Tin Aung

List of Publications by Year
in descending order

120	15,831	47409 49	35168 102
papers	citations	h-index	g-index

121	121	121	10050
all docs	docs citations	times ranked	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	Generalisability and performance of an OCT-based deep learning classifier for community-based and hospital-based detection of gonioscopic angle closure. British Journal of Ophthalmology, 2023, 107, 511-517.	2.1	10
3	Angle closure extent, anterior segment dimensions and intraocular pressure. British Journal of Ophthalmology, 2023, 107, 927-934.	2.1	6
4	Utilisation of poor-quality optical coherence tomography scans: adjustment algorithm from the Singapore Epidemiology of Eye Diseases (SEED) study. British Journal of Ophthalmology, 2022, 106, 962-969.	2.1	3
5	Towards â€˜automated gonioscopyâ€™: a deep learning algorithm for 360Â° angle assessment by swept-source optical coherence tomography. British Journal of Ophthalmology, 2022, 106, 1387-1392.	2.1	14
6	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
7	Evaluation of the Diagnostic Performance of Swept-Source Anterior Segment Optical Coherence Tomography in Primary Angle Closure Disease. American Journal of Ophthalmology, 2022, 233, 68-77.	1.7	9
8	The Singapore Asymptomatic Narrow Angles Laser Iridotomy Study. Ophthalmology, 2022, 129, 147-158.	2.5	37
9	Ocular Biometric Risk Factors for Progression of Primary Angle Closure Disease. Ophthalmology, 2022, 129, 267-275.	2.5	36
10	Digital Gonioscopy Based on Three-dimensional Anterior-Segment OCT. Ophthalmology, 2022, 129, 45-53.	2.5	21
11	Association of the CYP39A1 G204E Genetic Variant with Increased Risk of Glaucoma and Blindness in Patients with Exfoliation Syndrome. Ophthalmology, 2022, 129, 406-413.	2.5	4
12	The genetic basis for adult onset glaucoma: Recent advances and future directions. Progress in Retinal and Eye Research, 2022, 90, 101066.	7.3	15
13	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
14	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
15	Changes in Intraocular Pressure and Angle Structure after Dilation in Primary Angle-Closure Suspects with Visually Significant Cataract. Ophthalmology, 2021, 128, 39-47.	2.5	8
16	Association of Rare CYP39A1 Variants With Exfoliation Syndrome Involving the Anterior Chamber of the Eye. JAMA - Journal of the American Medical Association, 2021, 325, 753.	3.8	16
17	Circumferential Assessment of Changes in Anterior Segment Characteristics and Baseline Predictors of Angle Widening After Laser Iridotomy in Caucasian Eyes. Journal of Glaucoma, 2021, 30, 839-845.	0.8	7
18	Anatomic Changes and Predictors of Angle Widening after Laser Peripheral Iridotomy. Ophthalmology, 2021, 128, 1161-1168.	2.5	35

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19	Changes in Iris Stiffness and Permeability in Primary Angle Closure Glaucoma. , 2021, 62, 29.		15
20	Non-optical coherence tomography modalities for assessment of angle closure. Taiwan Journal of Ophthalmology, 2021, .	0.3	1
21	Angle-Closure Detection in Anterior Segment OCT Based on Multilevel Deep Network. IEEE Transactions on Cybernetics, 2020, 50, 3358-3366.	6.2	48
22	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
23	Recent advances in anterior chamber angle imaging. Eye, 2020, 34, 51-59.	1.1	26
24	Anterior Segment Optical Coherence Tomography: Is There a Clinical Role in the Management of Primary Angle Closure Disease?. Journal of Glaucoma, 2020, 29, 60-66.	0.8	11
25	Challenges and Lessons for Managing Glaucoma during COVID-19 Pandemic: Perspectives from Asia. Ophthalmology, 2020, 127, e63-e64.	2.5	23
26	Visual field progression 8 years after trabeculectomy in Asian eyes: results from The Singapore 5-Fluorouracil Study. British Journal of Ophthalmology, 2020, 104, 1690-1696.	2.1	1
27	Anterior Segment Optical Coherence Tomography. Essentials in Ophthalmology, 2020, , 1-17.	0.0	0
28	A Deep Learning System for Automated Angle-Closure Detection in Anterior Segment Optical Coherence Tomography Images. American Journal of Ophthalmology, 2019, 203, 37-45.	1.7	105
29	Laser peripheral iridotomy for the prevention of angle closure: a single-centre, randomised controlled trial. Lancet, The, 2019, 393, 1609-1618.	6.3	175
30	Investigating the neuroprotective effect of Copolymerâ€1 in acute primary angle closure â€“ Interim report of a randomized placeboâ€controlled doubleâ€masked clinical trial. Acta Ophthalmologica, 2019, 97, e827-e832.	0.6	4
31	Assessment of Circumferential Angle Closure with Swept-Source Optical Coherence Tomography: a Community Based Study. American Journal of Ophthalmology, 2019, 199, 133-139.	1.7	21
32	Role of anterior segment optical coherence tomography in angleâ€closure disease: a review. Clinical and Experimental Ophthalmology, 2018, 46, 147-157.	1.3	23
33	Genetics of Exfoliation Syndrome. Journal of Glaucoma, 2018, 27, S12-S14.	0.8	25
34	Investigation of the variability of anterior chamber scan protocol with Cirrus high definition optical coherence tomography. Clinical and Experimental Ophthalmology, 2017, 45, 464-471.	1.3	0
35	Segmentation and Quantification for Angle-Closure Glaucoma Assessment in Anterior Segment OCT. IEEE Transactions on Medical Imaging, 2017, 36, 1930-1938.	5.4	77
36	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. Nature Genetics, 2017, 49, 993-1004.	9.4	114

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37	Glaucoma. Lancet, The, 2017, 390, 2183-2193.	6.3	890
38	Reply. Ophthalmology, 2017, 124, e34-e35.	2.5	0
39	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
40	Biometric Factors Associated With Acute Primary Angle Closure: Comparison of the Affected and Fellow Eye. , 2016, 57, 5320.		31
41	Association of iris surface features with iris parameters assessed by swept-source optical coherence tomography in Asian eyes. British Journal of Ophthalmology, 2016, 100, 1682-1685.	2.1	10
42	Reply. Ophthalmology, 2016, 123, e50-e51.	2.5	0
43	Reply. Ophthalmology, 2016, 123, e53-e54.	2.5	1
44	Changes in Japanese eyes after laser peripheral iridotomy: an anterior segment optical coherence tomography study. Clinical and Experimental Ophthalmology, 2016, 44, 159-165.	1.3	24
45	Argon Laser Peripheral Iridoplasty for Primary Angle-Closure Glaucoma. Ophthalmology, 2016, 123, 514-521.	2.5	29
46	Determinants of pupil diameters and pupil dynamics in an adult Chinese population. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 929-936.	1.0	4
47	Clinical effectiveness of brinzolamide 1%–brimonidine 0.2% fixed combination for primary open-angle glaucoma and ocular hypertension. Clinical Ophthalmology, 2015, 9, 2201.	0.9	20
48	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	1.4	105
49	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. Nature Genetics, 2015, 47, 387-392.	9.4	97
50	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.	2.1	33
51	Angle-closure glaucoma in Asians: comparison of biometric and anterior segment parameters between Japanese and Chinese subjects. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 601-608.	1.0	16
52	Anterior Segment Imaging Predicts Incident Gonioscopic Angle Closure. Ophthalmology, 2015, 122, 2380-2384.	2.5	41
53	Flavonoids and glaucoma: revisiting therapies from the past. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 1839-1840.	1.0	9
54	A Genetic Variant in TGFBR3-CDC7 Is Associated with Visual Field Progression in Primary Open-Angle Glaucoma Patients fromÂSingapore. Ophthalmology, 2015, 122, 2416-2422.	2.5	20

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55	Lens Extraction in Angle Closure Glaucoma. Essentials in Ophthalmology, 2015, , 31-39.	0.0	0
56	ABCC5, a Gene That Influences the Anterior Chamber Depth, Is Associated with Primary Angle Closure Glaucoma. PLoS Genetics, 2014, 10, e1004089.	1.5	68
57	Meta-analysis of genome-wide association studies identifies novel loci that influence cupping and the glaucomatous process. Nature Communications, 2014, 5, 4883.	5.8	89
58	The Pathophysiology and Treatment of Glaucoma. JAMA - Journal of the American Medical Association, 2014, 311, 1901.	3.8	2,572
59	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
60	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
61	Twice-Daily Brinzolamide/Brimonidine Fixed Combination versus Brinzolamide or Brimonidine in Open-Angle Glaucoma or Ocular Hypertension. Ophthalmology, 2014, 121, 2348-2355.	2.5	44
62	Global Prevalence of Glaucoma and Projections of Glaucoma Burden through 2040. Ophthalmology, 2014, 121, 2081-2090.	2.5	4,514
63	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. Nature Genetics, 2014, 46, 1115-1119.	9.4	160
64	Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma. Nature Genetics, 2014, 46, 1126-1130.	9.4	212
65	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
66	Longitudinal Changes of Angle Configuration in Primary Angle-Closure Suspects. Ophthalmology, 2014, 121, 1699-1705.	2.5	84
67	Myopia in Asian Subjects with Primary Angle Closure. Ophthalmology, 2014, 121, 1566-1571.	2.5	45
68	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
69	Swept source optical coherence tomography measurement of the irisâ€“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
70	Subgrouping of Primary Angle-Closure Suspects Based on Anterior Segment Optical Coherence Tomography Parameters. Ophthalmology, 2013, 120, 2525-2531.	2.5	52
71	Classification Algorithms Based on Anterior Segment Optical Coherence Tomography Measurements for Detection of Angle Closure. Ophthalmology, 2013, 120, 48-54.	2.5	71
72	Relationship between Intraocular Pressure and Angle Configuration: An Anterior Segment OCT Study. , 2013, 54, 1650.		29

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73	Assessment of Circumferential Angle-Closure by the Irisâ€“Trabecular Contact Index with Swept-Source Optical Coherence Tomography. Ophthalmology, 2013, 120, 2226-2231.	2.5	59
74	Anterior Segment Optical Coherence Tomography Parameters in Subtypes of Primary Angle Closure. , 2013, 54, 5281.		80
75	Prevalence of Refractive Errors in a Multiethnic Asian Population: The Singapore Epidemiology of Eye Disease Study. , 2013, 54, 2590.		140
76	Comparison of Two Spectral Domain Optical Coherence Tomography Devices for Angle-Closure Assessment. , 2012, 53, 5131.		36
77	Determinants of Ganglion Cellâ€“Inner Plexiform Layer Thickness Measured by High-Definition Optical Coherence Tomography. , 2012, 53, 5853.		118
78	Pupil dynamics in Chinese subjects with angle closure. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 1353-1359.	1.0	22
79	Increased lens vault as a risk factor for angle closure: confirmation in a Japanese population. Graefe's Archive for Clinical and Experimental Ophthalmology, 2012, 250, 1863-1868.	1.0	43
80	Determinants of Angle Width in Chinese Singaporeans. Ophthalmology, 2012, 119, 278-282.	2.5	67
81	Determinants of Anterior Chamber Depth: The Singapore Chinese Eye Study. Ophthalmology, 2012, 119, 1143-1150.	2.5	85
82	Changes in Anterior Segment Morphology after Laser Peripheral Iridotomy: An Anterior Segment Optical Coherence Tomography Study. Ophthalmology, 2012, 119, 1383-1387.	2.5	78
83	Determinants of Lens Vault and Association With Narrow Angles in Patients From Singapore. American Journal of Ophthalmology, 2012, 154, 39-46.	1.7	55
84	Imaging of the Iridocorneal Angle with the RTVue Spectral Domain Optical Coherence Tomography. , 2012, 53, 1710.		25
85	Lens Vault, Thickness, and Position in Chinese Subjects with Angle Closure. Ophthalmology, 2011, 118, 474-479.	2.5	291
86	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
87	Angle closure glaucoma: a mechanistic review. Current Opinion in Ophthalmology, 2011, 22, 96-101.	1.3	162
88	The effectiveness of early lens extraction with intraocular lens implantation for the treatment of primary angle-closure glaucoma (EAGLE): study protocol for a randomized controlled trial. Trials, 2011, 12, 133.	0.7	62
89	Association of Narrow Angles With Anterior Chamber Area and Volume Measured With Anterior-Segment Optical Coherence Tomography. JAMA Ophthalmology, 2011, 129, 569.	2.6	76
90	Genome-wide association studies in Asians confirm the involvement of ATOH7 and TGFBR3, and further identify CARD10 as a novel locus influencing optic disc area. Human Molecular Genetics, 2011, 20, 1864-1872.	1.4	91

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91	Novel anterior-chamber angle measurements by high-definition optical coherence tomography using the Schwalbe line as the landmark. British Journal of Ophthalmology, 2011, 95, 955-959.	2.1	62
92	Evaluation of Scanning Protocols for Imaging the Anterior Chamber Angle With Anterior Segment-Optical Coherence Tomography. Journal of Glaucoma, 2010, 19, 365-368.	0.8	30
93	Diagnostic Performance of Anterior Chamber Angle Measurements for Detecting Eyes With Narrow Angles. JAMA Ophthalmology, 2010, 128, 1321.	2.6	137
94	Quantitative Iris Parameters and Association with Narrow Angles. Ophthalmology, 2010, 117, 11-17.	2.5	167
95	Novel Association of Smaller Anterior Chamber Width with Angle Closure in Singaporeans. Ophthalmology, 2010, 117, 1967-1973.	2.5	151
96	Variation of Angle Parameters in Asians: An Anterior Segment Optical Coherence Tomography Study in a Population of Singapore Malays. , 2009, 50, 2626.		34
97	Methodology of the Singapore Indian Chinese Cohort (SICC) Eye Study: Quantifying ethnic variations in the epidemiology of eye diseases in Asians. Ophthalmic Epidemiology, 2009, 16, 325-336.	0.8	309
98	Plateau Iris in Asian Subjects With Primary Angle Closure Glaucoma. JAMA Ophthalmology, 2009, 127, 1269.	2.6	77
99	Comparison of Gonioscopy and Anterior Segment Ocular Coherence Tomography in Detecting Angle Closure in Different Quadrants of the Anterior Chamber Angle. Ophthalmology, 2008, 115, 769-774.	2.5	221
100	Prevalence of Plateau Iris in Primary Angle Closure Suspects. Ophthalmology, 2008, 115, 430-434.	2.5	131
101	Screening for Narrow Angles in the Singapore Population: Evaluation of New Noncontact Screening Methods. Ophthalmology, 2008, 115, 1720-1727.e2.	2.5	95
102	Determinants of Angle Closure in Older Singaporeans. JAMA Ophthalmology, 2008, 126, 686.	2.6	132
103	Assessment of the Scleral Spur in Anterior Segment Optical Coherence Tomography Images. JAMA Ophthalmology, 2008, 126, 181.	2.6	212
104	Confirmation of the Presence of Uveal Effusion in Asian Eyes With Primary Angle Closure Glaucoma. JAMA Ophthalmology, 2008, 126, 1647.	2.6	74
105	Changes in anterior segment morphology in response to illumination and after laser iridotomy in Asian eyes: an anterior segment OCT study. British Journal of Ophthalmology, 2007, 91, 1485-1489.	2.1	79
106	Detection of Primary Angle Closure Using Anterior Segment Optical Coherence Tomography in Asian Eyes. Ophthalmology, 2007, 114, 33-39.	2.5	287
107	Rationale and Methodology for a Population-Based Study of Eye Diseases in Malay People: The Singapore Malay Eye Study (SiMES). Ophthalmic Epidemiology, 2007, 14, 25-35.	0.8	409
108	Reproducibility of Anterior Chamber Angle Measurements Obtained with Anterior Segment Optical Coherence Tomography. , 2007, 48, 3683.		134

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109	Detection of Narrow Angles and Established Angle Closure In Chinese Residents of Singapore: Potential Screening Tests. American Journal of Ophthalmology, 2006, 141, 896-901.	1.7	59
110	Inferior Corneal Decompensation Following Laser Peripheral Iridotomy in the Superior Iris. American Journal of Ophthalmology, 2006, 142, 166-168.	1.7	41
111	Anterior Chamber Depth and the Risk of Primary Angle Closure in 2 East Asian Populations. JAMA Ophthalmology, 2005, 123, 527.	2.6	185
112	Configuration of the drainage angle, intraocular pressure, and optic disc cupping in subjects with chronic angle-closure glaucoma. Ophthalmology, 2005, 112, 28-32.	2.5	53
113	Degree of angle closure and the intraocular pressureâ€“lowering effect of latanoprost in subjects with chronic angle-closure glaucoma. Ophthalmology, 2005, 112, 267-271.	2.5	38
114	Changes in retinal nerve fiber layer thickness after acute primary angle closure. Ophthalmology, 2004, 111, 1475-1479.	2.5	59
115	Visual field loss from primary angle-closure glaucoma. Ophthalmology, 2004, 111, 1636-1640.	2.5	28
116	Chronic angle-closure with glaucomatous damage. Ophthalmology, 2002, 109, 2227-2231.	2.5	81
117	Investigating the association between OPA1 polymorphisms and glaucoma: comparison between normal tension and high tension primary open angle glaucoma. Human Genetics, 2002, 110, 513-514.	1.8	49
118	Acute primary angle-closure: long-term intraocular pressure outcome in Asian eyes. American Journal of Ophthalmology, 2001, 131, 7-12.	1.7	216
119	The visual field following acute primary angle closure. Acta Ophthalmologica, 2001, 79, 298-300.	0.4	39
120	Long-term clinical course of primary angle-closure glaucoma in an Asian population. Ophthalmology, 2000, 107, 2300-2304.	2.5	188