

Robert N Weinreb

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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.

425 papers	22,224 citations	79 h-index	133 g-index
472 ext. papers	26,622 ext. citations	5.2 avg, IF	7.14 L-index

#	Paper	IF	Citations
425	The pathophysiology and treatment of glaucoma: a review. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 1901-11	27.4	1511
424	Primary open-angle glaucoma. <i>Lancet, The</i> , 2004 , 363, 1711-20	40	1318
423	Evaluation of retinal nerve fiber layer, optic nerve head, and macular thickness measurements for glaucoma detection using optical coherence tomography. <i>American Journal of Ophthalmology</i> , 2005 , 139, 44-55	4.9	501
422	Comparison of the GDx VCC scanning laser polarimeter, HRT II confocal scanning laser ophthalmoscope, and stratus OCT optical coherence tomograph for the detection of glaucoma. <i>JAMA Ophthalmology</i> , 2004 , 122, 827-37		382
421	Retinal nerve fiber layer imaging with spectral-domain optical coherence tomography: a variability and diagnostic performance study. <i>Ophthalmology</i> , 2009 , 116, 1257-63, 1263.e1-2	7.3	378
420	Twenty-four-hour intraocular pressure pattern associated with early glaucomatous changes. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 1586-90		342
419	Mechanisms of optic nerve damage in primary open angle glaucoma. <i>Survey of Ophthalmology</i> , 1994 , 39, 23-42	6.1	318
418	Optical Coherence Tomography Angiography Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes 2016 , 57, OCT451-9		288
417	Reproducibility of nerve fiber layer thickness measurements by use of optical coherence tomography. <i>Ophthalmology</i> , 2000 , 107, 2278-82	7.3	283
416	Relationship between Optical Coherence Tomography Angiography Vessel Density and Severity of Visual Field Loss in Glaucoma. <i>Ophthalmology</i> , 2016 , 123, 2498-2508	7.3	253
415	Evaluation of the influence of corneal biomechanical properties on intraocular pressure measurements using the ocular response analyzer. <i>Journal of Glaucoma</i> , 2006 , 15, 364-70	2.1	240
414	Common variants at 9p21 and 8q22 are associated with increased susceptibility to optic nerve degeneration in glaucoma. <i>PLoS Genetics</i> , 2012 , 8, e1002654	6	227
413	Evaluation of retinal nerve fiber layer progression in glaucoma: a study on optical coherence tomography guided progression analysis 2010 , 51, 217-22		208
412	Corneal thickness as a risk factor for visual field loss in patients with preperimetric glaucomatous optic neuropathy. <i>American Journal of Ophthalmology</i> , 2003 , 136, 805-13	4.9	203
411	Optic disc change with incipient myopia of childhood. <i>Ophthalmology</i> , 2012 , 119, 21-6.e1-3	7.3	199
410	The African Descent and Glaucoma Evaluation Study (ADAGES): design and baseline data. <i>JAMA Ophthalmology</i> , 2009 , 127, 1136-45		190
409	Adjusting the dose of 5-fluorouracil after filtration surgery to minimize side effects. <i>Ophthalmology</i> , 1987 , 94, 564-70	7.3	178

408	Corneal hysteresis as a risk factor for glaucoma progression: a prospective longitudinal study. <i>Ophthalmology</i> , 2013 , 120, 1533-40	7.3	174
407	Caspase-8 promotes NLRP1/NLRP3 inflammasome activation and IL-1 β production in acute glaucoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11181-6	11.5	172
406	Reversal of lamina cribrosa displacement and thickness after trabeculectomy in glaucoma. <i>Ophthalmology</i> , 2012 , 119, 1359-66	7.3	165
405	Primary open-angle glaucoma. <i>Nature Reviews Disease Primers</i> , 2016 , 2, 16067	51.1	164
404	Visualization of the lamina cribrosa using enhanced depth imaging spectral-domain optical coherence tomography. <i>American Journal of Ophthalmology</i> , 2011 , 152, 87-95.e1	4.9	161
403	Structure-function relationships using confocal scanning laser ophthalmoscopy, optical coherence tomography, and scanning laser polarimetry. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 2889-95		161
402	Regional Comparisons of Optical Coherence Tomography Angiography Vessel Density in Primary Open-Angle Glaucoma. <i>American Journal of Ophthalmology</i> , 2016 , 171, 75-83	4.9	159
401	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016 , 48, 189-94	36.3	159
400	Retinal nerve fiber layer thickness measurements with scanning laser polarimetry predict glaucomatous visual field loss. <i>American Journal of Ophthalmology</i> , 2004 , 138, 592-601	4.9	156
399	Frequency doubling technology perimetry abnormalities as predictors of glaucomatous visual field loss. <i>American Journal of Ophthalmology</i> , 2004 , 137, 863-71	4.9	155
398	Comparison of different spectral domain optical coherence tomography scanning areas for glaucoma diagnosis. <i>Ophthalmology</i> , 2010 , 117, 1692-9, 1699.e1	7.3	150
397	Correlation between office and peak nocturnal intraocular pressures in healthy subjects and glaucoma patients. <i>American Journal of Ophthalmology</i> , 2005 , 139, 320-4	4.9	149
396	Baseline topographic optic disc measurements are associated with the development of primary open-angle glaucoma: the Confocal Scanning Laser Ophthalmoscopy Ancillary Study to the Ocular Hypertension Treatment Study. <i>JAMA Ophthalmology</i> , 2005 , 123, 1188-97		146
395	Peripapillary and Macular Vessel Density in Patients with Glaucoma and Single-Hemifield Visual Field Defect. <i>Ophthalmology</i> , 2017 , 124, 709-719	7.3	144
394	Comparison of the diagnostic accuracies of the Spectralis, Cirrus, and RTVue optical coherence tomography devices in glaucoma. <i>Ophthalmology</i> , 2011 , 118, 1334-9	7.3	144
393	Influence of disease severity and optic disc size on the diagnostic performance of imaging instruments in glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 1008-15		142
392	The structure and function relationship in glaucoma: implications for detection of progression and measurement of rates of change 2012 , 53, 6939-46		140
391	Validation of a predictive model to estimate the risk of conversion from ocular hypertension to glaucoma. <i>JAMA Ophthalmology</i> , 2005 , 123, 1351-60		139

390	Retinal nerve fiber layer imaging with spectral-domain optical coherence tomography: patterns of retinal nerve fiber layer progression. <i>Ophthalmology</i> , 2012 , 119, 1858-66	7.3	136
389	Comparison of machine learning and traditional classifiers in glaucoma diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2002 , 49, 963-74	5	136
388	Deep Retinal Layer Microvasculature Dropout Detected by the Optical Coherence Tomography Angiography in Glaucoma. <i>Ophthalmology</i> , 2016 , 123, 2509-2518	7.3	135
387	Baseline optical coherence tomography predicts the development of glaucomatous change in glaucoma suspects. <i>American Journal of Ophthalmology</i> , 2006 , 142, 576-82	4.9	131
386	Continuous 24-hour monitoring of intraocular pressure patterns with a contact lens sensor: safety, tolerability, and reproducibility in patients with glaucoma. <i>JAMA Ophthalmology</i> , 2012 , 130, 1534-9		128
385	Comparison of the nocturnal effects of once-daily timolol and latanoprost on intraocular pressure. <i>American Journal of Ophthalmology</i> , 2004 , 138, 389-95	4.9	127
384	Performance of Deep Learning Architectures and Transfer Learning for Detecting Glaucomatous Optic Neuropathy in Fundus Photographs. <i>Scientific Reports</i> , 2018 , 8, 16685	4.9	127
383	Efficacy and safety of memantine treatment for reduction of changes associated with experimental glaucoma in monkey, II: Structural measures. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 2640-51		122
382	Rates of retinal nerve fiber layer thinning in glaucoma suspect eyes. <i>Ophthalmology</i> , 2014 , 121, 1350-8	7.3	113
381	Progressive Macula Vessel Density Loss in Primary Open-Angle Glaucoma: A Longitudinal Study. <i>American Journal of Ophthalmology</i> , 2017 , 182, 107-117	4.9	110
380	Reversal of lamina cribrosa displacement after intraocular pressure reduction in open-angle glaucoma. <i>Ophthalmology</i> , 2013 , 120, 553-559	7.3	106
379	Structure and function evaluation (SAFE): I. criteria for glaucomatous visual field loss using standard automated perimetry (SAP) and short wavelength automated perimetry (SWAP). <i>American Journal of Ophthalmology</i> , 2002 , 134, 177-85	4.9	105
378	Longitudinal changes in quality of life and rates of progressive visual field loss in glaucoma patients. <i>Ophthalmology</i> , 2015 , 122, 293-301	7.3	103
377	A randomised, controlled comparison of latanoprostene bunod and latanoprost 0.005% in the treatment of ocular hypertension and open angle glaucoma: the VOYAGER study. <i>British Journal of Ophthalmology</i> , 2015 , 99, 738-45	5.5	103
376	Optic neuropathy induced by experimentally reduced cerebrospinal fluid pressure in monkeys 2014 , 55, 3067-73		103
375	Estimating Optical Coherence Tomography Structural Measurement Floors to Improve Detection of Progression in Advanced Glaucoma. <i>American Journal of Ophthalmology</i> , 2017 , 175, 37-44	4.9	101
374	Impact of age-related change of retinal nerve fiber layer and macular thicknesses on evaluation of glaucoma progression. <i>Ophthalmology</i> , 2013 , 120, 2485-2492	7.3	101
373	Evaluation of retinal nerve fiber layer progression in glaucoma: a comparison between spectral-domain and time-domain optical coherence tomography. <i>Ophthalmology</i> , 2011 , 118, 1558-62	7.3	100

372	Evaluation of retinal nerve fiber layer progression in glaucoma a prospective analysis with neuroretinal rim and visual field progression. <i>Ophthalmology</i> , 2011 , 118, 1551-7	7.3	99
371	Use of progressive glaucomatous optic disk change as the reference standard for evaluation of diagnostic tests in glaucoma. <i>American Journal of Ophthalmology</i> , 2005 , 139, 1010-8	4.9	98
370	Development and Validation of a Deep Learning System to Detect Glaucomatous Optic Neuropathy Using Fundus Photographs. <i>JAMA Ophthalmology</i> , 2019 , 137, 1353-1360	3.9	97
369	Comparison of different spectral domain OCT scanning protocols for diagnosing preperimetric glaucoma 2013 , 54, 3417-25		97
368	Identifying glaucomatous vision loss with visual-function-specific perimetry in the diagnostic innovations in glaucoma study. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 3381-9		97
367	Combining structural and functional testing for detection of glaucoma. <i>Ophthalmology</i> , 2006 , 113, 1593-602	4.9	96
366	24-2 Visual Fields Miss Central Defects Shown on 10-2 Tests in Glaucoma Suspects, Ocular Hypertensives, and Early Glaucoma. <i>Ophthalmology</i> , 2017 , 124, 1449-1456	7.3	95
365	Estimating Lead Time Gained by Optical Coherence Tomography in Detecting Glaucoma before Development of Visual Field Defects. <i>Ophthalmology</i> , 2015 , 122, 2002-9	7.3	94
364	Agreement among spectral-domain optical coherence tomography instruments for assessing retinal nerve fiber layer thickness. <i>American Journal of Ophthalmology</i> , 2011 , 151, 85-92.e1	4.9	93
363	The mechanism of action of prostaglandins on uveoscleral outflow. <i>Current Opinion in Ophthalmology</i> , 2000 , 11, 112-5	5.1	93
362	Diagnostic ability of peripapillary vessel density measurements of optical coherence tomography angiography in primary open-angle and angle-closure glaucoma. <i>British Journal of Ophthalmology</i> , 2017 , 101, 1066-1070	5.5	90
361	A combined index of structure and function for staging glaucomatous damage. <i>JAMA Ophthalmology</i> , 2012 , 130, 1107-16		90
360	Optical Coherence Tomography Angiography Vessel Density in Glaucomatous Eyes with Focal Lamina Cribrosa Defects. <i>Ophthalmology</i> , 2016 , 123, 2309-2317	7.3	90
359	Structure and function evaluation (SAFE): II. Comparison of optic disk and visual field characteristics. <i>American Journal of Ophthalmology</i> , 2003 , 135, 148-54	4.9	89
358	Retinal nerve fiber layer imaging with spectral-domain optical coherence tomography a study on diagnostic agreement with Heidelberg Retinal Tomograph. <i>Ophthalmology</i> , 2010 , 117, 267-74	7.3	86
357	Assessment of choroidal thickness and volume during the water drinking test by swept-source optical coherence tomography. <i>Ophthalmology</i> , 2013 , 120, 2508-2516	7.3	84
356	Retinal nerve fiber layer imaging with spectral-domain optical coherence tomography: interpreting the RNFL maps in healthy myopic eyes 2012 , 53, 7194-200		84
355	Structure-function relationships using the Cirrus spectral domain optical coherence tomograph and standard automated perimetry. <i>Journal of Glaucoma</i> , 2012 , 21, 49-54	2.1	84

354	The relationship between structural and functional alterations in glaucoma: a review. <i>Seminars in Ophthalmology</i> , 2000 , 15, 221-33	2.4	84
353	Is neuroprotection a viable therapy for glaucoma?. <i>JAMA Ophthalmology</i> , 1999 , 117, 1540-4		84
352	African Descent and Glaucoma Evaluation Study (ADAGES): III. Ancestry differences in visual function in healthy eyes. <i>JAMA Ophthalmology</i> , 2010 , 128, 551-9		83
351	Risk of Visual Field Progression in Glaucoma Patients with Progressive Retinal Nerve Fiber Layer Thinning: A 5-Year Prospective Study. <i>Ophthalmology</i> , 2016 , 123, 1201-10	7.3	80
350	Differentiation of parapapillary atrophy using spectral-domain optical coherence tomography. <i>Ophthalmology</i> , 2013 , 120, 1790-7	7.3	80
349	Combining structural and functional measurements to improve detection of glaucoma progression using Bayesian hierarchical models 2011 , 52, 5794-803		80
348	African Descent and Glaucoma Evaluation Study (ADAGES): II. Ancestry differences in optic disc, retinal nerve fiber layer, and macular structure in healthy subjects. <i>JAMA Ophthalmology</i> , 2010 , 128, 541-50		80
347	Change in optic disk topography after trabeculectomy. <i>American Journal of Ophthalmology</i> , 1996 , 122, 690-5	4.9	80
346	Repeatability of vessel density measurements of optical coherence tomography angiography in normal and glaucoma eyes. <i>British Journal of Ophthalmology</i> , 2018 , 102, 352-357	5.5	79
345	Evaluation of retinal and choroidal thickness by swept-source optical coherence tomography: repeatability and assessment of artifacts. <i>American Journal of Ophthalmology</i> , 2014 , 157, 1022-32	4.9	78
344	Primary cilia signaling mediates intraocular pressure sensation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12871-6	11.5	77
343	Racial differences in optic disc topography: baseline results from the confocal scanning laser ophthalmoscopy ancillary study to the ocular hypertension treatment study. <i>JAMA Ophthalmology</i> , 2004 , 122, 22-8		77
342	Detection of progressive retinal nerve fiber layer loss in glaucoma using scanning laser polarimetry with variable corneal compensation 2009 , 50, 1675-81		76
341	The Relationship between intraocular pressure and progressive retinal nerve fiber layer loss in glaucoma. <i>Ophthalmology</i> , 2009 , 116, 1125-33.e1-3	7.3	76
340	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
339	Latanoprostene Bunod 0.024% versus Timolol Maleate 0.5% in Subjects with Open-Angle Glaucoma or Ocular Hypertension: The APOLLO Study. <i>Ophthalmology</i> , 2016 , 123, 965-73	7.3	75
338	Macular and Optic Nerve Head Vessel Density and Progressive Retinal Nerve Fiber Layer Loss in Glaucoma. <i>Ophthalmology</i> , 2018 , 125, 1720-1728	7.3	75
337	Association of CAV1/CAV2 genomic variants with primary open-angle glaucoma overall and by gender and pattern of visual field loss. <i>Ophthalmology</i> , 2014 , 121, 508-16	7.3	73

336	Defects of the lamina cribrosa in eyes with localized retinal nerve fiber layer loss. <i>Ophthalmology</i> , 2014 , 121, 110-118	7.3	73
335	Role of optic nerve imaging in glaucoma clinical practice and clinical trials. <i>American Journal of Ophthalmology</i> , 2008 , 145, 598-603	4.9	73
334	Mapping structural to functional damage in glaucoma with standard automated perimetry and confocal scanning laser ophthalmoscopy. <i>American Journal of Ophthalmology</i> , 1998 , 125, 436-46	4.9	73
333	Peripapillary and Macular Vessel Density in Patients with Primary Open-Angle Glaucoma and Unilateral Visual Field Loss. <i>Ophthalmology</i> , 2018 , 125, 578-587	7.3	73
332	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , 2017 , 49, 993-1004	36.3	72
331	The relationship between intraocular pressure reduction and rates of progressive visual field loss in eyes with optic disc hemorrhage. <i>Ophthalmology</i> , 2010 , 117, 2061-6	7.3	72
330	Determinants of Peripapillary and Macular Vessel Densities Measured by Optical Coherence Tomography Angiography in Normal Eyes. <i>Journal of Glaucoma</i> , 2017 , 26, 491-497	2.1	71
329	Reproducibility of Optical Coherence Tomography Angiography Macular and Optic Nerve Head Vascular Density in Glaucoma and Healthy Eyes. <i>Journal of Glaucoma</i> , 2017 , 26, 851-859	2.1	71
328	Meta-analysis of genome-wide association studies identifies novel loci that influence cupping and the glaucomatous process. <i>Nature Communications</i> , 2014 , 5, 4883	17.4	71
327	Effect of disease severity on the performance of Cirrus spectral-domain OCT for glaucoma diagnosis 2010 , 51, 4104-9		71
326	Recent structural alteration of the peripheral lamina cribrosa near the location of disc hemorrhage in glaucoma 2014 , 55, 2805-15		69
325	A comparison of the diagnostic ability of vessel density and structural measurements of optical coherence tomography in primary open angle glaucoma. <i>PLoS ONE</i> , 2017 , 12, e0173930	3.7	68
324	Effect of signal strength and improper alignment on the variability of stratus optical coherence tomography retinal nerve fiber layer thickness measurements. <i>American Journal of Ophthalmology</i> , 2009 , 148, 249-255.e1	4.9	68
323	Comparing machine learning classifiers for diagnosing glaucoma from standard automated perimetry. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 162-9		68
322	Structure-function relationship in glaucoma using spectral-domain optical coherence tomography. <i>JAMA Ophthalmology</i> , 2011 , 129, 864-71		67
321	Indocyanine green angiography of the peripapillary region in glaucomatous eyes by confocal scanning laser ophthalmoscopy. <i>American Journal of Ophthalmology</i> , 1997 , 123, 657-66	4.9	67
320	Quantitative assessment of the optic nerve head with the laser tomographic scanner. <i>International Ophthalmology</i> , 1989 , 13, 25-9	2.2	66
319	Comparison of Latanoprostene Bunod 0.024% and Timolol Maleate 0.5% in Open-Angle Glaucoma or Ocular Hypertension: The LUNAR Study. <i>American Journal of Ophthalmology</i> , 2016 , 168, 250-259	4.9	64

318	Short-term repeatability of diurnal intraocular pressure patterns in glaucomatous individuals. <i>Ophthalmology</i> , 2011 , 118, 47-51	7.3	64
317	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
316	Effect of image quality on tissue thickness measurements obtained with spectral domain-optical coherence tomography. <i>Optics Express</i> , 2009 , 17, 4019-36	3.3	63
315	Comparing the Rates of Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer Loss in Healthy Eyes and in Glaucoma Eyes. <i>American Journal of Ophthalmology</i> , 2017 , 178, 38-50	4.9	62
314	CDKN2B-AS1 genotype-glaucoma feature correlations in primary open-angle glaucoma patients from the United States. <i>American Journal of Ophthalmology</i> , 2013 , 155, 342-353.e5	4.9	61
313	Optical Coherence Tomography Angiography Macular Vascular Density Measurements and the Central 10-2 Visual Field in Glaucoma. <i>Journal of Glaucoma</i> , 2018 , 27, 481-489	2.1	60
312	Measurement Floors and Dynamic Ranges of OCT and OCT Angiography in Glaucoma. <i>Ophthalmology</i> , 2019 , 126, 980-988	7.3	58
311	Comparing diurnal and nocturnal effects of brinzolamide and timolol on intraocular pressure in patients receiving latanoprost monotherapy. <i>Ophthalmology</i> , 2009 , 116, 449-54	7.3	58
310	Prostaglandin FP agonists alter metalloproteinase gene expression in sclera. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 4368-77		58
309	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
308	Association between progressive retinal nerve fiber layer loss and longitudinal change in quality of life in glaucoma. <i>JAMA Ophthalmology</i> , 2015 , 133, 384-90	3.9	56
307	Diurnal intraocular pressure patterns are not repeatable in the short term in healthy individuals. <i>Ophthalmology</i> , 2010 , 117, 1700-4	7.3	56
306	Structural Change Can Be Detected in Advanced-Glaucoma Eyes 2016 , 57, OCT511-8		56
305	Aqueous Angiography in Living Nonhuman Primates Shows Segmental, Pulsatile, and Dynamic Angiographic Aqueous Humor Outflow. <i>Ophthalmology</i> , 2017 , 124, 793-803	7.3	55
304	Rates of progressive retinal nerve fiber layer loss in glaucoma measured by scanning laser polarimetry. <i>American Journal of Ophthalmology</i> , 2010 , 149, 908-15	4.9	55
303	Differences in visual function and optic nerve structure between healthy eyes of blacks and whites. <i>JAMA Ophthalmology</i> , 2005 , 123, 1547-53		55
302	Aqueous Angiography: Aqueous Humor Outflow Imaging in Live Human Subjects. <i>Ophthalmology</i> , 2017 , 124, 1249-1251	7.3	54
301	Dynamic analysis of iris configuration with anterior segment optical coherence tomography 2010 , 51, 4040-6		54

300	Regional optic nerve damage in experimental mouse glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 4352-8		54
299	A comparison of rates of change in neuroretinal rim area and retinal nerve fiber layer thickness in progressive glaucoma 2010 , 51, 3531-9		53
298	Vessel Density and Structural Measurements of Optical Coherence Tomography in Primary Angle Closure and Primary Angle Closure Glaucoma. <i>American Journal of Ophthalmology</i> , 2017 , 177, 106-115	4.9	52
297	Diagnostic ability of retinal nerve fiber layer imaging by swept-source optical coherence tomography in glaucoma. <i>American Journal of Ophthalmology</i> , 2015 , 159, 193-201	4.9	52
296	Sustained effect of travoprost on diurnal and nocturnal intraocular pressure. <i>American Journal of Ophthalmology</i> , 2006 , 141, 1131-3	4.9	52
295	Asymmetry of right versus left intraocular pressures over 24 hours in glaucoma patients. <i>Ophthalmology</i> , 2006 , 113, 425-30	7.3	52
294	Comparing neural networks and linear discriminant functions for glaucoma detection using confocal scanning laser ophthalmoscopy of the optic disc. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 3444-54		52
293	The importance of models in glaucoma research. <i>Journal of Glaucoma</i> , 2005 , 14, 302-4	2.1	51
292	Macula Vessel Density and Thickness in Early Primary Open-Angle Glaucoma. <i>American Journal of Ophthalmology</i> , 2019 , 199, 120-132	4.9	51
291	Conjunctival and Intrasccleral Vasculatures Assessed Using Anterior Segment Optical Coherence Tomography Angiography in Normal Eyes. <i>American Journal of Ophthalmology</i> , 2018 , 196, 1-9	4.9	50
290	Oral Memantine for the Treatment of Glaucoma: Design and Results of 2 Randomized, Placebo-Controlled, Phase 3 Studies. <i>Ophthalmology</i> , 2018 , 125, 1874-1885	7.3	50
289	Relationship between ganglion cell layer thickness and estimated retinal ganglion cell counts in the glaucomatous macula. <i>Ophthalmology</i> , 2014 , 121, 2371-9	7.3	50
288	Diurnal and nocturnal effects of brimonidine monotherapy on intraocular pressure. <i>Ophthalmology</i> , 2010 , 117, 2075-9	7.3	50
287	Optic Nerve Head Deformation in Glaucoma: A Prospective Analysis of Optic Nerve Head Surface and Lamina Cribrosa Surface Displacement. <i>Ophthalmology</i> , 2015 , 122, 1317-29	7.3	49
286	Efficacy of a contact lens sensor for monitoring 24-h intraocular pressure related patterns. <i>PLoS ONE</i> , 2015 , 10, e0125530	3.7	49
285	Assessment of choroidal thickness in healthy and glaucomatous eyes using swept source optical coherence tomography. <i>PLoS ONE</i> , 2014 , 9, e109683	3.7	49
284	The NEIGHBOR consortium primary open-angle glaucoma genome-wide association study: rationale, study design, and clinical variables. <i>Journal of Glaucoma</i> , 2013 , 22, 517-25	2.1	49
283	Retinal Nerve Fiber Layer Features Identified by Unsupervised Machine Learning on Optical Coherence Tomography Scans Predict Glaucoma Progression 2018 , 59, 2748-2756		48

282	Effect of laser trabeculoplasty on nocturnal intraocular pressure in medically treated glaucoma patients. <i>Ophthalmology</i> , 2007 , 114, 666-70	7.3	48
281	Long-term Safety and Efficacy of Latanoprostene Bunod 0.024% in Japanese Subjects with Open-Angle Glaucoma or Ocular Hypertension: The JUPITER Study. <i>Advances in Therapy</i> , 2016 , 33, 1612-27	4.1	47
280	Genome-wide analysis of central corneal thickness in primary open-angle glaucoma cases in the NEIGHBOR and GLAUGEN consortia 2012 , 53, 4468-74		46
279	Optic disk topography after medical treatment to reduce intraocular pressure. <i>American Journal of Ophthalmology</i> , 2000 , 130, 280-6	4.9	46
278	Aqueous Angiography-Mediated Guidance of Trabecular Bypass Improves Angiographic Outflow in Human Enucleated Eyes 2016 , 57, 4558-65		46
277	24-h monitoring devices and nyctohemeral rhythms of intraocular pressure. <i>Progress in Retinal and Eye Research</i> , 2016 , 55, 108-148	20.5	46
276	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
275	Corneal Hysteresis and Progressive Retinal Nerve Fiber Layer Loss in Glaucoma. <i>American Journal of Ophthalmology</i> , 2016 , 166, 29-36	4.9	45
274	Diagnostic ability of macular ganglion cell inner plexiform layer measurements in glaucoma using swept source and spectral domain optical coherence tomography. <i>PLoS ONE</i> , 2015 , 10, e0125957	3.7	45
273	Relationships among systemic blood pressure, intraocular pressure, and open-angle glaucoma. <i>Canadian Journal of Ophthalmology</i> , 2008 , 43, 302-7	1.4	45
272	Efficacy of Latanoprostene Bunod 0.024% Compared With Timolol 0.5% in Lowering Intraocular Pressure Over 24 Hours. <i>American Journal of Ophthalmology</i> , 2016 , 169, 249-257	4.9	45
271	Strategies for improving early detection of glaucoma: the combined structure-function index. <i>Clinical Ophthalmology</i> , 2014 , 8, 611-21	2.5	44
270	Aqueous Angiography: Real-Time and Physiologic Aqueous Humor Outflow Imaging. <i>PLoS ONE</i> , 2016 , 11, e0147176	3.7	44
269	Evaluation of progressive neuroretinal rim loss as a surrogate end point for development of visual field loss in glaucoma. <i>Ophthalmology</i> , 2014 , 121, 100-109	7.3	43
268	Latanoprostene Bunod 0.024% in Subjects With Open-angle Glaucoma or Ocular Hypertension: Pooled Phase 3 Study Findings. <i>Journal of Glaucoma</i> , 2018 , 27, 7-15	2.1	42
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