

Michael Goldbaum

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

5,999
citations

26
h-index

51
g-index

51
ext. papers

7,565
ext. citations

7.1
avg, IF

5.18
L-index

#	Paper	IF	Citations
50	Predicting Glaucoma before Onset Using Deep Learning. <i>Ophthalmology Glaucoma</i> , 2020 , 3, 262-268	2.2	13
49	Deep Learning Approaches Predict Glaucomatous Visual Field Damage from OCT Optic Nerve Head En Face Images and Retinal Nerve Fiber Layer Thickness Maps. <i>Ophthalmology</i> , 2020 , 127, 346-356	7.3	46
48	GNAQ and PMS1 Mutations Associated with Uveal Melanoma, Ocular Surface Melanosis, and Nevus of Ota. <i>Ocular Oncology and Pathology</i> , 2019 , 5, 267-272	1.6	5
47	Evaluation and accurate diagnoses of pediatric diseases using artificial intelligence. <i>Nature Medicine</i> , 2019 , 25, 433-438	50.5	206
46	Optic nerve head problem. <i>Survey of Ophthalmology</i> , 2019 , 64, 579-583	6.1	2
45	Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning. <i>Cell</i> , 2018 , 172, 1122-1131.e9	56.2	1563
44	Comparison of conventional color fundus photography and multicolor imaging in choroidal or retinal lesions. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2018 , 256, 643-649	3.8	10
43	Ophthalmic manifestations of tuberous sclerosis: a review. <i>Clinical and Experimental Ophthalmology</i> , 2017 , 45, 81-86	2.4	24
42	Visual phenomena perceived during pars plana vitrectomy under peribulbar block and monitored anaesthesia care. <i>British Journal of Ophthalmology</i> , 2016 , 100, 777-81	5.5	0
41	Learning from data: recognizing glaucomatous defect patterns and detecting progression from visual field measurements. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2112-24	5	36
40	Glaucomatous patterns in Frequency Doubling Technology (FDT) perimetry data identified by unsupervised machine learning classifiers. <i>PLoS ONE</i> , 2014 , 9, e85941	3.7	22
39	Association of LIPC and advanced age-related macular degeneration. <i>Eye</i> , 2013 , 27, 265-70; quiz 271	4.4	14
38	Common variant in VEGFA and response to anti-VEGF therapy for neovascular age-related macular degeneration. <i>Current Molecular Medicine</i> , 2013 , 13, 929-34	2.5	29
37	A modified COMS plaque for iris melanoma. <i>Journal of Contemporary Brachytherapy</i> , 2011 , 3, 131-3	1.9	6
36	Assessing susceptibility to age-related macular degeneration with genetic markers and environmental factors. <i>JAMA Ophthalmology</i> , 2011 , 129, 344-51		68
35	Pattern recognition can detect subtle field defects in eyes of HIV individuals without retinitis under HAART. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 491-8	3.8	7
34	Dynamics of the macular hole-silicone oil tamponade interface with patient positioning as imaged by spectral domain-optical coherence tomography. <i>Retina</i> , 2010 , 30, 924-9	3.6	10

33	Combining functional and structural tests improves the diagnostic accuracy of relevance vector machine classifiers. <i>Journal of Glaucoma</i> , 2010 , 19, 167-75	2.1	22
32	Comparison of 4 mg versus 20 mg intravitreal triamcinolone acetonide injections. <i>British Journal of Ophthalmology</i> , 2008 , 92, 810-3	5.5	14
31	Machine learning classifiers in glaucoma. <i>Optometry and Vision Science</i> , 2008 , 85, 396-405	2.1	23
30	Bayesian machine learning classifiers for combining structural and functional measurements to classify healthy and glaucomatous eyes. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 945-53		57
29	Assessing visual field clustering schemes using machine learning classifiers in standard perimetry. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 5582-90		11
28	A Bayesian network based sequential inference for diagnosis of diseases from retinal images. <i>Pattern Recognition Letters</i> , 2005 , 26, 459-470	4.7	15
27	Using unsupervised learning with independent component analysis to identify patterns of glaucomatous visual field defects. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 3676-83		30
26	Unsupervised machine learning with independent component analysis to identify areas of progression in glaucomatous visual fields. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 3684-92		39
25	Relevance vector machine and support vector machine classifier analysis of scanning laser polarimetry retinal nerve fiber layer measurements. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 1322-9		64
24	Confocal scanning laser ophthalmoscopy classifiers and stereophotograph evaluation for prediction of visual field abnormalities in glaucoma-suspect eyes. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 2255-62		53
23	Using unsupervised learning with variational bayesian mixture of factor analysis to identify patterns of glaucomatous visual field defects. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 2596-605		32
22	Late intraocular pressure rise after repeat intravitreal triamcinolone acetonide injections. <i>Seminars in Ophthalmology</i> , 2004 , 19, 119-21	2.4	1
21	Heidelberg retina tomograph measurements of the optic disc and parapapillary retina for detecting glaucoma analyzed by machine learning classifiers. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 3144-51		76
20	Locating the optic nerve in a retinal image using the fuzzy convergence of the blood vessels. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 951-8	11.7	462
19	Foveal hypoplasia demonstrated in vivo with optical coherence tomography. <i>American Journal of Ophthalmology</i> , 2003 , 135, 112-4	4.9	29
18	Comparison of machine learning and traditional classifiers in glaucoma diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2002 , 49, 963-74	5	136
17	Locating blood vessels in retinal images by piecewise threshold probing of a matched filter response. <i>IEEE Transactions on Medical Imaging</i> , 2000 , 19, 203-10	11.7	1285
16	Measurement and classification of retinal vascular tortuosity. <i>International Journal of Medical Informatics</i> , 1999 , 53, 239-52	5.3	209

15	Bilateral endogenous Escherichia coli endophthalmitis in a neonate with meningitis. <i>Retina</i> , 1996 , 16, 341-2	3.6	6
14	Peripheral proliferative retinopathies: an update on angiogenesis, etiologies and management. <i>Survey of Ophthalmology</i> , 1994 , 38, 519-40	6.1	31
13	Magnetic resonance imaging in the evaluation of vitreoretinal disease in eyes with intraocular silicone oil. <i>American Journal of Ophthalmology</i> , 1990 , 110, 366-70	4.9	7
12	Useful adjuncts for vitreoretinal surgery. <i>British Journal of Ophthalmology</i> , 1989 , 73, 435-9	5.5	12
11	Optic neuropathy associated with cryptococcal arachnoiditis in AIDS patients. <i>American Journal of Ophthalmology</i> , 1989 , 107, 523-7	4.9	71
10	Detection of blood vessels in retinal images using two-dimensional matched filters. <i>IEEE Transactions on Medical Imaging</i> , 1989 , 8, 263-9	11.7	1013
9	A new perspective on Bruch's membrane and the retinal pigment epithelium. <i>British Journal of Ophthalmology</i> , 1982 , 66, 17-25	5.5	20
8	The fishmouth phenomenon in retinal detachment. <i>British Journal of Ophthalmology</i> , 1980 , 64, 383-4	5.5	
7	Peripheral proliferative retinopathies. <i>Survey of Ophthalmology</i> , 1980 , 25, 1-14	6.1	37
6	Cryotherapy of proliferative sickle retinopathy, II: triple freeze-thaw cycle. <i>British Journal of Ophthalmology</i> , 1979 , 63, 97-101	5.5	19
5	Retinal depression sign indicating a small retinal infarct. <i>American Journal of Ophthalmology</i> , 1978 , 86, 45-55	4.9	43
4	Macular and perimacular vascular remodelling sickling haemoglobinopathies. <i>British Journal of Ophthalmology</i> , 1976 , 60, 431-53	5.5	54
3	Evolution of the retinal black sunburst in sickling haemoglobinopathies. <i>British Journal of Ophthalmology</i> , 1975 , 59, 710-6	5.5	29
2	Geometric analysis of radial buckling. <i>American Journal of Ophthalmology</i> , 1975 , 79, 958-65	4.9	30
1	Microangiographic changes in the traumatized brain. <i>Acta Radiologica: Diagnosis</i> , 1966 , 5, 341-51		8