

# Mani Baskaran

## List of Publications by Year in descending order

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Version: 2024-02-01

194  
papers

8,968  
citations

61687

45  
h-index

68831

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195  
all docs

195  
docs citations

195  
times ranked

7540  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Handheld chromatic pupillometry can accurately and rapidly reveal functional loss in glaucoma. British Journal of Ophthalmology, 2023, 107, 663-670.   | 2.1 | 13        |
| 2  | Angle closure extent, anterior segment dimensions and intraocular pressure. British Journal of Ophthalmology, 2023, 107, 927-934.  | 2.1 | 6         |
| 3  | Towards "automated gonioscopy": a deep learning algorithm for 360° angle assessment by swept-source optical coherence tomography. British Journal of Ophthalmology, 2022, 106, 1387-1392.                    | 2.1 | 14        |
| 4  | Diagnostic accuracy of swept source optical coherence tomography classification algorithms for detection of gonioscopic angle closure. British Journal of Ophthalmology, 2022, 106, 1716-1721.               | 2.1 | 2         |
| 5  | The Singapore Asymptomatic Narrow Angles Laser Iridotomy Study. Ophthalmology, 2022, 129, 147-158.   | 2.5 | 37        |
| 6  | High-Density Lipoprotein 3 Cholesterol and Primary Open-Angle Glaucoma. Ophthalmology, 2022, 129, 285-294.   | 2.5 | 13        |
| 7  | Digital Gonioscopy Based on Three-dimensional Anterior-Segment OCT. Ophthalmology, 2022, 129, 45-53.   | 2.5 | 21        |
| 8  | High-resolution, non-contact, cellular level imaging of the cornea of the eye in vivo. Optics and Laser Technology, 2022, 150, 107922.   | 2.2 | 1         |
| 9  | Evaluation of meridional scans for angle closure assessment with anterior segment swept-source optical coherence tomography. British Journal of Ophthalmology, 2021, 105, 131-134.                           | 2.1 | 7         |
| 10 | Factors affecting the diagnostic performance of circumpapillary retinal nerve fibre layer measurement in glaucoma. British Journal of Ophthalmology, 2021, 105, 397-402.                                     | 2.1 | 12        |
| 11 | Six-Year Incidence and Risk Factors of Primary Glaucoma in the Singapore Indian Eye Study. Ophthalmology Glaucoma, 2021, 4, 201-208.   | 0.9 | 3         |
| 12 | Determinants of lamina cribrosa depth in healthy Asian eyes: the Singapore Epidemiology Eye Study. British Journal of Ophthalmology, 2021, 105, 367-373.   | 2.1 | 7         |
| 13 | Changes in Iris Stiffness and Permeability in Primary Angle Closure Glaucoma. , 2021, 62, 29.  |     | 15        |
| 14 | Angle-Closure Detection in Anterior Segment OCT Based on Multilevel Deep Network. IEEE Transactions on Cybernetics, 2020, 50, 3358-3366.   | 6.2 | 48        |
| 15 | Understanding diagnostic disagreement in angle closure assessment between anterior segment optical coherence tomography and gonioscopy. British Journal of Ophthalmology, 2020, 104, 795-799.                | 2.1 | 30        |
| 16 | Recent advances in anterior chamber angle imaging. Eye, 2020, 34, 51-59.   | 1.1 | 26        |
| 17 | Noninvasive and Noncontact Sequential Imaging of the Iridocorneal Angle and the Cornea of the Eye. Translational Vision Science and Technology, 2020, 9, 1.  | 1.1 | 7         |
| 18 | Asian-specific vertical cup-to-disc ratio cutoff for glaucoma screening: An evidence-based recommendation from a multiethnic Asian population. Clinical and Experimental Ophthalmology, 2020, 48, 1210-1218. | 1.3 | 17        |

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|----|--|-----|-----------|
| 19 | Association Between Structure-function Characteristics and Visual Field Outcomes in Glaucoma Subjects With Intraocular Pressure Reduction After Trabeculectomy. <i>Journal of Glaucoma</i> , 2020, 29, 648-655.                    | 0.8 | 4         |
| 20 | In Vivo Measurements of Prelamina and Lamina Cribrosa Biomechanical Properties in Humans. , 2020, 61, 27.  |     | 16        |
| 21 | Effect of Pharmacological Pupil Dilatation on Angle Configuration in Untreated Primary Angle Closure Suspects: A Swept Source Anterior Segment Optical Coherence Tomography Study. <i>Journal of Glaucoma</i> , 2020, 29, 521-528. | 0.8 | 2         |
| 22 | Light Sheet Fluorescence Microscopy of the Trabecular Meshwork in Rodent Eyes. , 2020, , .   |     | 1         |
| 23 | Variation of Peripapillary Scleral Shape With Age. , 2019, 60, 3275.   |     | 22        |
| 24 | 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.                                 | 1.1 | 11        |
| 25 | Bessel-Gauss Beam Light Sheet Assisted Fluorescence Imaging of Trabecular Meshwork in the Iridocorneal Region Using Long Working Distance Objectives. , 2019, , .  |     | 0         |
| 26 | Translational Medicine in the Era of Social Media: A Survey of Scientific and Clinical Communities. <i>Frontiers in Medicine</i> , 2019, 6, 152.   | 1.2 | 3         |
| 27 | Changes in the Anterior Lamina Cribrosa Morphology with Glaucoma Severity. <i>Scientific Reports</i> , 2019, 9, 6612.  | 1.6 | 17        |
| 28 | 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.              | 1.8 | 8         |
| 29 | A Deep Learning System for Automated Angle-Closure Detection in Anterior Segment Optical Coherence Tomography Images. <i>American Journal of Ophthalmology</i> , 2019, 203, 37-45.   | 1.7 | 105       |
| 30 | Effects of low and moderate refractive errors on chromatic pupillometry. <i>Scientific Reports</i> , 2019, 9, 4945.  | 1.6 | 8         |
| 31 | Investigating the neuroprotective effect of Copolymer in acute primary angle closure – Interim report of a randomized placebo-controlled double-masked clinical trial. <i>Acta Ophthalmologica</i> , 2019, 97, e827-e832.          | 0.6 | 4         |
| 32 | Optic Nerve Tortuosity and Globe Proptosis in Normal and Glaucoma Subjects. <i>Journal of Glaucoma</i> , 2019, 28, 691-696.  | 0.8 | 19        |
| 33 | Assessment of Circumferential Angle Closure with Swept-Source Optical Coherence Tomography: a Community Based Study. <i>American Journal of Ophthalmology</i> , 2019, 199, 133-139.  | 1.7 | 21        |
| 34 | 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.   | 1.5 | 18        |
| 35 | Anterior segment optical coherence tomography. <i>Progress in Retinal and Eye Research</i> , 2018, 66, 132-156.  | 7.3 | 297       |
| 36 | Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. <i>Human Molecular Genetics</i> , 2018, 27, 1486-1496.   | 1.4 | 111       |

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|----|---|-----|-----------|
| 37 | 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.                                      | 1.4 | 18        |
| 38 | Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci in Patients with Early Stages of Angle-Closure Disease. <i>Ophthalmology</i> , 2018, 125, 664-670.   | 2.5 | 22        |
| 39 | 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.  | 2.5 | 49        |
| 40 | Effect of acute intraocular pressure elevation on the minimum rim width in normal, ocular hypertensive and glaucoma eyes. <i>British Journal of Ophthalmology</i> , 2018, 102, 131-135.                                     | 2.1 | 23        |
| 41 | Social, health and ocular factors associated with primary open-angle glaucoma amongst Chinese Singaporeans. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 25-34.   | 1.3 | 18        |
| 42 | Role of anterior segment optical coherence tomography in angle-closure disease: a review. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 147-157.   | 1.3 | 23        |
| 43 | 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. <i>PLoS ONE</i> , 2018, 13, e0199134. | 1.1 | 23        |
| 44 | In Vivo Three-Dimensional Lamina Cribrosa Strains in Healthy, Ocular Hypertensive, and Glaucoma Eyes Following Acute Intraocular Pressure Elevation. , 2018, 59, 260.   |     | 40        |
| 45 | Multi-context Deep Network for Angle-Closure Glaucoma Screening in Anterior Segment OCT. <i>Lecture Notes in Computer Science</i> , 2018, , 356-363.  | 1.0 | 25        |
| 46 | Investigation of the variability of anterior chamber scan protocol with Cirrus high definition optical coherence tomography. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 464-471.                            | 1.3 | 0         |
| 47 | New insights into the genetics of primary open-angle glaucoma based on meta-analyses of intraocular pressure and optic disc characteristics.. <i>Human Molecular Genetics</i> , 2017, 26, ddw399.                           | 1.4 | 120       |
| 48 | Association of Baseline Anterior Segment Parameters With the Development of Incident Gonioscopic Angle Closure. <i>JAMA Ophthalmology</i> , 2017, 135, 252.   | 1.4 | 30        |
| 49 | Association of iris crypts with acute primary angle closure. <i>British Journal of Ophthalmology</i> , 2017, 101, 1318-1322.  | 2.1 | 6         |
| 50 | Imaging of trabecular meshwork using Bessel-Gauss light sheet with fluorescence. <i>Laser Physics Letters</i> , 2017, 14, 035602.   | 0.6 | 8         |
| 51 | Preclinical imaging of iridocorneal angle and fundus using a modified integrated flexible handheld probe. <i>Journal of Medical Imaging</i> , 2017, 4, 026001.  | 0.8 | 0         |
| 52 | Segmentation and Quantification for Angle-Closure Glaucoma Assessment in Anterior Segment OCT. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1930-1938.   | 5.4 | 77        |
| 53 | Crowdsourcing to Evaluate Fundus Photographs for the Presence of Glaucoma. <i>Journal of Glaucoma</i> , 2017, 26, 505-510.  | 0.8 | 12        |
| 54 | Reply. <i>Ophthalmology</i> , 2017, 124, e34-e35.   | 2.5 | 0         |

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|----|--|-----|-----------|
| 55 | Verification of a virtual fields method to extract the mechanical properties of human optic nerve head tissues in vivo. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 871-887.  | 1.4 | 40        |
| 56 | Primary angle closure glaucoma (PACG) susceptibility gene PLEKHA7 encodes a novel Rac1/Cdc42 GAP that modulates cell migration and blood-aqueous barrier function. <i>Human Molecular Genetics</i> , 2017, 26, 4011-4027.                            | 1.4 | 21        |
| 57 | Residual Angle Closure One Year After Laser Peripheral Iridotomy in Primary Angle Closure Suspects. <i>American Journal of Ophthalmology</i> , 2017, 183, 111-117.   | 1.7 | 23        |
| 58 | Pupillary responses to light are not affected by narrow irido-corneal angles. <i>Scientific Reports</i> , 2017, 7, 10190.  | 1.6 | 4         |
| 59 | Intraocular pressure change after phacoemulsification in angle-closure eyes without medical therapy. <i>Journal of Cataract and Refractive Surgery</i> , 2017, 43, 767-773.  | 0.7 | 4         |
| 60 | Development and Validation of a Deep Learning System for Diabetic Retinopathy and Related Eye Diseases Using Retinal Images From Multiethnic Populations With Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 2211. | 3.8 | 1,442     |
| 61 | 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        |
| 62 | Similarity regularized sparse group lasso for cup to disc ratio computation. <i>Biomedical Optics Express</i> , 2017, 8, 3763.   | 1.5 | 21        |
| 63 | Disrupted Eye Movements in Preperimetric Primary Open-Angle Glaucoma. , 2017, 58, 2430.  |     | 24        |
| 64 | Contact lens assisted imaging with integrated flexible handheld probe for glaucoma diagnosis. , 2017, , .  |     | 0         |
| 65 | Geometric approach to the design of an imaging probe to evaluate the iridocorneal angle structures. , 2017, , .  |     | 0         |
| 66 | Indirect gonioscopy system for imaging iridocorneal angle of eye. , 2017, , .  |     | 0         |
| 67 | 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        |
| 68 | Shape Changes of the Anterior Lamina Cribrosa in Normal, Ocular Hypertensive, and Glaucomatous Eyes Following Acute Intraocular Pressure Elevation. , 2016, 57, 4869.  |     | 33        |
| 69 | In Vivo 3-Dimensional Strain Mapping Confirms Large Optic Nerve Head Deformations Following Horizontal Eye Movements. , 2016, 57, 5825.  |     | 85        |
| 70 | Finite Element Analysis Predicts Large Optic Nerve Head Strains During Horizontal Eye Movements. , 2016, 57, 2452.   |     | 119       |
| 71 | Biometric Factors Associated With Acute Primary Angle Closure: Comparison of the Affected and Fellow Eye. , 2016, 57, 5320.  |     | 31        |
| 72 | Structural Differences in the Optic Nerve Head of Glaucoma Patients With and Without Disc Hemorrhages. <i>Journal of Glaucoma</i> , 2016, 25, e76-e81.   | 0.8 | 7         |

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|----|---|-----|-----------|
| 73 | High resolution iridocorneal angle imaging system by axicon lens assisted gonioscopy. Scientific Reports, 2016, 6, 30844.   | 1.6 | 35        |
| 74 | Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. Nature Genetics, 2016, 48, 556-562.   | 9.4 | 147       |
| 75 | Reply. Ophthalmology, 2016, 123, e50-e51.   | 2.5 | 0         |
| 76 | Reply. Ophthalmology, 2016, 123, e53-e54.   | 2.5 | 1         |
| 77 | 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.        | 0.7 | 2         |
| 78 | 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.          | 0.8 | 20        |
| 79 | Automatic anterior chamber angle structure segmentation in AS-OCT image based on label transfer. , 2016, 2016, 1288-1291.   |     | 10        |
| 80 | Argon Laser Peripheral Iridoplasty for Primary Angle-Closure Glaucoma. Ophthalmology, 2016, 123, 514-521.   | 2.5 | 29        |
| 81 | Factors influencing the pupillary light reflex in healthy individuals. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 1353-1359.                                      | 1.0 | 28        |
| 82 | Diurnal intraocular pressure fluctuation and its risk factors in angle-closure and open-angle glaucoma. Eye, 2016, 30, 362-368.   | 1.1 | 19        |
| 83 | 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. | 1.7 | 25        |
| 84 | Axial Alignment for Anterior Segment Swept Source Optical Coherence Tomography via Robust Low-Rank Tensor Recovery. Lecture Notes in Computer Science, 2016, , 441-449.                         | 1.0 | 4         |
| 85 | A simple and non-contact optical imaging probe for evaluation of corneal diseases. Review of Scientific Instruments, 2015, 86, 093702.  | 0.6 | 5         |
| 86 | Evaluation of Choroidal Thickness, Intraocular Pressure, and Serum Osmolality After the Water Drinking Test in Eyes With Primary Angle Closure. , 2015, 56, 2135.                               |     | 14        |
| 87 | Determinants of Optical Coherence Tomography–Derived Minimum Neuroretinal Rim Width in a Normal Chinese Population. , 2015, 56, 3337.   |     | 38        |
| 88 | A Global Shape Index to Characterize Anterior Lamina Cribrosa Morphology and Its Determinants in Healthy Indian Eyes. , 2015, 56, 3604.   |     | 47        |
| 89 | Efficacy of Selective Laser Trabeculoplasty in Primary Angle-Closure Glaucoma. JAMA Ophthalmology, 2015, 133, 206.  | 1.4 | 53        |
| 90 | The Prevalence and Types of Glaucoma in an Urban Chinese Population. JAMA Ophthalmology, 2015, 133, 874.  | 1.4 | 100       |

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|-----|--|-----|-----------|
| 91  | Translating Ocular Biomechanics into Clinical Practice: Current State and Future Prospects. <i>Current Eye Research</i> , 2015, 40, 1-18.  | 0.7 | 92        |
| 92  | Dual-illumination mode, wide-field probe imaging scheme for imaging irido-corneal angle region inside eye. , 2015, , .   |     | 0         |
| 93  | A common variant near TGFBR3 is associated with primary open angle glaucoma. <i>Human Molecular Genetics</i> , 2015, 24, 3880-3892.  | 1.4 | 105       |
| 94  | Non-contact high resolution Bessel beam probe for diagnostic imaging of cornea and trabecular meshwork region in eye. , 2015, , .  |     | 1         |
| 95  | Changes in anterior segment dimensions over 4â€¦years in a cohort of Singaporean subjects with open angles. <i>British Journal of Ophthalmology</i> , 2015, 99, 1097-1102.   | 2.1 | 6         |
| 96  | Lamina Cribrosa Visibility Using Optical Coherence Tomography: Comparison of Devices and Effects of Image Enhancement Techniques. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 865-874.   | 3.3 | 86        |
| 97  | Swept-source optical coherence tomography assessment of irisâ€™trabecular contact after phacoemulsification with or without goniosynechialysis in eyes with primary angle closure glaucoma. <i>British Journal of Ophthalmology</i> , 2015, 99, 927-931. | 2.1 | 33        |
| 98  | Serum vitamin D status is associated with the presence but not the severity of primary open angle glaucoma. <i>Maturitas</i> , 2015, 81, 470-474.  | 1.0 | 39        |
| 99  | Peripapillary choroidal thickness assessed using automated choroidal segmentation software in an Asian population. <i>British Journal of Ophthalmology</i> , 2015, 99, 920-926.  | 2.1 | 27        |
| 100 | Integrated flexible handheld probe for imaging and evaluation of iridocorneal angle. <i>Journal of Biomedical Optics</i> , 2015, 20, 016014.   | 1.4 | 16        |
| 101 | Anterior Segment Imaging Predicts Incident Gonioscopic Angle Closure. <i>Ophthalmology</i> , 2015, 122, 2380-2384.   | 2.5 | 41        |
| 102 | Pupillary Responses to High-Irradiance Blue Light Correlate with Glaucoma Severity. <i>Ophthalmology</i> , 2015, 122, 1777-1785.   | 2.5 | 65        |
| 103 | Prevalence, Risk Factors, and Visual Features of Undiagnosed Glaucoma. <i>JAMA Ophthalmology</i> , 2015, 133, 938.   | 1.4 | 74        |
| 104 | A Genetic Variant in TGFBR3-CDC7 Is Associated with Visual Field Progression in Primary Open-Angle Glaucoma Patients from Singapore. <i>Ophthalmology</i> , 2015, 122, 2416-2422.  | 2.5 | 20        |
| 105 | Distribution and Determinants of Choroidal Thickness and Volume Using Automated Segmentation Software in a Population-Based Study. <i>American Journal of Ophthalmology</i> , 2015, 159, 293-301.e3.   | 1.7 | 73        |
| 106 | Morphometrics of the indian honey bee from Tamil Nadu. <i>Indian Journal of Entomology</i> , 2015, 77, 138.  | 0.1 | 1         |
| 107 | Non-contact high resolution Bessel beam probe for diagnostic imaging of cornea and trabecular meshwork region in eye. , 2015, , .  |     | 0         |
| 108 | Genotypeâ€™Phenotype Correlation Analysis for Three Primary Angle Closure Glaucoma-Associated Genetic Polymorphisms. , 2014, 55, 1143.   |     | 17        |

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|-----|---|-----|-----------|
| 109 | Note: A gel based imaging technique of the iridocorneal angle for evaluation of angle-closure glaucoma. Review of Scientific Instruments, 2014, 85, 066105.   | 0.6 | 8         |
| 110 | Automated Analysis of Angle Closure From Anterior Chamber Angle Images. , 2014, 55, 7669.   |     | 11        |
| 111 | Local patch reconstruction framework for optic cup localization in glaucoma detection. , 2014, 2014, 5418-21.   |     | 2         |
| 112 | Qualitative Evaluation of the Iris and Ciliary Body by Ultrasound Biomicroscopy in Subjects With Angle Closure. Journal of Glaucoma, 2014, 23, 583-588.   | 0.8 | 53        |
| 113 | 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.                                     | 1.7 | 25        |
| 114 | Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. Nature Genetics, 2014, 46, 1115-1119.   | 9.4 | 160       |
| 115 | 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. | 1.0 | 29        |
| 116 | Assessment of trabecular meshwork width using swept source optical coherence tomography. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 1587-1592.  | 1.0 | 52        |
| 117 | Swept source optical coherence tomography measurement of the iris's trabecular contact (ITC) index: a new parameter for angle closure. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 1205-1211.      | 1.0 | 50        |
| 118 | Differential Associations of Myopia with Major Age-related Eye Diseases. Ophthalmology, 2013, 120, 284-291.   | 2.5 | 130       |
| 119 | Classification Algorithms Based on Anterior Segment Optical Coherence Tomography Measurements for Detection of Angle Closure. Ophthalmology, 2013, 120, 48-54.  | 2.5 | 71        |
| 120 | Relationship between Intraocular Pressure and Angle Configuration: An Anterior Segment OCT Study. , 2013, 54, 1650.   |     | 29        |
| 121 | Assessment of Circumferential Angle-Closure by the Iris's Trabecular Contact Index with Swept-Source Optical Coherence Tomography. Ophthalmology, 2013, 120, 2226-2231.   | 2.5 | 59        |
| 122 | Automatic notch detection in retinal images. , 2013, , .  |     | 9         |
| 123 | Optic disk localization by a robust fusion method. Proceedings of SPIE, 2013, , .   | 0.8 | 0         |
| 124 | Automatic segmentation of the choroid in enhanced depth imaging optical coherence tomography images. Biomedical Optics Express, 2013, 4, 397.   | 1.5 | 87        |
| 125 | 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.   | 2.1 | 29        |
| 126 | Anterior Segment Optical Coherence Tomography Parameters in Subtypes of Primary Angle Closure. , 2013, 54, 5281.  |     | 80        |



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|-----|---|-----|-----------|
| 127 | Automated anterior chamber angle localization and glaucoma type classification in OCT images. , 2013, 2013, 7380-3.   |     | 16        |
| 128 | Validity of a new optic disc grading software for use in clinical and epidemiological research. Clinical and Experimental Ophthalmology, 2013, 41, 842-852.           | 1.3 | 9         |
| 129 | Can Intraocular Pressure Asymmetry Indicate Undiagnosed Primary Glaucoma? The Chennai Glaucoma Study. Journal of Glaucoma, 2013, 22, 31-35.                           | 0.8 | 7         |
| 130 | Variations in Iris Volume with Physiologic Mydriasis in Subtypes of Primary Angle Closure Glaucoma. , 2013, 54, 708.  |     | 43        |
| 131 | The Prevalence and Types of Glaucoma in an Urban Indian Population: The Singapore Indian Eye Study. , 2013, 54, 4621.   |     | 57        |
| 132 | Comparison of Two Spectral Domain Optical Coherence Tomography Devices for Angle-Closure Assessment. , 2012, 53, 5131.  |     | 36        |
| 133 | Automatic measurements of choroidal thickness in EDI-OCT images. , 2012, 2012, 5360-3.  |     | 9         |
| 134 | Efficient optic cup localization using regional propagation based on retinal structure priors. , 2012, 2012, 1430-3.  |     | 3         |
| 135 | Anterior chamber angle classification using multiscale histograms of oriented gradients for glaucoma subtype identification. , 2012, 2012, 3167-70.                   |     | 11        |
| 136 | In Vivo Analysis of Vectors Involved in Pupil Constriction in Chinese Subjects with Angle Closure. , 2012, 53, 6756.  |     | 23        |
| 137 | Change in Iris Parameters with Physiological Mydriasis. Optometry and Vision Science, 2012, 89, 483-488.  | 0.6 | 16        |
| 138 | Angle Assessment by EyeCam, Goniophotography, and Gonioscopy. Journal of Glaucoma, 2012, 21, 493-497.   | 0.8 | 30        |
| 139 | Clinical Characterization of Young Chinese Myopes With Optic Nerve and Visual Field Changes Resembling Glaucoma. Journal of Glaucoma, 2012, 21, 281-286.              | 0.8 | 17        |
| 140 | Comparison of EyeCam and anterior segment optical coherence tomography in detecting angle closure. Acta Ophthalmologica, 2012, 90, e621-5.                            | 0.6 | 15        |
| 141 | Pupil dynamics in Chinese subjects with angle closure. Graefes Archive for Clinical and Experimental Ophthalmology, 2012, 250, 1353-1359.                             | 1.0 | 22        |
| 142 | An ensembling approach for optic cup detection based on spatial heuristic analysis in retinal fundus images. , 2012, 2012, 1426-9.                                    |     | 5         |
| 143 | Genome-wide association analyses identify three new susceptibility loci for primary angle closure glaucoma. Nature Genetics, 2012, 44, 1142-1146.                     | 9.4 | 196       |
| 144 | Changes in Anterior Segment Morphology after Laser Peripheral Iridotomy: An Anterior Segment Optical Coherence Tomography Study. Ophthalmology, 2012, 119, 1383-1387. | 2.5 | 78        |

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|-----|--|-----|-----------|
| 145 | Imaging of the Iridocorneal Angle with the RTVue Spectral Domain Optical Coherence Tomography. , 2012, 53, 1710.   |     | 25        |
| 146 | Automatic optic disc segmentation with peripapillary atrophy elimination. , 2011, 2011, 6224-7.  |     | 31        |
| 147 | Lens Vault, Thickness, and Position in Chinese Subjects with Angle Closure. Ophthalmology, 2011, 118, 474-479.   | 2.5 | 291       |
| 148 | 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       |
| 149 | Automatic Anterior Chamber Angle Assessment for HD-OCT Images. IEEE Transactions on Biomedical Engineering, 2011, 58, 3242-3249.   | 2.5 | 51        |
| 150 | High frequency plant regeneration from the mature seeds of Garcinia indica. Biologia Plantarum, 2011, 55, 554-558.   | 1.9 | 4         |
| 151 | Optic Disc Dimensions and Cup-Disc Ratios among Healthy South Indians: The Chennai Glaucoma Study. Ophthalmic Epidemiology, 2011, 18, 189-197.   | 0.8 | 11        |
| 152 | Use of EyeCam for Imaging the Anterior Chamber Angle. , 2010, 51, 2993.  |     | 27        |
| 153 | The Chennai glaucoma study: Prevalence and risk factors for glaucoma in cataract operated eyes in urban Chennai. Indian Journal of Ophthalmology, 2010, 58, 243.                                 | 0.5 | 25        |
| 154 | Outcomes of cataract surgery in a rural and urban south Indian population. Indian Journal of Ophthalmology, 2010, 58, 223.   | 0.5 | 28        |
| 155 | Diagnostic Performance of Anterior Chamber Angle Measurements for Detecting Eyes With Narrow Angles. JAMA Ophthalmology, 2010, 128, 1321.  | 2.6 | 137       |
| 156 | Demonstration of Angle Widening Using EyeCam After Laser Peripheral Iridotomy in Eyes With Angle Closure. American Journal of Ophthalmology, 2010, 149, 903-907.                                 | 1.7 | 11        |
| 157 | Determinants of glaucoma awareness and knowledge in urban Chennai. Indian Journal of Ophthalmology, 2009, 57, 355.   | 0.5 | 114       |
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