Pinakin Gunvant

List of Publications by Year
in descending order

61	854	567144 15	610775 24
papers	citations	h-index	g-index

62	62	62	887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of Tonometric Correction Factors. Journal of Glaucoma, 2005, 14, 337-343.	0.8	71
2	Novel Fractal Feature-Based Multiclass Glaucoma Detection and Progression Prediction. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 269-276.	3.9	52
3	Multiparameter Correction Equation for Goldmann Applanation Tonometry. Optometry and Vision Science, 2011, 88, E102-E112.	0.6	47
4	Calpain-1 and calpain-2 play opposite roles in retinal ganglion cell degeneration induced by retinal ischemia/reperfusion injury. Neurobiology of Disease, 2016, 93, 121-128.	2.1	42
5	A Systematic Review of Carotenoids in the Management of Age-Related Macular Degeneration. Antioxidants, 2021, 10, 1255.	2.2	36
6	Analysis of GDx-VCC Polarimetry Data by Wavelet-Fourier Analysis across Glaucoma Stages. , 2005, 46, 2838.		33
7	Reconstruction of 3D surface maps from anterior segment optical coherence tomography images using graph theory and genetic algorithms. Biomedical Signal Processing and Control, 2016, 25, 91-98.	3.5	33
8	Predicting Subsequent Visual Field Loss in Glaucomatous Subjects With Disc Hemorrhage Using Retinal Nerve Fiber Layer Polarimetry. Journal of Glaucoma, 2005, 14, 20-25.	0.8	28
9	Repeatability and reproducibility of the BVI ultrasonic Pachymeter. Eye, 2003, 17, 825-828.	1.1	26
10	Macular pigment optical density: repeatability, intereye correlation, and effect of ocular dominance. Clinical Ophthalmology, 2016, Volume 10, 1671-1678.	0.9	26
11	Predicting individual contrast sensitivity functions from acuity and letter contrast sensitivity measurements. Journal of Vision, 2016, 16, 15.	0.1	25
12	A Systematic Review of Carotenoids in the Management of Diabetic Retinopathy. Nutrients, 2021, 13, 2441.	1.7	24
13	The development of a reference database with the Topcon 3D OCT-1 Maestro. Clinical Ophthalmology, 2018, Volume 12, 849-857.	0.9	21
14	Vertical Cup-to-Disc Ratio: Agreement between Direct Ophthalmoscopic Estimation, Fundus Biomicroscopic Estimation, and Scanning Laser Ophthalmoscopic Measurement. Optometry and Vision Science, 2003, 80, 454-459.	0.6	20
15	Fabry disease: a survey of visual and ocular symptoms. Clinical Ophthalmology, 2014, 8, 1555.	0.9	19
16	Physiologic anisocoria under various lighting conditions. Clinical Ophthalmology, 2018, Volume 12, 85-89.	0.9	18
17	Correction Factors for Goldmann Tonometry. Journal of Glaucoma, 2013, 22, 156-163.	0.8	17
18	Efficacy of Commercially Available Nutritional Supplements: Analysis of Serum Uptake, Macular Pigment Optical Density and Visual Functional Response. Nutrients, 2020, 12, 1321.	1.7	17

#	Article	IF	Citations
19	PRESUMED EALESâ€™ DISEASE WITH NEUROLOGIC INVOLVEMENT. Retina, 2001, 21, 141-145.	1.0	16
20	Tonometry â€“ Past, Present and Future. , 0, , .		16
21	Clinical evaluation of multiparameter correction equations for Goldmann applanation tonometry. Eye, 2013, 27, 621-629.	1.1	16
22	Predicting the necessity of LASIK enhancement after cataract surgery in patients with multifocal IOL implantation. Clinical Ophthalmology, 2011, 5, 1281.	0.9	15
23	Carotenoids in the Management of Glaucoma: A Systematic Review of the Evidence. Nutrients, 2021, 13, 1949.	1.7	14
24	Retinal nerve fiber layer thickness in glaucomatous Nepalese eyes and its relation with visual field sensitivity. Journal of Optometry, 2014, 7, 217-224.	0.7	13
25	Intraeye retinal nerve fiber layer and macular thickness asymmetry measurements for the discrimination of primary open-angle glaucoma and normal tension glaucoma. Journal of Optometry, 2016, 9, 118-125.	0.7	13
26	Effect of Varying Levels of Glare on Contrast Sensitivity Measurements of Young Healthy Individuals Under Photopic and Mesopic Vision. Frontiers in Psychology, 2018, 9, 899.	1.1	13
27	Measurement of Carotenoids in Perifovea using the Macular Pigment Reflectometer. Journal of Visualized Experiments, 2020, , .	0.2	13
28	Comparison of retinal nerve fiber layer and macular thickness for discriminating primary openâ€angle glaucoma and normalâ€tension glaucoma using optical coherence tomography. Australasian journal of optometry, The, 2016, 99, 373-381.	0.6	12
29	Visual Function and Macular Carotenoid Changes in Eyes with Retinal Drusenâ€”An Open Label Randomized Controlled Trial to Compare a Micronized Lipid-Based Carotenoid Liquid Supplementation and AREDS-2 Formula. Nutrients, 2020, 12, 3271.	1.7	12
30	Repeatability and Effects of Sequential Measurements with POBF Tonograph. Optometry and Vision Science, 2004, 81, 794-799.	0.6	10
31	Predicting Visual Field Loss in Ocular Hypertensive Patients Using Wavelet-Fourier Analysis of GDx Scanning Laser Polarimetry. Optometry and Vision Science, 2007, 84, E380-E387.	0.6	10
32	Application of Shape-based Analysis Methods to OCT Retinal Nerve Fiber Layer Data in Glaucoma. Journal of Glaucoma, 2007, 16, 543-548.	0.8	10
33	The Effect of Zeaxanthin on the Visual Acuity of Zebrafish. PLoS ONE, 2015, 10, e0135211.	1.1	10
34	Comparison of pulsatile ocular blood flow in Indians and Europeans. Eye, 2005, 19, 1163-1168.	1.1	9
35	Relationships between central corneal thickness and optic disc topography in eyes with glaucoma, suspicion of glaucoma, or ocular hypertension. Clinical Ophthalmology, 2008, 2, 591.	0.9	9
36	Comparison of Shape-based Analysis of Retinal Nerve Fiber Layer Data Obtained From OCT and GDx-VCC. Journal of Glaucoma, 2009, 18, 464-471.	0.8	9

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37	Macular Pigment Reflectometry: Developing Clinical Protocols, Comparison with Heterochromatic Flicker Photometry and Individual Carotenoid Levels. Nutrients, 2021, 13, 2553.	1.7	9
38	Measuring accurate IOPs: Does correction factor help or hurt?. Clinical Ophthalmology, 2010, 4, 611.	0.9	8
39	Differences in macular pigment optical density across four ethnicities: a comparative study. Therapeutic Advances in Ophthalmology, 2020, 12, 251584142092416.	0.8	8
40	Effect of Proview selfâ€tonometry on pharmaceutical compliance. Australasian journal of optometry, The, 2006, 89, 381-385.	0.6	7
41	Evaluation of some factors affecting the agreement between the Proview Eye Pressure Monitor and the Goldmann applanation tonometer measurements. Australasian journal of optometry, The, 2007, 90, 290-295.	0.6	7
42	Effect of Misalignment between Successive Corneal Videokeratography Maps on the Repeatability of Topography Data. PLoS ONE, 2015, 10, e0139541.	1.1	6
43	Night Vision and Carotenoids (NVC): A Randomized Placebo Controlled Clinical Trial on Effects of Carotenoid Supplementation on Night Vision in Older Adults. Nutrients, 2021, 13, 3191.	1.7	6
44	Evaluation of intraocular pressure estimates obtained using an iCare rebound tonometer. Australasian journal of optometry, The, 2017, 100, 179-183.	0.6	5
45	Atypical Retardation Pattern: Can Performance of Classification be Improved?. Optometry and Vision Science, 2008, 85, E482-E488.	0.6	4
46	Identifying glaucoma with multi-fractal features from optical coherence tomography (OCT). Proceedings of SPIE, 2011, , .	0.8	3
47	Corneal topography matching by iterative registration. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 1154-1167.	1.0	3
48	Macular pigment reflectometry: development and evaluation of a novel clinical device for rapid objective assessment of the macular carotenoids. , 2019, , .		3
49	The effect of central corneal thickness on estimates of the anterior chamber depth. Australasian journal of optometry, The, 2003, 86, 371-375.	0.6	2
50	Efficacy of fractal analysis in identifying glaucomatous damage. Proceedings of SPIE, 2010, , .	0.8	2
51	Feature-based glaucomatous progression prediction using scanning laser polarimetry (SLP) data. , 2011, , .		2
52	Glare and Ocular Diseases. , 0, , .		2
53	Assessing the need and benefits of home tonometers in the management of patients with glaucoma. Clinical Optometry, 2013, , 19.	0.4	1
54	Fabry Disease â€“ Ocular Manifestations and Visual Symptoms. , 0, , .		1

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55	Evaluation of agreement in corneal thickness measurements obtained using optical coherence tomography and ultrasound technique and determination of its specificity in keratoconus screening. Proceedings of SPIE, 2011, , .	0.8	0
56	Diagnostic accuracy of keratoconus using anterior segment optical coherence tomography. Optometry Reports, 2013, 3, 2.	0.2	0
57	Imaging Devices and Glaucoma Management. , 2014, , .		0
58	Multi-line Adaptive Perimetry (MAP): A New Procedure for Quantifying Visual Field Integrity for Rapid Assessment of Macular Diseases. Translational Vision Science and Technology, 2018, 7, 28.	1.1	0
59	Management of Diabetic Eye Disease Using Carotenoids and Nutrients. , 0, , .		0
60	Health Promotion for AMD and the Role of Nutrition. , 0, , .		0
61	Reply to Green-Gomez et al. Comment on â€œRicher et al. Night Vision and Carotenoids (NVC): A Randomized Placebo Controlled Clinical Trial on Effects of Carotenoid Supplementation on Night Vision in Older Adults. Nutrients 2021, 13, 3191â€. Nutrients, 2022, 14, 2770.	1.7	0