

# Andrew Kwok-Cheung Lam

## List of Publications by Year in descending order

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94  
papers

2,256  
citations

236833

25  
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243529

44  
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96  
all docs

96  
docs citations

96  
times ranked

1909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corneal Deformation Measurement Using Scheimpflug Noncontact Tonometry. <i>Optometry and Vision Science</i> , 2013, 90, e1-e8.	0.6	197
2	The Influence of Corneal Properties on Rebound Tonometry. <i>Ophthalmology</i> , 2008, 115, 80-84.	2.5	141
3	Intrasession and intersession repeatability of the Pentacam system on posterior corneal assessment in the normal human eye. <i>Journal of Cataract and Refractive Surgery</i> , 2007, 33, 448-454.	0.7	135
4	The repeatability and accuracy of axial length and anterior chamber depth measurements from the IOLMaster™. <i>Ophthalmic and Physiological Optics</i> , 2001, 21, 477-483.	1.0	129
5	Reliability and repeatability of the Pentacam on corneal curvatures. <i>Australasian journal of optometry</i> , The, 2009, 92, 110-118.	0.6	92
6	Comparison of IOP Measurements Between ORA and GAT in Normal Chinese. <i>Optometry and Vision Science</i> , 2007, 84, 909-914.	0.6	77
7	The Performance of Four Different Corneal Topographers on Normal Human Corneas and Its Impact on Orthokeratology Lens Fitting. <i>Optometry and Vision Science</i> , 2002, 79, 175-183.	0.6	76
8	Retinal Nerve Fiber Layer Thickness in Normal Hong Kong Chinese Children Measured With Optical Coherence Tomography. <i>Journal of Glaucoma</i> , 2010, 19, 95-99.	0.8	73
9	Characteristics of Astigmatism as a Function of Age in a Hong Kong Clinical Population. <i>Optometry and Vision Science</i> , 2012, 89, 984-992.	0.6	58
10	Does the Change of Anterior Chamber Depth or/and Episcleral Venous Pressure Cause Intraocular Pressure Change in Postural Variation?. <i>Optometry and Vision Science</i> , 1997, 74, 664-667.	0.6	56
11	The Effect of Age on Ocular Blood Supply Determined by Pulsatile Ocular Blood Flow and Color Doppler Ultrasonography. <i>Optometry and Vision Science</i> , 2003, 80, 305-311.	0.6	55
12	The Usefulness of Waveform Score from the Ocular Response Analyzer. <i>Optometry and Vision Science</i> , 2010, 87, 195-199.	0.6	52
13	The effect of an artificially elevated intraocular pressure on the central corneal curvature. <i>Ophthalmic and Physiological Optics</i> , 1997, 17, 18-24.	1.0	44
14	A pilot study on the corneal biomechanical changes in short-term orthokeratology. <i>Ophthalmic and Physiological Optics</i> , 2009, 29, 464-471.	1.0	43
15	The Effect of Myopic Axial Elongation and Posture on the Pulsatile Ocular Blood Flow in Young Normal Subjects. <i>Optometry and Vision Science</i> , 2002, 79, 300-305.	0.6	35
16	Pentacam pachometry: comparison with non-contact specular microscopy on the central cornea and intersession repeatability on the peripheral cornea. <i>Australasian journal of optometry</i> , The, 2007, 90, 108-114.	0.6	34
17	Posterior corneal curvature change and recovery after 6 months of overnight orthokeratology treatment. <i>Ophthalmic and Physiological Optics</i> , 2010, 30, 274-280.	1.0	34
18	The aging effect on corneal curvature and the validity of Javal's rule in Hong Kong Chinese. <i>Current Eye Research</i> , 1999, 18, 83-90.	0.7	33

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19	Intra-observer and inter-observer variation of Hertel exophthalmometry. <i>Ophthalmic and Physiological Optics</i> , 2009, 29, 472-476.	1.0	33
20	Automatic quantification of superficial foveal avascular zone in optical coherence tomography angiography implemented with deep learning. <i>Visual Computing for Industry, Biomedicine, and Art</i> , 2019, 2, 21.	2.2	32
21	The Corneal-Thickness Profile in Hong Kong Chinese. <i>Cornea</i> , 1998, 17, 384.	0.9	31
22	The effect of an artificially elevated intraocular pressure on the central corneal curvature. <i>Ophthalmic and Physiological Optics</i> , 1997, 17, 18-24.	1.0	30
23	The effect of axial length on ocular blood flow assessment in anisometropes. <i>Ophthalmic and Physiological Optics</i> , 2003, 23, 315-320.	1.0	30
24	High myopes have lower normalised corneal tangent moduli (less "stiff" corneas) than low myopes. <i>Ophthalmic and Physiological Optics</i> , 2017, 37, 42-50.	1.0	28
25	Effect of Proparacaine on Central Corneal Thickness Values. <i>Cornea</i> , 2007, 26, 55-58.	0.9	27
26	Effect of Warm Compress Therapy From Hard-Boiled Eggs on Corneal Shape. <i>Cornea</i> , 2007, 26, 163-167.	0.9	25
27	Repeatability of a novel corneal indentation device for corneal biomechanical measurement. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 455-461.	1.0	25
28	The Roles of Cornea and Axial Length in Corneal Hysteresis among Emmetropes and High Myopes: A Pilot Study. <i>Current Eye Research</i> , 2015, 40, 282-289.	0.7	25
29	The Validity of a New Noncontact Tonometer and Its Comparison with the Goldmann Tonometer. <i>Optometry and Vision Science</i> , 2004, 81, 601-605.	0.6	24
30	Effect of naturally occurring visual acuity differences between two eyes in stereoacuity. <i>Ophthalmic and Physiological Optics</i> , 1996, 16, 189-195.	1.0	23
31	The validity of a digital eyelid tonometer (TGDc-01) and its comparison with Goldmann applanation tonometry - a pilot study. <i>Ophthalmic and Physiological Optics</i> , 2005, 25, 205-210.	1.0	22
32	Impact of Axial Eye Size on Retinal Microvasculature Density in the Macular Region. <i>Journal of Clinical Medicine</i> , 2020, 9, 2539.	1.0	21
33	Effect of naturally occurring visual acuity differences between two eyes in stereoacuity. <i>Ophthalmic and Physiological Optics</i> , 1996, 16, 189-195.	1.0	20
34	The ageing effect on the central posterior corneal radius. <i>Ophthalmic and Physiological Optics</i> , 2000, 20, 63-69.	1.0	18
35	Intra-observer and inter-observer repeatability of Anterior Eye Segment analysis system (EAS-1000) in anterior chamber configuration. <i>Ophthalmic and Physiological Optics</i> , 2002, 22, 552-559.	1.0	18
36	Influence of Short-Term Orthokeratology to Corneal Tangent Modulus: A Randomized Study. <i>Current Eye Research</i> , 2018, 43, 474-481.	0.7	18

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37	Effect of laser in situ keratomileusis on rebound tonometry and Goldmann applanation tonometry. <i>Journal of Cataract and Refractive Surgery</i> , 2010, 36, 631-636.	0.7	17
38	Association between long-term orthokeratology responses and corneal biomechanics. <i>Scientific Reports</i> , 2019, 9, 12566.	1.6	17
39	A pilot study on the measurement of central posterior corneal radius in Hong Kong Chinese using Purkinje image technique. <i>Ophthalmic and Physiological Optics</i> , 1997, 17, 68-74.	1.0	16
40	Corneal volume measures for monitoring contact lens induced corneal swelling: a pilot study. <i>Australasian journal of optometry, The</i> , 2011, 94, 93-97.	0.6	14
41	Benefits of Matching Accommodative Demands to Vergence Demands in a Binocular Head-Mounted Display: A Study on Stereo Fusion Times. <i>Presence: Teleoperators and Virtual Environments</i> , 2011, 20, 545-558.	0.3	14
42	Correction on the distortion of Scheimpflug imaging for dynamic central corneal thickness. <i>Journal of Biomedical Optics</i> , 2015, 20, 056006.	1.4	14
43	A preliminary study on the Ocular Blood Flow (OBF) of Hong Kong Chinese. <i>Ophthalmic and Physiological Optics</i> , 1999, 19, 512-517.	1.0	13
44	Corneal thickness at different reference points from Orbscan II system. <i>Australasian journal of optometry, The</i> , 2003, 86, 230-234.	0.6	13
45	Effect of Breath-Holding on Pulsatile Ocular Blood Flow Measurement in Normal Subjects. <i>Optometry and Vision Science</i> , 2004, 81, 597-600.	0.6	13
46	Corneal Shapes of Chinese Emmetropes and Myopic Astigmats Aged 10 to 45 Years. <i>Optometry and Vision Science</i> , 2013, 90, 1259-1266.	0.6	13
47	Ocular Aberrations and Corneal Shape in Adults with and without Astigmatism. <i>Optometry and Vision Science</i> , 2015, 92, 604-614.	0.6	13
48	Effect of ocular massage on intraocular pressure and corneal biomechanics. <i>Eye</i> , 2007, 21, 1245-1246.	1.1	12
49	Can deep learning improve the automatic segmentation of deep foveal avascular zone in optical coherence tomography angiography?. <i>Biomedical Signal Processing and Control</i> , 2021, 66, 102456.	3.5	12
50	Repeatability of near visual acuity measurement at high and low contrast. <i>Australasian journal of optometry, The</i> , 2008, 91, 447-452.	0.6	11
51	Fall risk in Chinese community-dwelling older adults: A physiological profile assessment study. <i>Geriatrics and Gerontology International</i> , 2016, 16, 259-265.	0.7	11
52	Derivation of corneal flattening factor, p-value. <i>Ophthalmic and Physiological Optics</i> , 1994, 14, 423-427.	1.0	10
53	Crossed and uncrossed stereoacuity at distance and the effect from heterophoria. <i>Ophthalmic and Physiological Optics</i> , 2002, 22, 189-193.	1.0	10
54	Effect of posture and artificial tears on corneal power measurements with a handheld automated keratometer. <i>Journal of Cataract and Refractive Surgery</i> , 2004, 30, 645-652.	0.7	10

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55	IOP variations from sitting to supine postures determined by rebound tonometer. <i>Journal of Optometry</i> , 2013, 6, 95-100.	0.7	10
56	Diurnal Variation of Corneal Tangent Modulus in Normal Chinese. <i>Cornea</i> , 2016, 35, 1600-1604.	0.9	10
57	Comparison of Choroidal Thickness Measurements Using Semiautomated and Manual Segmentation Methods. <i>Optometry and Vision Science</i> , 2020, 97, 121-127.	0.6	10
58	COVID-19: ensuring safe clinical teaching at university optometry schools. <i>Ophthalmic and Physiological Optics</i> , 2021, 41, 144-156.	1.0	10
59	Effect of instrument rotation on handheld keratometry. <i>Journal of Cataract and Refractive Surgery</i> , 2004, 30, 2590-2594.	0.7	9
60	Comparison of near heterophoria tests under varying conditions on an adult sample. <i>Ophthalmic and Physiological Optics</i> , 2005, 25, 162-167.	1.0	9
61	Influence of corneal astigmatism, corneal curvature and meridional differences on corneal hysteresis and corneal resistance factor. <i>Australasian journal of optometry, The</i> , 2011, 94, 418-424.	0.6	9
62	Corneal Sublayer Thickness Measurements with The Nidek ConfoScan 4 (Z Ring). <i>Optometry and Vision Science</i> , 2011, 88, E1240-E1244.	0.6	9
63	In vivo measurement of regional corneal tangent modulus. <i>Scientific Reports</i> , 2017, 7, 14974.	1.6	9
64	A hand-held keratometer. <i>Ophthalmic and Physiological Optics</i> , 1995, 15, 227-230.	1.0	8
65	Application of a modified keratometer in the study of corneal topography on Chinese subjects. <i>Ophthalmic and Physiological Optics</i> , 1996, 16, 130-134.	1.0	8
66	Anterior chamber angle measurement with Anterior Eye Segment analysis system Nidek EAS-1000R: improving the repeatability. <i>Ophthalmic and Physiological Optics</i> , 2003, 23, 423-428.	1.0	8
67	Lower Tear Meniscus Height Measurements Using Keratography and Swept-Source Optical Coherence Tomography and Effect of Fluorescein Instillation Methods. <i>Current Eye Research</i> , 2019, 44, 1203-1208.	0.7	8
68	The effect of mydriasis from phenylephrine on corneal shape. <i>Australasian journal of optometry, The</i> , 2007, 90, 44-48.	0.6	7
69	Repeatability of corneal biomechanical measurements in children wearing spectacles and orthokeratology lenses. <i>Ophthalmic and Physiological Optics</i> , 2012, 32, 349-354.	1.0	7
70	Rigid lens fitting made easier using a modified keratometer. <i>Ophthalmic and Physiological Optics</i> , 1993, 13, 100-101.	1.0	6
71	Multiple scan averaging to yield accurate quantitative analysis of optical coherence tomography angiograms. <i>Scientific Reports</i> , 2020, 10, 6194.	1.6	6
72	Daytime variation of pulsatile ocular blood flow (POBF) in normal Chinese. <i>Australasian journal of optometry, The</i> , 2001, 84, 190-194.	0.6	5

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73	Should Orbscan pachometry be performed before or after Goldmann applanation tonometry?. <i>Ophthalmic and Physiological Optics</i> , 2005, 25, 441-445.	1.0	5
74	Technical Note: How many readings are required for an acceptable accuracy in pulsatile ocular blood flow assessment?. <i>Ophthalmic and Physiological Optics</i> , 2007, 27, 213-219.	1.0	5
75	Dynamic contour tonometry over silicone hydrogel contact lens. <i>Journal of Optometry</i> , 2014, 7, 91-99.	0.7	5
76	Application of a modified keratometer in the study of corneal topography on Chinese subjects. <i>Ophthalmic and Physiological Optics</i> , 1996, 16, 130-134.	1.0	5
77	Could a cycloplegic agent be replaced by a fogging or a corrective lens in the biometric measurement of the crystalline lens?. <i>Ophthalmic and Physiological Optics</i> , 1998, 18, 521-526.	1.0	4
78	Digital measurement of torsional eye movement due to postural change and its effect on reading performance. <i>Current Eye Research</i> , 2000, 21, 763-766.	0.7	4
79	Pentacam anterior chamber parameters in young and middle-aged Chinese. <i>Australasian journal of optometry, The</i> , 2013, 96, 85-91.	0.6	4
80	Hemodynamic and morphological changes of the central retinal artery in myopic eyes. <i>Scientific Reports</i> , 2022, 12, 7104.	1.6	4
81	Three month study of changes in the cornea after computer-determined and conventionally-determined contact lens fitting. <i>Ophthalmic and Physiological Optics</i> , 1994, 14, 59-63.	1.0	3
82	Pulsatile ocular blood flow in patients with asymmetric internal carotid artery stenosis. <i>Australasian journal of optometry, The</i> , 2005, 88, 382-386.	0.6	3
83	Comparison of Ocular Biomechanical Machine Learning Classifiers for Glaucoma Diagnosis. , 2018, , .		3
84	Improving Interobserver Variation in Corneal Sublayer Pachymetry Using ConfoScan4 With Z Ring. <i>Eye and Contact Lens</i> , 2013, 39, 214-219.	0.8	2
85	In vivo measures of anterior scleral resistance in humans with rebound tonometry. <i>Ophthalmic and Physiological Optics</i> , 2020, 40, 472-481.	1.0	2
86	Structural and haemodynamic properties of ocular vasculature in axial myopia. <i>Australasian journal of optometry, The</i> , 2022, 105, 247-262.	0.6	2
87	Fourth nerve palsy with monovision. <i>Australasian journal of optometry, The</i> , 1998, 81, 206-209.	0.6	1
88	The ageing effect on the central posterior corneal radius. <i>Ophthalmic and Physiological Optics</i> , 2000, 20, 63-69.	1.0	1
89	A comparison of the efficiency of surfactant contact lens cleaners in removing eyeliner adherent to various soft contact lenses. <i>Australasian journal of optometry, The</i> , 1991, 74, 175-177.	0.6	0
90	The characteristics of near prism induced fixation disparity curve in Hong Kong Chinese. <i>Ophthalmic and Physiological Optics</i> , 1999, 19, 393-400.	1.0	0

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91	New applications in the corneal topography system. Expert Review of Ophthalmology, 2010, 5, 115-117.	0.3	0
92	Â. Ophthalmic and Physiological Optics, 2021, 41, 632-632.	1.0	0
93	Fixation stability and deviation in optical coherence tomography angiography using soft contact lens correction in myopes. Scientific Reports, 2021, 11, 11791.	1.6	0
94	Effect of caffeine on superficial retinal vasculature of the macula in high myopes using optical coherence tomography angiography â€“ A pilot study. Journal of Optometry, 2022, , .	0.7	0