Robert N Weinreb

List of Publications by Year in Descending Order

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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	Gonioscopy-assisted transluminal trabeculotomy in primary congenital glaucoma.. *American Journal of Ophthalmology Case Reports*, **2022**, 25, 101366	1.3	1
424	A Prospective Longitudinal Study to Investigate Corneal Hysteresis as a Risk Factor of Central Visual Field Progression in Glaucoma.. *American Journal of Ophthalmology*, **2022**,	4.9	1
423	The Relationship Between Plasma Tetrahydrocannabinol Levels and Intraocular Pressure in Healthy Adult Subjects.. *Frontiers in Medicine*, **2021**, 8, 736792	4.9	0
422	Performances of machine learning in detecting glaucoma using fundus and retinal optical coherence tomography images: A meta-analysis.. *American Journal of Ophthalmology*, **2021**,	4.9	1
421	Is Diabetes Mellitus a Blessing in Disguise for Primary Open-angle Glaucoma?. *Journal of Glaucoma*, **2021**, 30, 1-4	2.1	1
420	OCT and Glaucoma: Case Review **2021**, 605-630		
419	Nocturnal Variability of Intraocular Pressure Monitored With Contact Lens Sensor Is Associated With Visual Field Loss in Glaucoma. *Journal of Glaucoma*, **2021**, 30, e56-e60	2.1	0
418	Central-most Visual Field Defects in Early Glaucoma. *Journal of Glaucoma*, **2021**, 30, e68-e75	2.1	4
417	Reply. *Ophthalmology*, **2021**,	7.3	
416	Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) RNA in the Human Eye. *Ocular Immunology and Inflammation*, **2021**, 1-7	2.8	
415	Response to Letter to the Editor: Superficial and Deep Macula Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes. *Journal of Glaucoma*, **2021**, 30, 1082-1083	2.1	0
414	Optical Coherence Tomography Angiography and Visual Field Progression in Primary Angle Closure Glaucoma. *Journal of Glaucoma*, **2021**, 30, e61-e67	2.1	6
413	Referenced scans improve the repeatability of optical coherence tomography angiography measurements in normal and glaucoma eyes. *British Journal of Ophthalmology*, **2021**, 105, 1542-1547	5.5	2
412	A hierarchical deep learning approach with transparency and interpretability based on small samples for glaucoma diagnosis. *Npj Digital Medicine*, **2021**, 4, 48	15.7	4
411	Racial Differences in the Rate of Change in Anterior Lamina Cribrosa Surface Depth in the African Descent and Glaucoma Evaluation Study **2021**, 62, 12		1
410	Superficial and Deep Macula Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes. *Journal of Glaucoma*, **2021**, 30, e276-e284	2.1	3
409	Agreement Between 10-2 and 24-2C Visual Field Test Protocols for Detecting Glaucomatous Central Visual Field Defects. *Journal of Glaucoma*, **2021**, 30, e285-e291	2.1	3

408	Deep Learning Estimation of 10-2 and 24-2 Visual Field Metrics Based on Thickness Maps from Macula OCT. *Ophthalmology*, **2021**, 128, 1534-1548	7.3	3
407	Review of glaucoma medication adherence monitoring in the digital health era. *British Journal of Ophthalmology*, **2021**,	5.5	2
406	The influence of axial myopia on optic disc characteristics of glaucoma eyes. *Scientific Reports*, **2021** , 11, 8854	4.9	4
405	Response to Letter to the Editor: Optical Coherence Tomography Angiography and Visual Field Progression in Primary Angle Closure Glaucoma. *Journal of Glaucoma*, **2021**, 30, e375-e376	2.1	
404	Implanted Microsensor Continuous IOP Telemetry Suggests Gaze and Eyelid Closure Effects on IOP-A Preliminary Study **2021**, 62, 8		0
403	A Bibliometric and Mapping Analysis of Glaucoma Research between 1900 and 2019. *Ophthalmology Glaucoma*, **2021**, 5, 16-16	2.2	2
402	Individualized Glaucoma Change Detection Using Deep Learning Auto Encoder-Based Regions of Interest. *Translational Vision Science and Technology*, **2021**, 10, 19	3.3	1
401	Optical Microangiography and Progressive Retinal Nerve Fiber Layer Loss in Primary Open Angle Glaucoma. *American Journal of Ophthalmology*, **2021**, 233, 171-179	4.9	1
400	Weekly and seasonal changes of intraocular pressure measured with an implanted intraocular telemetry sensor. *British Journal of Ophthalmology*, **2021**, 105, 387-391	5.5	4
399	Short-Term and Long-Term Variability of Intraocular Pressure Measured with an Intraocular Telemetry Sensor in Patients with Glaucoma. *Ophthalmology*, **2021**, 128, 227-233	7.3	5
398	Geometric Perfusion Deficits: A Novel OCT Angiography Biomarker for Diabetic Retinopathy Based on Oxygen Diffusion. *American Journal of Ophthalmology*, **2021**, 222, 256-270	4.9	6
397	Central Visual Field Defects in Patients with Distinct Glaucomatous Optic Disc Phenotypes. *American Journal of Ophthalmology*, **2021**, 223, 229-240	4.9	3
396	Comparison of Peripapillary Capillary Density in Glaucoma Patients of African and European Descent. *Ophthalmology Glaucoma*, **2021**, 4, 51-62	2.2	1
395	Changes in Corneal Biomechanics and Glaucomatous Visual Field Loss. *Journal of Glaucoma*, **2021**, 30, e246-e251	2.1	4
394	The effect of daily life activities on intraocular pressure related variations in open-angle glaucoma. *Scientific Reports*, **2021**, 11, 6598	4.9	1
393	Macular Thickness and Microvasculature Loss in Glaucoma Suspect Eyes. *Ophthalmology Glaucoma*, **2021**,	2.2	1
392	Juxtapapillary Deep-Layer Microvasculature Dropout and Retinal Nerve Fiber Layer Thinning in Glaucoma. *American Journal of Ophthalmology*, **2021**, 227, 154-165	4.9	0
391	Standard Reliability and Gaze Tracking Metrics in Glaucoma and Glaucoma Suspects. *American Journal of Ophthalmology*, **2021**, 234, 91-98	4.9	1

390	Optic Nerve Engraftment of Neural Stem Cells **2021**, 62, 30		0
389	Estimated Utility of the Short-term Assessment of Glaucoma Progression Model in Clinical Practice. *JAMA Ophthalmology*, **2021**, 139, 839-846	3.9	1
388	Rates of Retinal Nerve Fiber Layer Thinning in Distinct Glaucomatous Optic Disc Phenotypes in Early Glaucoma. *American Journal of Ophthalmology*, **2021**, 229, 8-17	4.9	
387	Rates of Circumpapillary Retinal Nerve Fiber Layer Thinning and Capillary Density Loss in Glaucomatous Eyes with Disc Hemorrhage. *American Journal of Ophthalmology*, **2021**, 235, 24-31	4.9	0
386	Intraocular Pressure Telemetry for Managing Glaucoma during the COVID-19 Pandemic. *Ophthalmology Glaucoma*, **2021**, 4, 447-453	2.2	4
385	Qualitative Evaluation of the 10-2 and 24-2 Visual Field Tests for Detecting Central Visual Field Abnormalities in Glaucoma. *American Journal of Ophthalmology*, **2021**, 229, 26-33	4.9	1
384	Progressive Thinning of Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer in Glaucoma Eyes with Disc Hemorrhage. *Ophthalmology Glaucoma*, **2021**, 4, 541-549	2.2	2
383	Reversal of a glaucomatous optic disc pit. *American Journal of Ophthalmology Case Reports*, **2021**, 23, 101143	1.3	
382	OCT Angiography Artifacts in Glaucoma. *Ophthalmology*, **2021**, 128, 1426-1437	7.3	8
381	Characteristics of Central Visual Field Progression in Eyes with Optic Disc Hemorrhage. *American Journal of Ophthalmology*, **2021**, 231, 109-119	4.9	2
380	Macular and submacular choroidal microvasculature in patients with primary open-angle glaucoma and high myopia. *British Journal of Ophthalmology*, **2021**,	5.5	1
379	Visual Field Artifacts in Glaucoma With Face Mask Use During the COVID-19 Pandemic. *Journal of Glaucoma*, **2020**, 29, 1184-1188	2.1	6
378	OCT angiography measured changes in the foveal avascular zone area after glaucoma surgery. *British Journal of Ophthalmology*, **2020**,	5.5	3
377	Investigation of associations between Piezo1 mechanoreceptor gain-of-function variants and glaucoma-related phenotypes in humans and mice. *Scientific Reports*, **2020**, 10, 19013	4.9	2
376	Smart Electronic Eyedrop Bottle for Unobtrusive Monitoring of Glaucoma Medication Adherence. *Sensors*, **2020**, 20,	3.8	6
375	Gradient-Boosting Classifiers Combining Vessel Density and Tissue Thickness Measurements for Classifying Early to Moderate Glaucoma. *American Journal of Ophthalmology*, **2020**, 217, 131-139	4.9	9
374	Effects of Study Population, Labeling and Training on Glaucoma Detection Using Deep Learning Algorithms. *Translational Vision Science and Technology*, **2020**, 9, 27	3.3	12
373	The Value of Intraocular Pressure Telemetry in Monitoring the Therapeutic Effect of Glaucoma Medications. *Journal of Glaucoma*, **2020**, 29, e38-e40	2.1	3

372	Disc Hemorrhages Are Associated With the Presence and Progression of Glaucomatous Central Visual Field Defects. *Journal of Glaucoma*, **2020**, 29, 429-434	2.1	8
371	Phase 3, Randomized, 20-Month Study of Bimatoprost Implant in Open-Angle Glaucoma and Ocular Hypertension (ARTEMIS 1). *Ophthalmology*, **2020**, 127, 1627-1641	7.3	24
370	Characteristics of Focal Gamma Zone Parapapillary Atrophy **2020**, 61, 17		6
369	A Randomized Controlled Trial Comparing Subconjunctival Injection to Direct Scleral Application of Mitomycin C in Trabeculectomy. *American Journal of Ophthalmology*, **2020**, 220, 45-52	4.9	5
368	Deep-layer Microvasculature Dropout in Preperimetric Glaucoma Patients. *Journal of Glaucoma*, **2020**, 29, 423-428	2.1	6
367	The Glaucoma Italian Pediatric Study (GIPSy): The Long-term Effect of Topical Latanoprost on Central Corneal Thickness. *Journal of Glaucoma*, **2020**, 29, 441-447	2.1	1
366	The Relationship Between Intraocular Pressure and Rates of Central Versus Peripheral Visual Field Progression. *Journal of Glaucoma*, **2020**, 29, 435-440	2.1	2
365	Diagnostic Ability of Optical Coherence Tomography Angiography Macula Vessel Density for the Diagnosis of Glaucoma Using Difference Scan Sizes. *Journal of Glaucoma*, **2020**, 29, 245-251	2.1	10
364	MicroRNA-19a-PTEN Axis Is Involved in the Developmental Decline of Axon Regenerative Capacity in Retinal Ganglion Cells. *Molecular Therapy - Nucleic Acids*, **2020**, 21, 251-263	10.7	10
363	Correlation Between Office-Hour and Peak Nocturnal Intraocular Pressure in Patients Treated with Prostaglandin Analogs. *American Journal of Ophthalmology*, **2020**, 215, 112-117	4.9	1
362	Accuracy of IOL power calculations in the very elderly. *Eye*, **2020**, 34, 1848-1855	4.4	3
361	Rapid and Accurate Pressure Sensing Device for Direct Measurement of Intraocular Pressure. *Translational Vision Science and Technology*, **2020**, 9, 28	3.3	2
360	Detection of Progression With 10-2 Standard Automated Perimetry: Development and Validation of an Event-Based Algorithm. *American Journal of Ophthalmology*, **2020**, 216, 37-43	4.9	4
359	Use of Virtual Reality Simulation to Identify Vision-Related Disability in Patients With Glaucoma. *JAMA Ophthalmology*, **2020**, 138, 490-498	3.9	8
358	Optical Coherence Tomography Angiography in Glaucoma. *Journal of Glaucoma*, **2020**, 29, 312-321	2.1	40
357	Glaucomatous vertical vessel density asymmetry of the temporal raphe detected with optical coherence tomography angiography. *Scientific Reports*, **2020**, 10, 6845	4.9	4
356	OCT in Glaucoma **2020**, 427-472		
355	Impact of Pupil Dilation on Optical Coherence Tomography Angiography Retinal Microvasculature in Healthy Eyes. *Journal of Glaucoma*, **2020**, 29, 1025-1029	2.1	1

354	Sheath-Preserving Optic Nerve Transection in Rats to Assess Axon Regeneration and Interventions Targeting the Retinal Ganglion Cell Axon. *Journal of Visualized Experiments*, **2020**,	1.6	1
353	Finite element analysis of trans-lamina cribrosa pressure difference on optic nerve head biomechanics: the Beijing Intracranial and Intraocular Pressure Study. *Science China Life Sciences*, **2020**, 63, 1887-1894	8.5	5
352	Segmental differences found in aqueous angiographic-determined high - and low-flow regions of human trabecular meshwork. *Experimental Eye Research*, **2020**, 196, 108064	3.7	4
351	Inhibition of GCK-IV kinases dissociates cell death and axon regeneration in CNS neurons. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 33597-33607	11.5	9
350	Iridocorneal Angle Assessment After Laser Iridotomy With Swept-source Optical Coherence Tomography. *Journal of Glaucoma*, **2020**, 29, 1030-1035	2.1	4
349	Vessel density and retinal nerve fibre layer thickness following acute primary angle closure. *British Journal of Ophthalmology*, **2020**, 104, 1103-1108	5.5	6
348	Review of the measurement and management of 24-hour intraocular pressure in patients with glaucoma. *Survey of Ophthalmology*, **2020**, 65, 171-186	6.1	13
347	Ganglion Cell Complex Thickness and Macular Vessel Density Loss in Primary Open-Angle Glaucoma. *Ophthalmology*, **2020**, 127, 1043-1052	7.3	24
346	Association between Rates of Retinal Nerve Fiber Layer Thinning after Intraocular Pressure-Lowering Procedures and Disc Hemorrhage. *Ophthalmology Glaucoma*, **2020**, 3, 7-13	2.2	2
345	Relationship of Corneal Hysteresis and Anterior Lamina Cribrosa Displacement in Glaucoma. *American Journal of Ophthalmology*, **2020**, 212, 134-143	4.9	4
344	Early removal of senescent cells protects retinal ganglion cells loss in experimental ocular hypertension. *Aging Cell*, **2020**, 19, e13089	9.9	13
343	Intraocular Pressure Measurement in Patients Wearing Filtering Facepiece Masks. *Journal of Glaucoma*, **2020**, 29, 999-1000	2.1	2
342	AIBP protects retinal ganglion cells against neuroinflammation and mitochondrial dysfunction in glaucomatous neurodegeneration. *Redox Biology*, **2020**, 37, 101703	11.3	5
341	Response to: Comparison of Fellow Eye of Acute Primary Angle Closure and Phacomorphic Angle Closure. *Journal of Glaucoma*, **2020**, 29, e35-e36	2.1	
340	Optic nerve head vessel density in different stages of pseudoexfoliation disease. *British Journal of Ophthalmology*, **2020**,	5.5	3
339	Anterior Chamber Angle Assessment Techniques: A Review. *Journal of Clinical Medicine*, **2020**, 9,	5.1	15
338	Capillary Density Measured by Optical Coherence Tomography Angiography in Glaucomatous Optic Disc Phenotypes. *American Journal of Ophthalmology*, **2020**, 219, 261-270	4.9	3
337	COVID-19 Pandemic: Are We Back to Normal?. *Journal of Glaucoma*, **2020**, 29, 611-612	2.1	2

336	Detection of Neurological and Ophthalmological Pathologies with Optical Coherence Tomography Using Retinal Thickness Measurements: A Bibliometric Study. *Applied Sciences (Switzerland)*, **2020**, 10, 5477	2.6	2
335	Long-term follow-up of optic neuropathy in chronic low cerebrospinal fluid pressure monkeys: the Beijing Intracranial and Intraocular Pressure (iCOP) Study. *Science China Life Sciences*, **2020**, 63, 1762-1765	8.5	3
334	Evaluating the neuroprotective impact of senolytic drugs on human vision. *Scientific Reports*, **2020**, 10, 21752	4.9	4
333	Deep Learning Approaches Predict Glaucomatous Visual Field Damage from OCT Optic Nerve Head En Face Images and Retinal Nerve Fiber Layer Thickness Maps. *Ophthalmology*, **2020**, 127, 346-356	7.3	46
332	Specificity of various cluster criteria used for the detection of glaucomatous visual field abnormalities. *British Journal of Ophthalmology*, **2020**, 104, 822-826	5.5	3
331	Loss of AKAP1 triggers Drp1 dephosphorylation-mediated mitochondrial fission and loss in retinal ganglion cells. *Cell Death and Disease*, **2020**, 11, 254	9.8	10
330	Matrix Metalloproteinases and Glaucoma Treatment. *Journal of Ocular Pharmacology and Therapeutics*, **2020**, 36, 208-228	2.6	27
329	Racial Differences in the Association of Anterior Lamina Cribrosa Surface Depth and Glaucoma Severity in the African Descent and Glaucoma Evaluation Study (ADAGES) **2019**, 60, 4496-4502		5
328	24-Hour Intraocular Pressure Control with Fixed-dose Combination Brinzolamide 1%/Brimonidine 0.2%: A Multicenter, Randomized Trial. *Ophthalmology*, **2019**, 126, 1095-1104	7.3	8
327	Development and Validation of a Deep Learning System to Detect Glaucomatous Optic Neuropathy Using Fundus Photographs. *JAMA Ophthalmology*, **2019**, 137, 1353-1360	3.9	97
326	Choroidal Microvascular Dropout in Pseudoexfoliation Glaucoma **2019**, 60, 2146-2151		15
325	Vision-related quality of life and symptom perception change over time in newly-diagnosed primary open angle glaucoma patients. *Scientific Reports*, **2019**, 9, 6735	4.9	6
324	En Face Optical Coherence Tomography Imaging of Beta and Gamma Parapapillary Atrophy in High Myopia. *Ophthalmology Glaucoma*, **2019**, 2, 55-62	2.2	3
323	Prophylactic laser iridotomy in primary angle-closure suspects. *Lancet, The*, **2019**, 393, 1572-1574	40	3
322	Association of Macular and Circumpapillary Microvasculature with Visual Field Sensitivity in Advanced Glaucoma. *American Journal of Ophthalmology*, **2019**, 204, 51-61	4.9	27
321	Measurement Floors and Dynamic Ranges of OCT and OCT Angiography in Glaucoma. *Ophthalmology*, **2019**, 126, 980-988	7.3	58
320	Association Between Lamina Cribrosa Defects and Progressive Retinal Nerve Fiber Layer Loss in Glaucoma. *JAMA Ophthalmology*, **2019**, 137, 425-433	3.9	8
319	Comparing 10-2 and 24-2 Visual Fields for Detecting Progressive Central Visual Loss in Glaucoma Eyes with Early Central Abnormalities. *Ophthalmology Glaucoma*, **2019**, 2, 95-102	2.2	12

318	Changes in Optic Nerve Head Vessel Density After Acute Primary Angle Closure Episode **2019**, 60, 552-558		16
317	Intraocular Pressure Effects and Mechanism of Action of Topical Versus Sustained-Release Bimatoprost. *Translational Vision Science and Technology*, **2019**, 8, 15	3.3	12
316	Repeatability and comparability of peripapillary vessel density measurements of high-density and non-high-density optical coherence tomography angiography scans in normal and glaucoma eyes. *British Journal of Ophthalmology*, **2019**, 103, 949-954	5.5	17
315	Association of a Primary Open-Angle Glaucoma Genetic Risk Score With Earlier Age at Diagnosis. *JAMA Ophthalmology*, **2019**, 137, 1190-1194	3.9	15
314	Machine Learning-Based Predictive Modeling of Surgical Intervention in Glaucoma Using Systemic Data From Electronic Health Records. *American Journal of Ophthalmology*, **2019**, 208, 30-40	4.9	18
313	Cellular and cytoskeletal alterations of scleral fibroblasts in response to glucocorticoid steroids. *Experimental Eye Research*, **2019**, 187, 107774	3.7	2
312	Association of Corneal Hysteresis With Lamina Cribrosa Curvature in Primary Open Angle Glaucoma **2019**, 60, 4171-4177		11
311	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. *JAMA - Journal of the American Medical Association*, **2019**, 322, 1682-1691	27.4	31
310	Association of severity of primary open-angle glaucoma with serum vitamin D levels in patients of African descent. *Molecular Vision*, **2019**, 25, 438-445	2.3	6
309	Ophthalmic Diagnostic Imaging: Glaucoma **2019**, 107-134		2
308	Aqueous Angiographic Outflow Improvement after Trabecular Microbypass in Glaucoma Patients. *Ophthalmology Glaucoma*, **2019**, 2, 11-21	2.2	40
307	Inhibition of cAMP/PKA Pathway Protects Optic Nerve Head Astrocytes against Oxidative Stress by Akt/Bax Phosphorylation-Mediated Mfn1/2 Oligomerization. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 8060962	6.7	8
306	Dynamic Scheimpflug Ocular Biomechanical Parameters in Healthy and Medically Controlled Glaucoma Eyes. *Journal of Glaucoma*, **2019**, 28, 588-592	2.1	10
305	Choroidal Microvascular Dropout in Primary Open-angle Glaucoma Eyes With Disc Hemorrhage. *Journal of Glaucoma*, **2019**, 28, 181-187	2.1	17
304	Episcleral Venous Pressure and the Ocular Hypotensive Effects of Topical and Intracameral Prostaglandin Analogs. *Journal of Glaucoma*, **2019**, 28, 846-857	2.1	14
303	Optical Coherence Tomography Angiography and Glaucoma: A Brief Review. *Asia-Pacific Journal of Ophthalmology*, **2019**, 8,	3.5	10
302	Comparison of Fellow Eyes of Acute Primary Angle Closure and Phacomorphic Angle Closure. *Journal of Glaucoma*, **2019**, 28, 194-200	2.1	10
301	In Reply: Calcium Channel Blockers and Risk of Primary Open-angle Glaucoma. *Journal of Glaucoma*, **2019**, 28, e50	2.1	

300	Parapapillary Deep-Layer Microvasculature Dropout and Visual Field Progression in Glaucoma. *American Journal of Ophthalmology*, **2019**, 200, 65-75	4.9	30
299	Choroidal Microvascular Dropout in Primary Angle Closure Glaucoma. *American Journal of Ophthalmology*, **2019**, 199, 184-192	4.9	15
298	Genetic Architecture of Primary Open-Angle Glaucoma in Individuals of African Descent: The African Descent and Glaucoma Evaluation Study III. *Ophthalmology*, **2019**, 126, 38-48	7.3	22
297	Macula Vessel Density and Thickness in Early Primary Open-Angle Glaucoma. *American Journal of Ophthalmology*, **2019**, 199, 120-132	4.9	51
296	Repeatability and Reproducibility of Corneal Epithelial Thickness Mapping With Spectral-Domain Optical Coherence Tomography in Normal and Diseased Cornea Eyes. *American Journal of Ophthalmology*, **2019**, 197, 88-97	4.9	11
295	The African Descent and Glaucoma Evaluation Study (ADAGES) III: Contribution of Genotype to Glaucoma Phenotype in African Americans: Study Design and Baseline Data. *Ophthalmology*, **2019**, 126, 156-170	7.3	8
294	Macular Vessel Density in Glaucomatous Eyes With Focal Lamina Cribrosa Defects. *Journal of Glaucoma*, **2018**, 27, 342-349	2.1	7
293	Elevated intracellular cAMP exacerbates vulnerability to oxidative stress in optic nerve head astrocytes. *Cell Death and Disease*, **2018**, 9, 285	9.8	14
292	Diagnostic Ability and Structure-function Relationship of Peripapillary Optical Microangiography Measurements in Glaucoma. *Journal of Glaucoma*, **2018**, 27, 219-226	2.1	12
291	Diurnal Variations of Peripapillary and Macular Vessel Density in Glaucomatous Eyes Using Optical Coherence Tomography Angiography. *Journal of Glaucoma*, **2018**, 27, 336-341	2.1	28
290	Optical Coherence Tomography Angiography Macular Vascular Density Measurements and the Central 10-2 Visual Field in Glaucoma. *Journal of Glaucoma*, **2018**, 27, 481-489	2.1	60
289	Reply. *Ophthalmology*, **2018**, 125, e27-e28	7.3	
288	Detection of Glaucoma Progression in Individuals of African Descent Compared With Those of European Descent. *JAMA Ophthalmology*, **2018**, 136, 329-335	3.9	20
287	Relationship of Macular Thickness and Function to Optical Microangiography Measurements in Glaucoma. *Journal of Glaucoma*, **2018**, 27, 210-218	2.1	8
286	Progression of Primary Open-Angle Glaucoma in Diabetic and Nondiabetic Patients. *American Journal of Ophthalmology*, **2018**, 189, 1-9	4.9	17
285	Lamina Cribrosa Morphology Predicts Progressive Retinal Nerve Fiber Layer Loss In Eyes with Suspected Glaucoma. *Scientific Reports*, **2018**, 8, 738	4.9	24
284	Latanoprostene Bunod 0.024% in Subjects With Open-angle Glaucoma or Ocular Hypertension: Pooled Phase 3 Study Findings. *Journal of Glaucoma*, **2018**, 27, 7-15	2.1	42
283	Baseline 24-2 Central Visual Field Damage Is Predictive of Global Progressive Field Loss. *American Journal of Ophthalmology*, **2018**, 187, 92-98	4.9	13

282	Visual field loss and vision-related quality of life in the Italian Primary Open Angle Glaucoma Study. *Scientific Reports*, **2018**, 8, 619	4.9	21
281	A Longitudinal Analysis of Peripapillary Choroidal Thinning in Healthy and Glaucoma Subjects. *American Journal of Ophthalmology*, **2018**, 186, 89-95	4.9	13
280	The Association Between Macula and ONH Optical Coherence Tomography Angiography (OCT-A) Vessel Densities in Glaucoma, Glaucoma Suspect, and Healthy Eyes. *Journal of Glaucoma*, **2018**, 27, 227-232	2.1	24
279	Inter-eye Asymmetry of Optical Coherence Tomography Angiography Vessel Density in Bilateral Glaucoma, Glaucoma Suspect, and Healthy Eyes. *American Journal of Ophthalmology*, **2018**, 190, 69-77	4.9	39
278	Diagnostic Abilities of the Optical Microangiography Parameters of the 3□ mm and 6□ mm Macular Scans in Glaucoma. *Journal of Glaucoma*, **2018**, 27, 496-503	2.1	14
277	Reply. *Ophthalmology*, **2018**, 125, e22-e23	7.3	
276	Repeatability of vessel density measurements of optical coherence tomography angiography in normal and glaucoma eyes. *British Journal of Ophthalmology*, **2018**, 102, 352-357	5.5	79
275	Structural and functional imaging of aqueous humour outflow: a review. *Clinical and Experimental Ophthalmology*, **2018**, 46, 158-168	2.4	34
274	Retinal Nerve Fiber Layer Features Identified by Unsupervised Machine Learning on Optical Coherence Tomography Scans Predict Glaucoma Progression **2018**, 59, 2748-2756		48
273	Classification of primary angle closure spectrum with hierarchical cluster analysis. *PLoS ONE*, **2018**, 13, e0199157	3.7	13
272	Use of Machine Learning on Contact Lens Sensor-Derived Parameters for the Diagnosis of Primary Open-angle Glaucoma. *American Journal of Ophthalmology*, **2018**, 194, 46-53	4.9	17
271	Animal Models of Proliferative Vitreoretinopathy and Their Use in Pharmaceutical Investigations. *Ophthalmic Research*, **2018**, 60, 195-204	2.9	12
270	Automated Beta Zone Parapapillary Area Measurement to Differentiate Between Healthy and Glaucoma Eyes. *American Journal of Ophthalmology*, **2018**, 191, 140-148	4.9	11
269	Association between Rates of Retinal Nerve Fiber Layer Thinning and Previous Disc Hemorrhage in Glaucoma. *Ophthalmology Glaucoma*, **2018**, 1, 23-31	2.2	4
268	Performance of the 10-2 and 24-2 Visual Field Tests for Detecting Central Visual Field Abnormalities in Glaucoma. *American Journal of Ophthalmology*, **2018**, 196, 10-17	4.9	27
267	Conjunctival and Intrascleral Vasculatures Assessed Using Anterior Segment Optical Coherence Tomography Angiography in Normal Eyes. *American Journal of Ophthalmology*, **2018**, 196, 1-9	4.9	50
266	Optineurin E50K triggers BDNF deficiency-mediated mitochondrial dysfunction in retinal photoreceptor cell line. *Biochemical and Biophysical Research Communications*, **2018**, 503, 2690-2697	3.4	7
265	Ubiquinol promotes retinal ganglion cell survival and blocks the apoptotic pathway in ischemic retinal degeneration. *Biochemical and Biophysical Research Communications*, **2018**, 503, 2639-2645	3.4	12

264	Oral Memantine for the Treatment of Glaucoma: Design and Results of 2 Randomized, Placebo-Controlled, Phase 3 Studies. *Ophthalmology*, **2018**, 125, 1874-1885	7.3	50
263	Optic disc microvasculature dropout in primary open-angle glaucoma measured with optical coherence tomography angiography. *PLoS ONE*, **2018**, 13, e0201729	3.7	17
262	Deep-Layer Microvasculature Dropout by Optical Coherence Tomography Angiography and Microstructure of Parapapillary Atrophy **2018**, 59, 1995-2004		21
261	Testosterone Pathway Genetic Polymorphisms in Relation to Primary Open-Angle Glaucoma: An Analysis in Two Large Datasets **2018**, 59, 629-636		9
260	Macular and Optic Nerve Head Vessel Density and Progressive Retinal Nerve Fiber Layer Loss in Glaucoma. *Ophthalmology*, **2018**, 125, 1720-1728	7.3	75
259	Combined glaucoma and cataract surgery: Comparison of viscocanalostomy, endocyclophotocoagulation, and ab interno trabeculectomy. *Journal of Cataract and Refractive Surgery*, **2018**, 44, 557-565	2.3	2
258	Peripapillary and Macular Vessel Density in Patients with Primary Open-Angle Glaucoma and Unilateral Visual Field Loss. *Ophthalmology*, **2018**, 125, 578-587	7.3	73
257	Anterior Segment Dimensions Following Laser Iridotomy in Acute Primary Angle Closure and Fellow Eyes. *American Journal of Ophthalmology*, **2018**, 186, 59-68	4.9	11
256	Diurnal Variation of Optical Coherence Tomography Measurements of Static and Dynamic Anterior Segment Parameters. *Journal of Glaucoma*, **2018**, 27, 16-21	2.1	8
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