

Robyn H. Guymer

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.

329 papers	12,614 citations	59 h-index	99 g-index
356 ext. papers	15,356 ext. citations	5.1 avg, IF	6.31 L-index

#	Paper	IF	Citations
329	A clinical perspective on the expanding role of artificial intelligence in age-related macular degeneration.. <i>Australasian journal of optometry, The</i> , 2022 , 1-6	2.7	0
328	Grand Challenges in global eye health: a global prioritisation process using Delphi method.. <i>The Lancet Healthy Longevity</i> , 2022 , 3, e31-e41	9.5	3
327	Reticular pseudodrusen: A critical phenotype in age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2021 , 101017	20.5	7
326	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration: A Mendelian Randomization Study. <i>JAMA Ophthalmology</i> , 2021 ,	3.9	2
325	TENAYA and LUCERNE: Rationale and Design for the Phase 3 Clinical Trials of Faricimab for Neovascular Age-Related Macular Degeneration. <i>Ophthalmology Science</i> , 2021 , 100076		2
324	Hyporeflective Cores within Drusen: Association with Progression of Age-Related Macular Degeneration and Impact on Visual Sensitivity. <i>Ophthalmology Retina</i> , 2021 ,	3.8	1
323	Comparison of Visual Function Tests in Intermediate Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2021 , 10, 14	3.3	1
322	ANALYSIS OF FLUID VOLUME AND ITS IMPACT ON VISUAL ACUITY IN THE FLUID STUDY AS QUANTIFIED WITH DEEP LEARNING. <i>Retina</i> , 2021 , 41, 1318-1328	3.6	10
321	OCT Signs of Early Atrophy in Age-Related Macular Degeneration: Interreader Agreement: Classification of Atrophy Meetings Report 6. <i>Ophthalmology Retina</i> , 2021 ,	3.8	6
320	Subthreshold Nanosecond Laser in Age-Related Macular Degeneration: Observational Extension Study of the LEAD Clinical Trial. <i>Ophthalmology Retina</i> , 2021 , 5, 1196-1203	3.8	2
319	IMPACT OF RESIDUAL SUBRETINAL FLUID VOLUMES ON TREATMENT OUTCOMES IN A SUBRETINAL FLUID-TOLERANT TREAT-AND-EXTEND REGIMEN. <i>Retina</i> , 2021 , 41, 2221-2228	3.6	6
318	NATURAL HISTORY OF QUANTITATIVE AUTOFLUORESCENCE IN INTERMEDIATE AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2021 , 41, 694-700	3.6	3
317	Focus on Survival Analysis for Eye Research 2021 , 62, 7		1
316	Model Structure Uncertainty in the Characterization and Growth of Geographic Atrophy. <i>Translational Vision Science and Technology</i> , 2021 , 10, 2	3.3	1
315	USING MICROPERIMETRY AND LOW-LUMINANCE VISUAL ACUITY TO DETECT THE ONSET OF LATE AGE-RELATED MACULAR DEGENERATION: A LEAD Study Report. <i>Retina</i> , 2021 , 41, 1094-1101	3.6	2
314	Age-related macular degeneration. <i>Nature Reviews Disease Primers</i> , 2021 , 7, 31	51.1	71
313	Neovascular age-related macular degeneration at treatment intervals of 14 weeks or greater. <i>Clinical and Experimental Ophthalmology</i> , 2021 , 49, 570-578	2.4	1

312	Dose Response in the Subthreshold Nanosecond Laser Trial in Early Stages of AMD: A LEAD Study Report. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2021 , 52, 380-386	1.4	0
311	Deep Learning Applied to Automated Segmentation of Geographic Atrophy in Fundus Autofluorescence Images. <i>Translational Vision Science and Technology</i> , 2021 , 10, 2	3.3	0
310	Examining the added value of microperimetry and low luminance deficit for predicting progression in age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2021 , 105, 711-715	5.5	7
309	PERIPHERAL RETINAL DRUSEN-LIKE DEPOSITS IN GUCY2C CONGENITAL SECRETORY DIARRHEA SYNDROME. <i>Retinal Cases and Brief Reports</i> , 2021 , 15, 89-92	1.1	0
308	Fundus-controlled perimetry (microperimetry): Application as outcome measure in clinical trials. <i>Progress in Retinal and Eye Research</i> , 2021 , 82, 100907	20.5	17
307	Clinical audit as an educative tool for optometrists: an intervention study in age-related macular degeneration. <i>Ophthalmic and Physiological Optics</i> , 2021 , 41, 53-72	4.1	4
306	Uptake, Persistence, and Performance of Weekly Home Monitoring of Visual Field in a Large Cohort of Patients With Glaucoma. <i>American Journal of Ophthalmology</i> , 2021 , 223, 286-295	4.9	5
305	Binding of Gtf2i- μ transcription factors to the ARMS2 gene leads to increased circulating HTRA1 in AMD patients and in vitro. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100456	5.4	1
304	Predicting Progression of Age-Related Macular Degeneration Using OCT and Fundus Photography. <i>Ophthalmology Retina</i> , 2021 , 5, 118-125	3.8	10
303	Is There a Case for Case-Control Studies in the Exploration of Retrospective Data Sets?. <i>JAMA Ophthalmology</i> , 2021 , 139, 309-310	3.9	0
302	Deficits in Monocyte Function in Age Related Macular Degeneration: A Novel Systemic Change Associated With the Disease. <i>Frontiers in Medicine</i> , 2021 , 8, 634177	4.9	3
301	Effect of Residual Retinal Fluid on Visual Function in Ranibizumab-Treated Neovascular Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2021 , 233, 8-17	4.9	2
300	Investigating the discrepancy between MAIA and MP-1 microperimetry results. <i>Ophthalmic and Physiological Optics</i> , 2021 , 41, 1231-1240	4.1	1
299	Imaging Features Associated with Progression to Geographic Atrophy in Age-Related Macular Degeneration: Classification of Atrophy Meeting Report 5. <i>Ophthalmology Retina</i> , 2021 , 5, 855-867	3.8	25
298	Can the Onset of Atrophic Age-Related Macular Degeneration Be an Acceptable Endpoint for Preventative Trials?. <i>Ophthalmologica</i> , 2020 , 243, 399-403	3.7	1
297	Relationship Between Rod-Mediated Sensitivity, Low-Luminance Visual Acuity, and Night Vision Questionnaire in Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2020 , 9, 30	3.3	4
296	Implications of Analysis Unit on Epidemiology of Multimodal Imaging-Defined Reticular Pseudodrusen: When 2 Eyes Are Better Than 1. <i>JAMA Ophthalmology</i> , 2020 , 138, 477-478	3.9	1
295	Association between Patient-Reported Outcomes and Time to Late Age-Related Macular Degeneration in the Laser Intervention in Early Stages of Age-Related Macular Degeneration Study. <i>Ophthalmology Retina</i> , 2020 , 4, 881-888	3.8	2

294	Structural OCT Signs Suggestive of Subclinical Nonexudative Macular Neovascularization in Eyes with Large Drusen. <i>Ophthalmology</i> , 2020 , 127, 637-647	7.3	15
293	Consensus Nomenclature for Reporting Neovascular Age-Related Macular Degeneration Data: Consensus on Neovascular Age-Related Macular Degeneration Nomenclature Study Group. <i>Ophthalmology</i> , 2020 , 127, 616-636	7.3	154
292	Anti-Vascular Endothelial Growth Factor Use and Atrophy in Neovascular Age-Related Macular Degeneration: Systematic Literature Review and Expert Opinion. <i>Ophthalmology</i> , 2020 , 127, 648-659	7.3	20
291	Prospective Longitudinal Evaluation of Nascent Geographic Atrophy in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2020 , 4, 568-575	3.8	20
290	Lifetime Outcomes of Anti-Vascular Endothelial Growth Factor Treatment for Neovascular Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2020 , 138, 1234-1240	3.9	3
289	Multi-focal electro-retinogram response following sub-threshold nano-second laser intervention in age-related macular degeneration. <i>Clinical and Experimental Ophthalmology</i> , 2020 , 48, 938-945	2.4	0
288	Visual Function Decline Resulting from Geographic Atrophy: Results from the Chroma and Spectri Phase 3 Trials. <i>Ophthalmology Retina</i> , 2020 , 4, 673-688	3.8	14
287	Artificial Intelligence Algorithms for Analysis of Geographic Atrophy: A Review and Evaluation. <i>Translational Vision Science and Technology</i> , 2020 , 9, 57	3.3	10
286	Baseline characteristics and age-related macular degeneration in participants of the "ASPIrin in Reducing Events in the Elderly" (ASPREE)-AMD trial. <i>Contemporary Clinical Trials Communications</i> , 2020 , 20, 100667	1.8	1
285	Validation of an Automated Quantification of Relative Ellipsoid Zone Reflectivity on Spectral Domain-Optical Coherence Tomography Images. <i>Translational Vision Science and Technology</i> , 2020 , 9, 17	3.3	3
284	Systemic lipid dysregulation is a risk factor for macular neurodegenerative disease. <i>Scientific Reports</i> , 2020 , 10, 12165	4.9	7
283	Age-related macular degeneration (AMD): More than meets the eye. The role of multimodal imaging in today's management of AMD-A review. <i>Clinical and Experimental Ophthalmology</i> , 2020 , 48, 983-995	2.4	12
282	Treating Neovascular Age-Related Macular Degeneration-So Much More to Learn. <i>JAMA Ophthalmology</i> , 2020 , 138, 1051-1052	3.9	1
281	Macular Atrophy in Neovascular Age-Related Macular Degeneration: A Randomized Clinical Trial Comparing Ranibizumab and Aflibercept (RIVAL Study). <i>Ophthalmology</i> , 2020 , 127, 198-210	7.3	14
280	Incomplete Retinal Pigment Epithelial and Outer Retinal Atrophy in Age-Related Macular Degeneration: Classification of Atrophy Meeting Report 4. <i>Ophthalmology</i> , 2020 , 127, 394-409	7.3	67
279	New Technologies to Study Functional Genomics of Age-Related Macular Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 604220	5.7	4
278	Serine and Lipid Metabolism in Macular Disease and Peripheral Neuropathy. <i>New England Journal of Medicine</i> , 2019 , 381, 1422-1433	59.2	91
277	Microperimetry for geographic atrophy secondary to age-related macular degeneration. <i>Survey of Ophthalmology</i> , 2019 , 64, 353-364	6.1	14

276	Effect of Ranibizumab and Aflibercept on Best-Corrected Visual Acuity in Treat-and-Extend for Neovascular Age-Related Macular Degeneration: A Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , 2019 , 137, 372-379	3.9	59
275	Development and validation of a deep-learning algorithm for the detection of neovascular age-related macular degeneration from colour fundus photographs. <i>Clinical and Experimental Ophthalmology</i> , 2019 , 47, 1009-1018	2.4	27
274	Longitudinal Assessment of Rod Function in Intermediate Age-Related Macular Degeneration With and Without Reticular Pseudodrusen 2019 , 60, 1511-1518		9
273	Psychosocial assessment of potential retinal prosthesis trial participants. <i>Australasian journal of optometry, The</i> , 2019 , 102, 506-512	2.7	4
272	Performance of a Defect-Mapping Microperimetry Approach for Characterizing Progressive Changes in Deep Scotomas. <i>Translational Vision Science and Technology</i> , 2019 , 8, 16	3.3	7
271	Properties of the Impact of Vision Impairment and Night Vision Questionnaires Among People With Intermediate Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2019 , 8, 3	3.3	8
270	Secondary and Exploratory Outcomes of the Subthreshold Nanosecond Laser Intervention Randomized Trial in Age-Related Macular Degeneration: A LEAD Study Report. <i>Ophthalmology Retina</i> , 2019 , 3, 1026-1034	3.8	15
269	Living with Geographic Atrophy: An Ethnographic Study. <i>Ophthalmology and Therapy</i> , 2019 , 8, 115-124	5	12
268	Presymptomatic Retinal Sensitivity Changes in Intermediate Age-Related Macular Degeneration Associated With New Retinal Fluid. <i>Translational Vision Science and Technology</i> , 2019 , 8, 3	3.3	5
267	Reply. <i>Ophthalmology</i> , 2019 , 126, e92-e93	7.3	
266	A comparison of methods to estimate the survivor average causal effect in the presence of missing data: a simulation study. <i>BMC Medical Research Methodology</i> , 2019 , 19, 223	4.7	0
265	Tolerating Subretinal Fluid in Neovascular Age-Related Macular Degeneration Treated with Ranibizumab Using a Treat-and-Extend Regimen: FLUID Study 24-Month Results. <i>Ophthalmology</i> , 2019 , 126, 723-734	7.3	116
264	Subthreshold Nanosecond Laser Intervention in Age-Related Macular Degeneration: The LEAD Randomized Controlled Clinical Trial. <i>Ophthalmology</i> , 2019 , 126, 829-838	7.3	89
263	Reticular pseudodrusen: current understanding. <i>Australasian journal of optometry, The</i> , 2019 , 102, 455-462	2.7	24
262	Effect of Ciliary Neurotrophic Factor on Retinal Neurodegeneration in Patients with Macular Telangiectasia Type 2: A Randomized Clinical Trial. <i>Ophthalmology</i> , 2019 , 126, 540-549	7.3	72
261	Projection of Long-Term Visual Acuity Outcomes Based on Initial Treatment Response in Neovascular Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2019 , 126, 64-74	7.3	15
260	Prophylactic laser in age-related macular degeneration: the past, the present and the future. <i>Eye</i> , 2018 , 32, 972-980	4.4	5
259	Recurrent structural variation, clustered sites of selection, and disease risk for the complement factor H () gene family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E4433-E4442	11.5	24

258	Role of lysophosphatidic acid in the retinal pigment epithelium and photoreceptors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 750-761	5	16
257	Gaming to improve vision: 21st century self-monitoring for patients with age-related macular degeneration. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 480-484	2.4	7
256	Relationship between reticular pseudodrusen and choroidal thickness in intermediate age-related macular degeneration. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 485-494	2.4	6
255	Interpretation of Subretinal Fluid Using OCT in Intermediate Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2018 , 2, 792-802	3.8	11
254	Outcomes and Predictive Factors After Cataract Surgery in Patients With Neovascular Age-related Macular Degeneration. The Fight Retinal Blindness! Project. <i>American Journal of Ophthalmology</i> , 2018 , 190, 50-57	4.9	11
253	TWO YEAR OUTCOMES OF "TREAT AND EXTEND" INTRAVITREAL THERAPY USING AFLIBERCEPT PREFERENTIALLY FOR NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2018 , 38, 20-28	3.6	58
252	Restorative retinal laser therapy: Present state and future directions. <i>Survey of Ophthalmology</i> , 2018 , 63, 307-328	6.1	24
251	Clinical and social characteristics associated with reduced visual acuity at presentation in Australian patients with neovascular age-related macular degeneration: a prospective study from a long-term observational data set. The Fight Retinal Blindness! Project. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 266-274	2.4	3
250	Topographic Rod Recovery Profiles after a Prolonged Dark Adaptation in Subjects with Reticular Pseudodrusen. <i>Ophthalmology Retina</i> , 2018 , 2, 1206-1217	3.8	8
249	Subretinal Drusenoid Deposits and the Loss of Rod Function in Intermediate Age-Related Macular Degeneration 2018 , 59, 4154-4161		13
248	Nanosecond Laser Treatment for Age-Related Macular Degeneration Does Not Induce Focal Vision Loss or New Vessel Growth in the Retina 2018 , 59, 731-745		8
247	The Treat-and-Extend Injection Regimen Versus Alternate Dosing Strategies in Age-related Macular Degeneration: A Systematic Review and Meta-analysis. <i>American Journal of Ophthalmology</i> , 2018 , 192, 184-197	4.9	42
246	Reply. <i>American Journal of Ophthalmology</i> , 2018 , 185, 123-124	4.9	
245	Consensus Definition for Atrophy Associated with Age-Related Macular Degeneration on OCT: Classification of Atrophy Report 3. <i>Ophthalmology</i> , 2018 , 125, 537-548	7.3	253
244	A Tablet-Based Retinal Function Test in Neovascular Age-Related Macular Degeneration Eyes and At-Risk Fellow Eye. <i>Translational Vision Science and Technology</i> , 2018 , 7, 2	3.3	10
243	Longitudinal Changes in Retinotopic Rod Function in Intermediate Age-Related Macular Degeneration 2018 , 59, AMD19-AMD24		19
242	Dual roles of different redox forms of complement factor H in protecting against age related macular degeneration. <i>Free Radical Biology and Medicine</i> , 2018 , 129, 237-246	7.8	9
241	Home Monitoring of Retinal Sensitivity on a Tablet Device in Intermediate Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2018 , 7, 32	3.3	13

240	Repeatability of Retinal Sensitivity Measurements Using a Medmont Dark-Adapted Chromatic Perimeter in Healthy and Age-Related Macular Degeneration Cases. <i>Translational Vision Science and Technology</i> , 2018 , 7, 3	3.3	9
239	Relationship between reticular pseudodrusen and choroidal thickness in intermediate age-related macular degeneration: response. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 967-968	2.4	
238	Association of Genetic Variants With Response to Anti-Vascular Endothelial Growth Factor Therapy in Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2018 , 136, 875-884	3.9	20
237	Classification of healthy and diseased retina using SD-OCT imaging and Random Forest algorithm. <i>PLoS ONE</i> , 2018 , 13, e0198281	3.7	34
236	Imaging Protocols in Clinical Studies in Advanced Age-Related Macular Degeneration: Recommendations from Classification of Atrophy Consensus Meetings. <i>Ophthalmology</i> , 2017 , 124, 464-478	7.3	110
235	Age-Related Macular Degeneration and Mortality: A Systematic Review and Meta-Analysis. <i>Ophthalmic Epidemiology</i> , 2017 , 24, 141-152	1.9	22
234	Subthreshold Nanosecond Laser Intervention in Intermediate Age-Related Macular Degeneration: Study Design and Baseline Characteristics of the Laser in Early Stages of Age-Related Macular Degeneration Study (Report Number 1). <i>Ophthalmology Retina</i> , 2017 , 1, 227-239	3.8	23
233	Age-related macular degeneration in a randomized controlled trial of low-dose aspirin: Rationale and study design of the ASPREE-AMD study. <i>Contemporary Clinical Trials Communications</i> , 2017 , 6, 105-114	1.8	5
232	Loss of Function of P2X7 Receptor Scavenger Activity in Aging Mice: A Novel Model for Investigating the Early Pathogenesis of Age-Related Macular Degeneration. <i>American Journal of Pathology</i> , 2017 , 187, 1670-1685	5.8	22
231	Physical Activity and Age-related Macular Degeneration: A Systematic Literature Review and Meta-analysis. <i>American Journal of Ophthalmology</i> , 2017 , 180, 29-38	4.9	38
230	Survival Bias When Assessing Risk Factors for Age-Related Macular Degeneration: A Tutorial with Application to the Exposure of Smoking. <i>Ophthalmic Epidemiology</i> , 2017 , 24, 229-238	1.9	9
229	Quantitative Analysis of the Ellipsoid Zone Intensity in Phenotypic Variations of Intermediate Age-Related Macular Degeneration 2017 , 58, 2079-2086		18
228	Imaging Lenticular Autofluorescence in Older Subjects 2017 , 58, 4940-4947		7
227	Drusen in patient-derived hiPSC-RPE models of macular dystrophies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8214-E8223	11.5	57
226	Automatic Identification of Pathology-Distorted Retinal Layer Boundaries Using SD-OCT Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 1638-1649	5	18
225	Disparities in access to anti-vascular endothelial growth factor treatment for neovascular age-related macular degeneration. <i>Clinical and Experimental Ophthalmology</i> , 2017 , 45, 143-151	2.4	7
224	Seven-year Trends in Visual Acuity at First Presentation in Patients with Neovascular AMD. <i>Ophthalmology</i> , 2017 , 124, 270-272	7.3	4
223	New Treatment Modalities for Geographic Atrophy. <i>Asia-Pacific Journal of Ophthalmology</i> , 2017 , 6, 508-513	3.5	8

222	Automatic segmentation of nine retinal layer boundaries in OCT images of non-exudative AMD patients using deep learning and graph search. <i>Biomedical Optics Express</i> , 2017 , 8, 2732-2744	3.5	285
221	Determining the Contribution of Retinotopic Discrimination to Localization Performance With a Suprachoroidal Retinal Prosthesis 2017 , 58, 3231-3239		18
220	Nitration of tyrosines in complement factor H domains alters its immunological activity and mediates a pathogenic role in age related macular degeneration. <i>Oncotarget</i> , 2017 , 8, 49016-49032	3.3	12
219	Age-related macular degeneration and mortality: the Melbourne Collaborative Cohort Study. <i>Eye</i> , 2017 , 31, 1345-1357	4.4	10
218	Low luminance deficit and night vision symptoms in intermediate age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2016 , 100, 395-8	5.5	40
217	Do Beta 2-Glycoprotein I Disulfide Bonds Protect the Human Retina in the Setting of Age-Related Macular Degeneration?. <i>Antioxidants and Redox Signaling</i> , 2016 , 24, 32-8	8.4	10
216	Treatment Patterns and Visual Outcomes during the Maintenance Phase of Treat-and-Extend Therapy for Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2016 , 123, 2393-2400	7.3	31
215	Innate phagocytosis by peripheral blood monocytes is altered in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016 , 132, 377-89	14.3	30
214	Developing a Very Low Vision Orientation and Mobility Test Battery (O&M-VLV). <i>Optometry and Vision Science</i> , 2016 , 93, 1127-36	2.1	15
213	Multiallelic copy number variation in the complement component 4A (C4A) gene is associated with late-stage age-related macular degeneration (AMD). <i>Journal of Neuroinflammation</i> , 2016 , 13, 81	10.1	19
212	Correlation of Histologic Features with InVivo Imaging of Reticular Pseudodrusen. <i>Ophthalmology</i> , 2016 , 123, 1320-31	7.3	77
211	The role of sub-retinal fluid in determining treatment outcomes in patients with neovascular age-related macular degeneration—a phase IV randomised clinical trial with ranibizumab: the FLUID study. <i>BMC Ophthalmology</i> , 2016 , 16, 31	2.3	54
210	Reticular Pseudodrusen and Their Association with Age-Related Macular Degeneration: The Melbourne Collaborative Cohort Study. <i>Ophthalmology</i> , 2016 , 123, 599-608	7.3	70
209	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , 2016 , 48, 134-43	36.3	769
208	Alzheimer's Disease and the Early Signs of Age-Related Macular Degeneration. <i>Current Alzheimer Research</i> , 2016 , 13, 1259-1266	3	32
207	Progress in the clinical development and utilization of vision prostheses: an update. <i>Eye and Brain</i> , 2016 , 8, 15-25	5.7	14
206	Longitudinal Associations Between Microstructural Changes and Microperimetry in the Early Stages of Age-Related Macular Degeneration 2016 , 57, 3714-22		35
205	Stimulation of a Suprachoroidal Retinal Prosthesis Drives Cortical Responses in a Feline Model of Retinal Degeneration 2016 , 57, 5216-5229		16

204	Assessment of Retinotopic Rod Photoreceptor Function Using a Dark-Adapted Chromatic Perimeter in Intermediate Age-Related Macular Degeneration 2016 , 57, 5436-5442		34
203	Reticular Pseudodrusen in Intermediate Age-Related Macular Degeneration: Prevalence, Detection, Clinical, Environmental, and Genetic Associations 2016 , 57, 1310-6		44
202	Retinal Changes in an ATP-Induced Model of Retinal Degeneration. <i>Frontiers in Neuroanatomy</i> , 2016 , 10, 46	3.6	13
201	Rasch Analysis of the Independent Mobility Questionnaire. <i>Optometry and Vision Science</i> , 2016 , 93, 181-7	2.1	5
200	IMPLICATION OF RECURRENT OR RETAINED FLUID ON OPTICAL COHERENCE TOMOGRAPHY FOR VISUAL ACUITY DURING ACTIVE TREATMENT OF NEOVASCULAR AGE-RELATED MACULAR DEGENERATION WITH A TREAT AND EXTEND PROTOCOL. <i>Retina</i> , 2016 , 36, 1331-9	3.6	36
199	Ellipsoid zone on optical coherence tomography: a review. <i>Clinical and Experimental Ophthalmology</i> , 2016 , 44, 422-30	2.4	45
198	Advances in implantable bionic devices for blindness: a review. <i>ANZ Journal of Surgery</i> , 2016 , 86, 654-9	1	58
197	GWAS study using DNA pooling strategy identifies association of variant rs4910623 in OR52B4 gene with anti-VEGF treatment response in age-related macular degeneration. <i>Scientific Reports</i> , 2016 , 6, 37924	4.9	18
196	Past physical activity and age-related macular degeneration: the Melbourne Collaborative Cohort Study. <i>British Journal of Ophthalmology</i> , 2016 , 100, 1353-8	5.5	18
195	Effects of switching from ranibizumab to aflibercept in eyes with exudative age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2016 , 100, 1640-1645	5.5	30
194	Anti-vascular Endothelial Growth Factor (VEGF) Treatment in Neovascular Age-Related Macular Degeneration: Outcomes and Outcome Predictors. <i>Essentials in Ophthalmology</i> , 2016 , 31-65	0.2	
193	Charles Bonnet Syndrome in Advanced Retinitis Pigmentosa. <i>Ophthalmology</i> , 2015 , 122, 1951-3	7.3	11
192	Long-Term Outcomes of Treatment of Neovascular Age-Related Macular Degeneration: Data from an Observational Study. <i>Ophthalmology</i> , 2015 , 122, 1837-45	7.3	152
191	Plasma levels of amyloid beta and other proinflammatory mediators in patients with age-related macular degeneration. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 1347-54	3.8	11
190	Outcomes of persistently active neovascular age-related macular degeneration treated with VEGF inhibitors: observational study data. <i>British Journal of Ophthalmology</i> , 2015 , 99, 359-64	5.5	13
189	Age-related macular degeneration in ethnically diverse Australia: Melbourne Collaborative Cohort Study. <i>Ophthalmic Epidemiology</i> , 2015 , 22, 75-84	1.9	6
188	Conbercept (KH-902) for the treatment of neovascular age-related macular degeneration. <i>Expert Review of Clinical Pharmacology</i> , 2015 , 8, 541-8	3.8	25
187	Scheduled versus Pro Re Nata Dosing in the VIEW Trials. <i>Ophthalmology</i> , 2015 , 122, 2497-503	7.3	28

186	Age-related macular degeneration phenotypes associated with mutually exclusive homozygous risk variants in CFH and HTRA1 genes. <i>Retina</i> , 2015 , 35, 989-98	3.6	6
185	Measurement of Retinal Sensitivity on Tablet Devices in Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2015 , 4, 13	3.3	17
184	Age Related Macular Degeneration and Total Hip Replacement Due to Osteoarthritis or Fracture: Melbourne Collaborative Cohort Study. <i>PLoS ONE</i> , 2015 , 10, e0137322	3.7	8
183	Impact of reticular pseudodrusen on microperimetry and multifocal electroretinography in intermediate age-related macular degeneration 2015 , 56, 2100-6		35
182	Test-Retest Repeatability of Microperimetry at the Border of Deep Scotomas 2015 , 56, 2606-11		30
181	Longitudinal changes in microperimetry and low luminance visual acuity in age-related macular degeneration. <i>JAMA Ophthalmology</i> , 2015 , 133, 442-8	3.9	59
180	Cardiovascular Adverse Effects of Phenylephrine Eyedrops: A Systematic Review and Meta-analysis. <i>JAMA Ophthalmology</i> , 2015 , 133, 647-52	3.9	36
179	Two-year outcomes of "treat and extend" intravitreal therapy for neovascular age-related macular degeneration. <i>Ophthalmology</i> , 2015 , 122, 1212-9	7.3	116
178	Author reply: To PMID 25109931. <i>Ophthalmology</i> , 2015 , 122, e53-4	7.3	
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176	Fundus autofluorescence characteristics of nascent geographic atrophy in age-related macular degeneration. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1546-52		39
175	Nanosecond laser therapy reverses pathologic and molecular changes in age-related macular degeneration without retinal damage. <i>FASEB Journal</i> , 2015 , 29, 696-710	0.9	73
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165	Relationship between retinal microstructures on optical coherence tomography and microperimetry in age-related macular degeneration. <i>Ophthalmology</i> , 2014 , 121, 1445-52	7.3	55
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162	Effects of simvastatin on retinal structure and function of a high-fat atherogenic mouse model of thickened Bruch's membrane 2014 , 55, 460-8		18
161	ATP-induced photoreceptor death in a feline model of retinal degeneration. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 55, 8319-29		27
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7	Cholesterol-lowering medications reduce the risk of age-related maculopathy progression. <i>Medical Journal of Australia</i> , 2001 , 175, 340	4	57

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5	Fluorescein angiographic abnormalities after prophylactic macular photocoagulation for high-risk age-related maculopathy. <i>American Journal of Ophthalmology</i> , 1999 , 127, 681-7	4.9	17
4	Prophylactic laser treatment to fellow eyes of unilateral retinal pigment epithelial tears. <i>American Journal of Ophthalmology</i> , 1998 , 126, 77-81	4.9	17
3	Laser treatment in subjects with high-risk clinical features of age-related macular degeneration. Posterior pole appearance and retinal function. <i>JAMA Ophthalmology</i> , 1997 , 115, 595-603		46
2	A comparison of corneal, pancreas, and skin grafts in mice. A study of the determinants of tissue immunogenicity. <i>Transplantation</i> , 1994 , 57, 1251-62	1.8	16
1	Urocanic acid as an immunosuppressant in allotransplantation in mice. <i>Transplantation</i> , 1993 , 55, 36-43	1.8	29