Scientific Reports</i> , 2019, 9, 6612.	3.3	17
116	Asian-specific vertical cup-to-disc ratio cutoff for glaucoma screening: An evidence-based recommendation from a multi-ethnic Asian population. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 1210-1218.	2.6	17
117	Change in Iris Parameters with Physiological Mydriasis. <i>Optometry and Vision Science</i> , 2012, 89, 483-488.	1.2	16
118	Automated anterior chamber angle localization and glaucoma type classification in OCT images. , 2013, 2013, 7380-3.		16
119	Integrated flexible handheld probe for imaging and evaluation of iridocorneal angle. <i>Journal of Biomedical Optics</i> , 2015, 20, 016014.	2.6	16
120	In Vivo Measurements of Prelamina and Lamina Cribrosa Biomechanical Properties in Humans. , 2020, 61, 27.		16
121	Comparison of EyeCam and anterior segment optical coherence tomography in detecting angle closure. <i>Acta Ophthalmologica</i> , 2012, 90, e621-5.	1.1	15
122	Changes in Iris Stiffness and Permeability in Primary Angle Closure Glaucoma. , 2021, 62, 29.		15
123	Glaucoma in aphakia and pseudophakia in the Chennai Glaucoma Study. <i>British Journal of Ophthalmology</i> , 2005, 89, 699-703.	3.9	14
124	National Survey of Ophthalmologists in Singapore for the Assessment and Management of Asymptomatic Angle Closure. <i>Journal of Glaucoma</i> , 2008, 17, 1-4.	1.6	14
125	Evaluation of Choroidal Thickness, Intraocular Pressure, and Serum Osmolality After the Water Drinking Test in Eyes With Primary Angle Closure. , 2015, 56, 2135.		14
126	Towards automated gonioscopy™: a deep learning algorithm for 360° angle assessment by swept-source optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2022, 106, 1387-1392.	3.9	14

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127	High-Density Lipoprotein 3 Cholesterol and Primary Open-Angle Glaucoma. <i>Ophthalmology</i> , 2022, 129, 285-294.	5.2	13
128	Handheld chromatic pupillometry can accurately and rapidly reveal functional loss in glaucoma. <i>British Journal of Ophthalmology</i> , 2023, 107, 663-670.	3.9	13
129	Crowdsourcing to Evaluate Fundus Photographs for the Presence of Glaucoma. <i>Journal of Glaucoma</i> , 2017, 26, 505-510.	1.6	12
130	Factors affecting the diagnostic performance of circumpapillary retinal nerve fibre layer measurement in glaucoma. <i>British Journal of Ophthalmology</i> , 2021, 105, 397-402.	3.9	12
131	Demonstration of Angle Widening Using EyeCam After Laser Peripheral Iridotomy in Eyes With Angle Closure. <i>American Journal of Ophthalmology</i> , 2010, 149, 903-907.	3.3	11
132	Optic Disc Dimensions and Cup-Disc Ratios among Healthy South Indians: The Chennai Glaucoma Study. <i>Ophthalmic Epidemiology</i> , 2011, 18, 189-197.	1.7	11
133	Anterior chamber angle classification using multiscale histograms of oriented gradients for glaucoma subtype identification. , 2012, 2012, 3167-70.		11
134	Automated Analysis of Angle Closure From Anterior Chamber Angle Images. , 2014, 55, 7669.		11
135	Author Response: Peripapillary Suprachoroidal Cavitation, Parapapillary Gamma Zone and Optic Disc Rotation Due to the Biomechanics of the Optic Nerve Dura Mater. , 2016, 57, 4374.		11
136	Optical sectioning and high resolution visualization of trabecular meshwork using Bessel beam assisted light sheet fluorescence microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201900048.	2.3	11
137	Automatic anterior chamber angle structure segmentation in AS-OCT image based on label transfer. , 2016, 2016, 1288-1291.		10
138	Comparison of pulsatile ocular blood flow in Indians and Europeans. <i>Eye</i> , 2005, 19, 1163-1168.	2.1	9
139	Transforming Growth Factor β 2-1 Δ 509C>T Polymorphism in Indian Patients with Primary Open Angle Glaucoma. <i>Molecular Diagnosis and Therapy</i> , 2007, 11, 151-154.	3.8	9
140	Automatic measurements of choroidal thickness in EDI-OCT images. , 2012, 2012, 5360-3.		9
141	Automatic notch detection in retinal images. , 2013, , .		9
142	Validity of a new optic disc grading software for use in clinical and epidemiological research. <i>Clinical and Experimental Ophthalmology</i> , 2013, 41, 842-852.	2.6	9
143	A Comparison of Participants and Non-Participants in the Chennai Glaucoma Studyâ€”Rural Population. <i>Ophthalmic Epidemiology</i> , 2005, 12, 125-132.	1.7	8
144	Note: A gel based imaging technique of the iridocorneal angle for evaluation of angle-closure glaucoma. <i>Review of Scientific Instruments</i> , 2014, 85, 066105.	1.3	8

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145	Imaging of trabecular meshwork using Bessel-Gauss light sheet with fluorescence. <i>Laser Physics Letters</i> , 2017, 14, 035602.	1.4	8
146	Protective Action of Linear Polyethylenimine against <i>Staphylococcus aureus</i> Colonization and Exaggerated Inflammation <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Infectious Diseases</i> , 2019, 5, 1411-1422.	3.8	8
147	Effects of low and moderate refractive errors on chromatic pupillometry. <i>Scientific Reports</i> , 2019, 9, 4945.	3.3	8
148	Effect of Cataract Surgery with Intraocular Lens Implant on Frequency Doubling Perimetry. <i>Current Eye Research</i> , 2005, 30, 123-128.	1.5	7
149	Can Intraocular Pressure Asymmetry Indicate Undiagnosed Primary Glaucoma? The Chennai Glaucoma Study. <i>Journal of Glaucoma</i> , 2013, 22, 31-35.	1.6	7
150	Structural Differences in the Optic Nerve Head of Glaucoma Patients With and Without Disc Hemorrhages. <i>Journal of Glaucoma</i> , 2016, 25, e76-e81.	1.6	7
151	Noninvasive and Noncontact Sequential Imaging of the Iridocorneal Angle and the Cornea of the Eye. <i>Translational Vision Science and Technology</i> , 2020, 9, 1.	2.2	7
152	Evaluation of meridional scans for angle closure assessment with anterior segment swept-source optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2021, 105, 131-134.	3.9	7
153	Determinants of lamina cribrosa depth in healthy Asian eyes: the Singapore Epidemiology Eye Study. <i>British Journal of Ophthalmology</i> , 2021, 105, 367-373.	3.9	7
154	Postphacoemulsification endophthalmitis – role of residual debris in the handsets used for surgery. <i>Eye</i> , 2005, 19, 115-116.	2.1	6
155	Changes in anterior segment dimensions over 4 years in a cohort of Singaporean subjects with open angles. <i>British Journal of Ophthalmology</i> , 2015, 99, 1097-1102.	3.9	6
156	Association of iris crypts with acute primary angle closure. <i>British Journal of Ophthalmology</i> , 2017, 101, 1318-1322.	3.9	6
157	Angle closure extent, anterior segment dimensions and intraocular pressure. <i>British Journal of Ophthalmology</i> , 2023, 107, 927-934.	3.9	6
158	An ensembling approach for optic cup detection based on spatial heuristic analysis in retinal fundus images. , 2012, 2012, 1426-9.		5
159	A simple and non-contact optical imaging probe for evaluation of corneal diseases. <i>Review of Scientific Instruments</i> , 2015, 86, 093702.	1.3	5
160	High frequency plant regeneration from the mature seeds of <i>Garcinia indica</i> . <i>Biologia Plantarum</i> , 2011, 55, 554-558.	1.9	4
161	Pupillary responses to light are not affected by narrow irido-corneal angles. <i>Scientific Reports</i> , 2017, 7, 10190.	3.3	4
162	Intraocular pressure change after phacoemulsification in angle-closure eyes without medical therapy. <i>Journal of Cataract and Refractive Surgery</i> , 2017, 43, 767-773.	1.5	4

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163	Investigating the neuroprotective effect of Copolymerâ€” in acute primary angle closure â€” Interim report of a randomized placeboâ€”controlled doubleâ€”masked clinical trial. Acta Ophthalmologica, 2019, 97, e827-e832.	1.1	4
164	Association Between Structure-function Characteristics and Visual Field Outcomes in Glaucoma Subjects With Intraocular Pressure Reduction After Trabeculectomy. Journal of Glaucoma, 2020, 29, 648-655.	1.6	4
165	Agreement between two Goldmann type applanation tonometers. Indian Journal of Ophthalmology, 2008, 56, 516.	1.1	4
166	Axial Alignment for Anterior Segment Swept Source Optical Coherence Tomography via Robust Low-Rank Tensor Recovery. Lecture Notes in Computer Science, 2016, , 441-449.	1.3	4
167	Efficient optic cup localization using regional propagation based on retinal structure priors. , 2012, 2012, 1430-3.		3
168	Translational Medicine in the Era of Social Media: A Survey of Scientific and Clinical Communities. Frontiers in Medicine, 2019, 6, 152.	2.6	3
169	Six-Year Incidence and Risk Factors of Primary Glaucoma in the Singapore Indian Eye Study. Ophthalmology Glaucoma, 2021, 4, 201-208.	1.9	3
170	Local patch reconstruction framework for optic cup localization in glaucoma detection. , 2014, 2014, 5418-21.		2
171	Variation in the morphological characters of the Indian honey bee <i>Apis cerana indica</i> (Fabr.) from northern to southern India. Journal of Apicultural Research, 2016, 55, 221-227.	1.5	2
172	Effect of Pharmacological Pupil Dilatation on Angle Configuration in Untreated Primary Angle Closure Suspects: A Swept Source Anterior Segment Optical Coherence Tomography Study. Journal of Glaucoma, 2020, 29, 521-528.	1.6	2
173	Diagnostic accuracy of swept source optical coherence tomography classification algorithms for detection of gonioscopic angle closure. British Journal of Ophthalmology, 2022, 106, 1716-1721.	3.9	2
174	Comparison of Humphrey MATRIX and Swedish interactive threshold algorithm standard strategy in detecting early glaucomatous visual field loss. Indian Journal of Ophthalmology, 2009, 57, 207.	1.1	2
175	Debris in phacoemulsification handsets. A potential cause of endophthalmitis after cataract surgery?. Indian Journal of Ophthalmology, 2004, 52, 80-1.	1.1	2
176	Non-contact high resolution Bessel beam probe for diagnostic imaging of cornea and trabecular meshwork region in eye. , 2015, , .		1
177	Reply. Ophthalmology, 2016, 123, e53-e54.	5.2	1
178	Morphometrics of the indian honey bee from Tamil Nadu. Indian Journal of Entomology, 2015, 77, 138.	0.1	1
179	Light Sheet Fluorescence Microscopy of the Trabecular Meshwork in Rodent Eyes. , 2020, , .		1
180	High-resolution, non-contact, cellular level imaging of the cornea of the eye in vivo. Optics and Laser Technology, 2022, 150, 107922.	4.6	1

#	ARTICLE	IF	CITATIONS
181	Frosted cylindrical lens induced artefact on Humphrey automated perimetry. Australasian journal of optometry, The, 2006, 89, 26-29.	1.3	0
182	Correspondence. Clinical and Experimental Ophthalmology, 2007, 35, 881-882.	2.6	0
183	Optic disk localization by a robust fusion method. Proceedings of SPIE, 2013, , .	0.8	0
184	Dual-illumination mode, wide-field probe imaging scheme for imaging irido-corneal angle region inside eye. , 2015, , .		0
185	Reply. Ophthalmology, 2016, 123, e50-e51.	5.2	0
186	Investigation of the variability of anterior chamber scan protocol with Cirrus high definition optical coherence tomography. Clinical and Experimental Ophthalmology, 2017, 45, 464-471.	2.6	0
187	Preclinical imaging of iridocorneal angle and fundus using a modified integrated flexible handheld probe. Journal of Medical Imaging, 2017, 4, 026001.	1.5	0
188	Reply. Ophthalmology, 2017, 124, e34-e35.	5.2	0
189	Bessel-Gauss Beam Light Sheet Assisted Fluorescence Imaging of Trabecular Meshwork in the Iridocorneal Region Using Long Working Distance Objectives. , 2019, , .		0
190	Non-contact high resolution Bessel beam probe for diagnostic imaging of cornea and trabecular meshwork region in eye. , 2015, , .		0
191	Contact lens assisted imaging with integrated flexible handheld probe for glaucoma diagnosis. , 2017, , .		0
192	Geometric approach to the design of an imaging probe to evaluate the iridocorneal angle structures. , 2017, , .		0
193	Indirect gonioscopy system for imaging iridocorneal angle of eye. , 2017, , .		0
194	Screening for angle-closure disease in the community: A review. , 0, 1, 34-41.		0