

# Alex W. Hewitt

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4848635/alex-w-hewitt-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

322  
papers

11,961  
citations

58  
h-index

95  
g-index

358  
ext. papers

15,250  
ext. citations

7.7  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
322	Genetic Risk of Cardiovascular Disease Is Associated with Macular Ganglion Cell Inner Plexiform Layer Thinning in an Early Glaucoma Cohort. <i>Ophthalmology Science</i> , <b>2022</b> , 2, 100108		
321	The effect of insulin on response to intravitreal anti-VEGF injection in diabetic macular edema in type 2 diabetes mellitus.. <i>BMC Ophthalmology</i> , <b>2022</b> , 22, 94	2.3	1
320	Single-cell eQTL mapping identifies cell type-specific genetic control of autoimmune disease.. <i>Science</i> , <b>2022</b> , 376, eabf3041	33.3	8
319	The APOE E4 allele is associated with faster rates of neuroretinal thinning in a prospective cohort study of suspect and early glaucoma. <i>Ophthalmology Science</i> , <b>2022</b> , 100159		0
318	Transcriptomic Profiling of Human Pluripotent Stem Cell-derived Retinal Pigment Epithelium over Time. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2021</b> , 19, 223-242	6.5	4
317	A Polygenic Risk Score Predicts Intraocular Pressure Readings Outside Office Hours and Early Morning Spikes as Measured by Home Tonometry. <i>Ophthalmology Glaucoma</i> , <b>2021</b> , 4, 411-420	2.2	3
316	Image-Based Quantitation of Kainic Acid-Induced Excitotoxicity as a Model of Neurodegeneration in Human iPSC-Derived Neurons. <i>Methods in Molecular Biology</i> , <b>2021</b> , 1	1.4	2
315	CRISPR/Cas-Mediated Knock-in of Genetically Encoded Fluorescent Biosensors into the AAVS1 Locus of Human-Induced Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , <b>2021</b> , 1	1.4	1
314	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , <b>2021</b> ,	50.4	24
313	Comparative analysis of loop-mediated isothermal amplification (LAMP)-based assays for rapid detection of SARS-CoV-2 genes. <i>Scientific Reports</i> , <b>2021</b> , 11, 22493	4.9	2
312	Attitudes towards polygenic risk testing in individuals with glaucoma. <i>Ophthalmology Glaucoma</i> , <b>2021</b> ,	2.2	2
311	Establishing risk of vision loss in Leber hereditary optic neuropathy. <i>American Journal of Human Genetics</i> , <b>2021</b> , 108, 2159-2170	11	4
310	Generation of MNZTASi001-A, a human pluripotent stem cell line from a person with primary progressive multiple sclerosis. <i>Stem Cell Research</i> , <b>2021</b> , 57, 102568	1.6	2
309	Corneal Stiffness Parameters Are Predictive of Structural and Functional Progression in Glaucoma Suspect Eyes. <i>Ophthalmology</i> , <b>2021</b> , 128, 993-1004	7.3	11
308	Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	11
307	Single cell eQTL analysis identifies cell type-specific genetic control of gene expression in fibroblasts and reprogrammed induced pluripotent stem cells. <i>Genome Biology</i> , <b>2021</b> , 22, 76	18.3	16
306	A multi-ethnic genome-wide association study implicates collagen matrix integrity and cell differentiation pathways in keratoconus. <i>Communications Biology</i> , <b>2021</b> , 4, 266	6.7	10

305	Time spent outdoors in childhood is associated with reduced risk of myopia as an adult. <i>Scientific Reports</i> , <b>2021</b> , 11, 6337	4.9	9
304	Culture Variabilities of Human iPSC-Derived Cerebral Organoids Are a Major Issue for the Modelling of Phenotypes Observed in Alzheimer's Disease. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 1	7.3	14
303	Physical Activity and Cardiovascular Fitness During Childhood and Adolescence: Association With Retinal Nerve Fibre Layer Thickness in Young Adulthood. <i>Journal of Glaucoma</i> , <b>2021</b> , 30, 813-819	2.1	0
302	Genetic variation affects morphological retinal phenotypes extracted from UK Biobank optical coherence tomography images. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009497	6	5
301	Comparing vision and macular thickness in neovascular age-related macular degeneration, diabetic macular oedema and retinal vein occlusion patients treated with intravitreal antivascular endothelial growth factor injections in clinical practice. <i>BMJ Open Ophthalmology</i> , <b>2021</b> , 6, e000749	3.2	1
300	Evaluation of Shared Genetic Susceptibility to High and Low Myopia and Hyperopia. <i>JAMA Ophthalmology</i> , <b>2021</b> , 139, 601-609	3.9	4
299	Cardiovascular Disease Predicts Structural and Functional Progression in Early Glaucoma. <i>Ophthalmology</i> , <b>2021</b> , 128, 58-69	7.3	10
298	The effects of eight serum lipid biomarkers on age-related macular degeneration risk: a Mendelian randomization study. <i>International Journal of Epidemiology</i> , <b>2021</b> , 50, 325-336	7.8	4
297	A drug-tunable Flt23k gene therapy for controlled intervention in retinal neovascularization. <i>Angiogenesis</i> , <b>2021</b> , 24, 97-110	10.6	10
296	Prevalence of Keratoconus Based on Scheimpflug Imaging: The Raine Study. <i>Ophthalmology</i> , <b>2021</b> , 128, 515-521	7.3	25
295	Approach for in vivo delivery of CRISPR/Cas system: a recent update and future prospect. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 2683-2708	10.3	14
294	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. <i>Nature Communications</i> , <b>2021</b> , 12, 1258	17.4	47
293	Predicting the Future of Genetic Risk Profiling of Glaucoma: A Narrative Review. <i>JAMA Ophthalmology</i> , <b>2021</b> , 139, 224-231	3.9	2
292	Automated AI labeling of optic nerve head enables insights into cross-ancestry glaucoma risk and genetic discovery in >280,000 images from UKB and CLSA. <i>American Journal of Human Genetics</i> , <b>2021</b> , 108, 1204-1216	11	6
291	Change in the prevalence of myopia in Australian middle-aged adults across 20 years. <i>Clinical and Experimental Ophthalmology</i> , <b>2021</b> , 49, 1039-1047	2.4	0
290	Association of Monogenic and Polygenic Risk With the Prevalence of Open-Angle Glaucoma. <i>JAMA Ophthalmology</i> , <b>2021</b> , 139, 1023-1028	3.9	4
289	Characteristics of p.Gln368Ter Myocilin Variant and Influence of Polygenic Risk on Glaucoma Penetrance in the UK Biobank. <i>Ophthalmology</i> , <b>2021</b> , 128, 1300-1311	7.3	5
288	Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. <i>Nature Genetics</i> , <b>2021</b> , 53, 1300-1310	36.3	60

287	Exposure to Smoking and Alcohol, and Passive Smoking during Childhood: Effect on the Retinal Nerve Fibre Layer in Young Adulthood. <i>Ophthalmic Epidemiology</i> , <b>2021</b> , 1-8	1.9	
286	Approaches for the sensitive detection of rare base and prime editing events. <i>Methods</i> , <b>2021</b> , 194, 75-82	4.6	0
285	Use of CRISPR/Cas ribonucleoproteins for high throughput gene editing of induced pluripotent stem cells. <i>Methods</i> , <b>2021</b> , 194, 18-29	4.6	3
284	Association of Myopia and Intraocular Pressure With Retinal Detachment in European Descent Participants of the UK Biobank Cohort: A Mendelian Randomization Study. <i>JAMA Ophthalmology</i> , <b>2020</b> , 138, 671-678	3.9	6
283	Comparative performance of the BGI and Illumina sequencing technology for single-cell RNA-sequencing. <i>NAR Genomics and Bioinformatics</i> , <b>2020</b> , 2, lqaa034	3.7	19
282	Influence of prenatal environment and birth parameters on amblyopia, strabismus, and anisometropia. <i>Journal of AAPOS</i> , <b>2020</b> , 24, 74.e1-74.e7	1.3	7
281	Genome-wide association meta-analysis of corneal curvature identifies novel loci and shared genetic influences across axial length and refractive error. <i>Communications Biology</i> , <b>2020</b> , 3, 133	6.7	9
280	Meta-analysis of 542,934 subjects of European ancestry identifies new genes and mechanisms predisposing to refractive error and myopia. <i>Nature Genetics</i> , <b>2020</b> , 52, 401-407	36.3	68
279	Do Levels of Stress Markers Influence the Retinal Nerve Fiber Layer Thickness in Young Adults?. <i>Journal of Glaucoma</i> , <b>2020</b> , 29, 587-592	2.1	1
278	Effect of phacoemulsification cataract surgery on intraocular pressure in early glaucoma: A prospective multi-site study. <i>Clinical and Experimental Ophthalmology</i> , <b>2020</b> , 48, 442-449	2.4	2
277	Choroidal Thickness in Young Adults and its Association with Visual Acuity. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 214, 40-51	4.9	11
276	Biallelic CPAMD8 Variants Are a Frequent Cause of Childhood and Juvenile Open-Angle Glaucoma. <i>Ophthalmology</i> , <b>2020</b> , 127, 758-766	7.3	18
275	Multitrait analysis of glaucoma identifies new risk loci and enables polygenic prediction of disease susceptibility and progression. <i>Nature Genetics</i> , <b>2020</b> , 52, 160-166	36.3	78
274	Genome-wide meta-analysis identifies novel loci associated with age-related macular degeneration. <i>Journal of Human Genetics</i> , <b>2020</b> , 65, 657-665	4.3	21
273	An Intraocular Pressure Polygenic Risk Score Stratifies Multiple Primary Open-Angle Glaucoma Parameters Including Treatment Intensity. <i>Ophthalmology</i> , <b>2020</b> , 127, 901-907	7.3	12
272	Using Mendelian randomization to evaluate the causal relationship between serum C-reactive protein levels and age-related macular degeneration. <i>European Journal of Epidemiology</i> , <b>2020</b> , 35, 139-146	12.1	19
271	Association of Genetic Variation With Keratoconus. <i>JAMA Ophthalmology</i> , <b>2020</b> , 138, 174-181	3.9	24
270	Vision impairment and refractive errors in refugees presenting to community optometry clinics in Victoria, Australia. <i>Australasian journal of optometry</i> , <b>2020</b> , 103, 668-674	2.7	1

269	Engineering domain-inlaid SaCas9 adenine base editors with reduced RNA off-targets and increased on-target DNA editing. <i>Nature Communications</i> , <b>2020</b> , 11, 4871	17.4	13
268	OXPHOS bioenergetic compensation does not explain disease penetrance in Leber hereditary optic neuropathy. <i>Mitochondrion</i> , <b>2020</b> , 54, 113-121	4.9	4
267	Improving parents' knowledge of early signs of paediatric eye disease: A double-blind randomized controlled trial. <i>Clinical and Experimental Ophthalmology</i> , <b>2020</b> , 48, 1250-1260	2.4	0
266	Age-dependent regional retinal nerve fibre changes in SIX1/SIX6 polymorphism. <i>Scientific Reports</i> , <b>2020</b> , 10, 12485	4.9	1
265	A Simple Differentiation Protocol for Generation of Induced Pluripotent Stem Cell-Derived Basal Forebrain-Like Cholinergic Neurons for Alzheimer's Disease and Frontotemporal Dementia Disease Modeling. <i>Cells</i> , <b>2020</b> , 9,	7.9	11
264	Comparison of CRISPR/Cas Endonucleases for Retinal Gene Editing. <i>Frontiers in Cellular Neuroscience</i> , <b>2020</b> , 14, 570917	6.1	7
263	Smartphone use in ophthalmology: What is their place in clinical practice?. <i>Survey of Ophthalmology</i> , <b>2020</b> , 65, 250-262	6.1	26
262	Rationale and protocol for the 7- and 8-year longitudinal assessments of eye health in a cohort of young adults in the Raine Study. <i>BMJ Open</i> , <b>2020</b> , 10, e033440	3	4
261	Genome-wide association analysis of 95 549 individuals identifies novel loci and genes influencing optic disc morphology. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 3680-3690	5.6	11
260	PSEN1 <sup>E9</sup> , APP <sup>swe</sup> , and APOE4 Confer Disparate Phenotypes in Human iPSC-Derived Microglia. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 669-683	8	64
259	Mitochondrial haplogroups are not associated with diabetic retinopathy in a large Australian and British Caucasian sample. <i>Scientific Reports</i> , <b>2019</b> , 9, 612	4.9	0
258	Prevalence of FOXC1 Variants in Individuals With a Suspected Diagnosis of Primary Congenital Glaucoma. <i>JAMA Ophthalmology</i> , <b>2019</b> , 137, 348-355	3.9	16
257	Genetic Correlations Between Diabetes and Glaucoma: An Analysis of Continuous and Dichotomous Phenotypes. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 206, 245-255	4.9	6
256	Macular Ganglion Cell-Inner Plexiform Layer Loss Precedes Peripapillary Retinal Nerve Fiber Layer Loss in Glaucoma with Lower Intraocular Pressure. <i>Ophthalmology</i> , <b>2019</b> , 126, 1119-1130	7.3	21
255	A Need for Better Understanding Is the Major Determinant for Public Perceptions of Human Gene Editing. <i>Human Gene Therapy</i> , <b>2019</b> , 30, 36-43	4.8	23
254	Utility of Self-Destructing CRISPR/Cas Constructs for Targeted Gene Editing in the Retina. <i>Human Gene Therapy</i> , <b>2019</b> , 30, 1349-1360	4.8	13
253	Associations between Optic Disc Measures and Obstructive Sleep Apnea in Young Adults. <i>Ophthalmology</i> , <b>2019</b> , 126, 1372-1384	7.3	14
252	Human pluripotent stem cells for the modelling of diseases of the retina and optic nerve: toward a retina in a dish. <i>Current Opinion in Pharmacology</i> , <b>2019</b> , 48, 114-119	5.1	7

251	Screening of CRISPR/Cas base editors to target the AMD high-risk Y402H complement factor H variant. <i>Molecular Vision</i> , <b>2019</b> , 25, 174-182	2.3	3
250	Genotype-free demultiplexing of pooled single-cell RNA-seq. <i>Genome Biology</i> , <b>2019</b> , 20, 290	18.3	19
249	The Relationship Between Optic Disc Parameters and Female Reproductive Factors in Young Women. <i>Asia-Pacific Journal of Ophthalmology</i> , <b>2019</b> , 8, 224-228	3.5	2
248	Gene therapy for visual loss: Opportunities and concerns. <i>Progress in Retinal and Eye Research</i> , <b>2019</b> , 68, 31-53	20.5	46
247	Current state and future prospects of artificial intelligence in ophthalmology: a review. <i>Clinical and Experimental Ophthalmology</i> , <b>2019</b> , 47, 128-139	2.4	72
246	A Simple Cloning-free Method to Efficiently Induce Gene Expression Using CRISPR/Cas9. <i>Molecular Therapy - Nucleic Acids</i> , <b>2019</b> , 14, 184-191	10.7	6
245	Seeing the impact of the Glaucoma Inheritance Study in Tasmania after 25 years. <i>Clinical and Experimental Ophthalmology</i> , <b>2019</b> , 47, 677-679	2.4	0
244	Myocilin Gene Gln368Ter Variant Penetrance and Association With Glaucoma in Population-Based and Registry-Based Studies. <i>JAMA Ophthalmology</i> , <b>2019</b> , 137, 28-35	3.9	14
243	Genome-wide association meta-analysis of individuals of European ancestry identifies new loci explaining a substantial fraction of hair color variation and heritability. <i>Nature Genetics</i> , <b>2018</b> , 50, 652-656	26.3	59
242	Role of lysophosphatidic acid in the retinal pigment epithelium and photoreceptors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2018</b> , 1863, 750-761	5	16
241	Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 1486-1496	5.6	72
240	Analysis combining correlated glaucoma traits identifies five new risk loci for open-angle glaucoma. <i>Scientific Reports</i> , <b>2018</b> , 8, 3124	4.9	25
239	Single cell RNA sequencing of stem cell-derived retinal ganglion cells. <i>Scientific Data</i> , <b>2018</b> , 5, 180013	8.2	29
238	DNA methylation at the 9p21 glaucoma susceptibility locus is associated with normal-tension glaucoma. <i>Ophthalmic Genetics</i> , <b>2018</b> , 39, 221-227	1.2	10
237	Uteroglobin and FLRG concentrations in aqueous humor are associated with age in primary open angle glaucoma patients. <i>BMC Ophthalmology</i> , <b>2018</b> , 18, 57	2.3	2
236	Automated Cell Culture Systems and Their Applications to Human Pluripotent Stem Cell Studies. <i>SLAS Technology</i> , <b>2018</b> , 23, 315-325	3	26
235	Genome-wide association study of intraocular pressure uncovers new pathways to glaucoma. <i>Nature Genetics</i> , <b>2018</b> , 50, 1067-1071	36.3	86
234	Longitudinal expression profiling of CD4+ and CD8+ cells in patients with active to quiescent giant cell arteritis. <i>BMC Medical Genomics</i> , <b>2018</b> , 11, 61	3.7	8

233	Human fibroblast and stem cell resource from the Dominantly Inherited Alzheimer Network. <i>Alzheimer's Research and Therapy</i> , <b>2018</b> , 10, 69	9	11
232	The current state of stem cell therapy for ocular disease. <i>Experimental Eye Research</i> , <b>2018</b> , 177, 65-75	3.7	13
231	Expression QTL analysis of glaucoma endophenotypes in the Norfolk Island isolate provides evidence that immune-related genes are associated with optic disc size. <i>Journal of Human Genetics</i> , <b>2018</b> , 63, 83-87	4.3	1
230	Genome-wide association studies for diabetic macular edema and proliferative diabetic retinopathy. <i>BMC Medical Genetics</i> , <b>2018</b> , 19, 71	2.1	32
229	Genome-Wide Association Study Identifies a Susceptibility Locus for Comitant Esotropia and Suggests a Parent-of-Origin Effect <b>2018</b> , 59, 4054-4064		10
228	Testosterone Pathway Genetic Polymorphisms in Relation to Primary Open-Angle Glaucoma: An Analysis in Two Large Datasets <b>2018</b> , 59, 629-636		9
227	Retinal genes are differentially expressed in areas of primary versus secondary degeneration following partial optic nerve injury. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192348	3.7	7
226	Plurality in multi-disciplinary research: multiple institutional affiliations are associated with increased citations. <i>PeerJ</i> , <b>2018</b> , 6, e5664	3.1	6
225	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , <b>2018</b> , 50, 26-41	36.3	186
224	Methods for In Vivo CRISPR/Cas Editing of the Adult Murine Retina. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1715, 113-133	1.4	10
223	Orbital Air Embolism After Intravenous Injection. <i>Journal of Neuro-Ophthalmology</i> , <b>2018</b> , 38, 486-487	2.6	4
222	Novel pleiotropic risk loci for melanoma and nevus density implicate multiple biological pathways. <i>Nature Communications</i> , <b>2018</b> , 9, 4774	17.4	47
221	Potentials of Cellular Reprogramming as a Novel Strategy for Neuroregeneration. <i>Frontiers in Cellular Neuroscience</i> , <b>2018</b> , 12, 460	6.1	12
220	Mitochondrial DNA Variation and Disease Susceptibility in Primary Open-Angle Glaucoma <b>2018</b> , 59, 4598-4602		13
219	Crowd-sourced Ontology for Photoleukocoria: Identifying Common Internet Search Terms for a Potentially Important Pediatric Ophthalmic Sign. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 18	3.3	2
218	Single-Cell Profiling Identifies Key Pathways Expressed by iPSCs Cultured in Different Commercial Media. <i>IScience</i> , <b>2018</b> , 7, 30-39	6.1	12
217	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. <i>Nature Genetics</i> , <b>2018</b> , 50, 834-848	36.3	135
216	Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases. <i>Nature Communications</i> , <b>2018</b> , 9, 1864	17.4	37

215	The Importance of Conditional Probability in Diagnostic Reasoning and Clinical Decision Making: A Primer for the Eye Care Practitioner. <i>Ophthalmic Epidemiology</i> , <b>2017</b> , 24, 81-89	1.9	1
214	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , <b>2017</b> , 542, 186-190	50.4	412
213	New insights into the genetics of primary open-angle glaucoma based on meta-analyses of intraocular pressure and optic disc characteristics. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 438-453	5.6	80
212	Drug discovery using induced pluripotent stem cell models of neurodegenerative and ocular diseases. <i>Pharmacology &amp; Therapeutics</i> , <b>2017</b> , 177, 32-43	13.9	30
211	Genome-Wide Association Shows that Pigmentation Genes Play a Role in Skin Aging. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 1887-1894	4.3	30
210	Glaucoma spectrum and age-related prevalence of individuals with FOXC1 and PITX2 variants. <i>European Journal of Human Genetics</i> , <b>2017</b> , 25, 839-847	5.3	25
209	Genetically low vitamin D concentrations and myopic refractive error: a Mendelian randomization study. <i>International Journal of Epidemiology</i> , <b>2017</b> , 46, 1882-1890	7.8	34
208	Screening for Diabetic Eye Disease among Samoan Adults: A Pilot Study. <i>Ophthalmology and Therapy</i> , <b>2017</b> , 6, 187-194	5	1
207	Generation of a human induced pluripotent stem cell line CERAi001-A-6 using episomal vectors. <i>Stem Cell Research</i> , <b>2017</b> , 22, 13-15	1.6	1
206	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , <b>2017</b> , 49, 993-1004	36.3	72
205	DNA methylation landscape of ocular tissue relative to matched peripheral blood. <i>Scientific Reports</i> , <b>2017</b> , 7, 46330	4.9	9
204	Development of a Modular Automated System for Maintenance and Differentiation of Adherent Human Pluripotent Stem Cells. <i>SLAS Discovery</i> , <b>2017</b> , 22, 1016-1025	3.4	22
203	Myocilin Predictive Genetic Testing for Primary Open-Angle Glaucoma Leads to Early Identification of At-Risk Individuals. <i>Ophthalmology</i> , <b>2017</b> , 124, 303-309	7.3	17
202	Geo-epidemiology of temporal artery biopsy-positive giant cell arteritis in Australia and New Zealand: is there a seasonal influence?. <i>RMD Open</i> , <b>2017</b> , 3, e000531	5.9	9
201	TGC repeat expansion in the TCF4 gene increases the risk of Fuchs' endothelial corneal dystrophy in Australian cases. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183719	3.7	15
200	Key challenges in bringing CRISPR-mediated somatic cell therapy into the clinic. <i>Genome Medicine</i> , <b>2017</b> , 9, 85	14.4	10
199	High-Throughput Genetic Screening of 51 Pediatric Cataract Genes Identifies Causative Mutations in Inherited Pediatric Cataract in South Eastern Australia. <i>G3: Genes, Genomes, Genetics</i> , <b>2017</b> , 7, 3257-3268	3.3	13
198	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> , <b>2017</b> , 114, E8214-E8223	11.5	57



197	The VEGF Treatment of AMD Switch Study (The vTAS Study). <i>Asia-Pacific Journal of Ophthalmology</i> , <b>2017</b> , 6, 481-487	3.5	3
196	Contribution of Mutations in Known Mendelian Glaucoma Genes to Advanced Early-Onset Primary Open-Angle Glaucoma <b>2017</b> , 58, 1537-1544		11
195	Angiopoietin-1 is required for Schlemm's canal development in mice and humans. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 4421-4436	15.9	57
194	Whole exome sequencing implicates eye development, the unfolded protein response and plasma membrane homeostasis in primary open-angle glaucoma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172427	3.7	8
193	Mitochondrial replacement in an iPSC model of Leber's hereditary optic neuropathy. <i>Aging</i> , <b>2017</b> , 9, 1341-1350	13.6	35
192	Friedreich's ataxia induced pluripotent stem cell-derived cardiomyocytes display electrophysiological abnormalities and calcium handling deficiency. <i>Aging</i> , <b>2017</b> , 9, 1440-1452	5.6	20
191	Genome-wide linkage and association analysis of primary open-angle glaucoma endophenotypes in the Norfolk Island isolate. <i>Molecular Vision</i> , <b>2017</b> , 23, 660-665	2.3	0
190	The Immortal Life of Ethics? The Alienation of Body Tissue, Ethics and the Informed Consent Procedure Within Induced Pluripotent Stem Cell Research <b>2017</b> , 61-87		1
189	The Ark: a customizable web-based data management tool for health and medical research. <i>Bioinformatics</i> , <b>2017</b> , 33, 624-626	7.2	2
188	Assessment of polygenic effects links primary open-angle glaucoma and age-related macular degeneration. <i>Scientific Reports</i> , <b>2016</b> , 6, 26885	4.9	17
187	Enriched retinal ganglion cells derived from human embryonic stem cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 30552	11.2	59
186	Meta-analysis of gene-environment-wide association scans accounting for education level identifies additional loci for refractive error. <i>Nature Communications</i> , <b>2016</b> , 7, 11008	17.4	79
185	Response: Cycloplegia in refraction: age and cycloplegics. <i>Acta Ophthalmologica</i> , <b>2016</b> , 94, e373	3.7	
184	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> , <b>2016</b> , 13, 81	10.1	19
183	A COL17A1 Splice-Altering Mutation Is Prevalent in Inherited Recurrent Corneal Erosions. <i>Ophthalmology</i> , <b>2016</b> , 123, 709-22	7.3	21
182	Participant understanding and recall of informed consent for induced pluripotent stem cell biobanking. <i>Cell and Tissue Banking</i> , <b>2016</b> , 17, 449-56	2.2	19
181	Current Understanding of the Genetic Architecture of Rhegmatogenous Retinal Detachment. <i>Ophthalmic Genetics</i> , <b>2016</b> , 37, 121-9	1.2	9
180	Defined Medium Conditions for the Induction and Expansion of Human Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. <i>Stem Cell Reviews and Reports</i> , <b>2016</b> , 12, 179-88	6.4	19

179	Early Anesthesia Exposure and the Effect on Visual Acuity, Refractive Error, and Retinal Nerve Fiber Layer Thickness of Young Adults. <i>Journal of Pediatrics</i> , <b>2016</b> , 169, 256-9.e1	3.6	11
178	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , <b>2016</b> , 48, 134-43	36.3	769
177	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , <b>2016</b> , 48, 189-94	36.3	159
176	Study of mitochondrial respiratory defects on reprogramming to human induced pluripotent stem cells. <i>Aging</i> , <b>2016</b> , 8, 945-57	5.6	33
175	Deep sequencing of uveal melanoma identifies a recurrent mutation in PLCB4. <i>Oncotarget</i> , <b>2016</b> , 7, 4624-31	5.31	168
174	Ethical Considerations for the Return of Incidental Findings in Ophthalmic Genomic Research. <i>Translational Vision Science and Technology</i> , <b>2016</b> , 5, 3	3.3	8
173	Heterogeneity of Human Research Ethics Committees and Research Governance Offices across Australia: An observational study. <i>Australasian Medical Journal</i> , <b>2016</b> , 9, 33-9	2	14
172	Electrical Stimulation Promotes Cardiac Differentiation of Human Induced Pluripotent Stem Cells. <i>Stem Cells International</i> , <b>2016</b> , 2016, 1718041	5	57
171	AAV-Mediated CRISPR/Cas Gene Editing of Retinal Cells In Vivo <b>2016</b> , 57, 3470-6		97
170	Genetic Association at the 9p21 Glaucoma Locus Contributes to Sex Bias in Normal-Tension Glaucoma <b>2016</b> , 57, 3416-21		23
169	Angiopoietin receptor TEK mutations underlie primary congenital glaucoma with variable expressivity. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 2575-87	15.9	117
168	Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. <i>Nature Genetics</i> , <b>2016</b> , 48, 556-62	36.3	109
167	Genome engineering in ophthalmology: Application of CRISPR/Cas to the treatment of eye disease. <i>Progress in Retinal and Eye Research</i> , <b>2016</b> , 53, 1-20	20.5	36
166	An Interactive Multimedia Approach to Improving Informed Consent for Induced Pluripotent Stem Cell Research. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 307-8	18	27
165	Biological effect of LOXL1 coding variants associated with pseudoexfoliation syndrome. <i>Experimental Eye Research</i> , <b>2016</b> , 146, 212-223	3.7	16
164	A Global Social Media Survey of Attitudes to Human Genome Editing. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 569-72	18	56
163	Risk Alleles Associated with Neovascularization in a Pachychoroid Phenotype. <i>Ophthalmology</i> , <b>2016</b> , 123, 2628-2630	7.3	25
162	Giant cell arteritis: ophthalmic manifestations of a systemic disease. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2016</b> , 254, 2291-2306	3.8	33

161	Assessing the Genetic Predisposition of Education on Myopia: A Mendelian Randomization Study. <i>Genetic Epidemiology</i> , <b>2016</b> , 40, 66-72	2.6	39
160	Review of null hypothesis significance testing in the ophthalmic literature: are most 'significant' P values false positives?. <i>Clinical and Experimental Ophthalmology</i> , <b>2016</b> , 44, 52-61	2.4	4
159	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. <i>Nature Genetics</i> , <b>2015</b> , 47, 387-92	36.3	70
158	Common Sequence Variation in the VEGFC Gene Is Associated with Diabetic Retinopathy and Diabetic Macular Edema. <i>Ophthalmology</i> , <b>2015</b> , 122, 1828-36	7.3	18
157	Retinal microvessels reflect familial vulnerability to psychotic symptoms: A comparison of twins discordant for psychotic symptoms and controls. <i>Schizophrenia Research</i> , <b>2015</b> , 164, 47-52	3.6	33
156	Genome-wide association study for refractive astigmatism reveals genetic co-determination with spherical equivalent refractive error: the CREAM consortium. <i>Human Genetics</i> , <b>2015</b> , 134, 131-46	6.3	20
155	Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia. <i>Nature Communications</i> , <b>2015</b> , 6, 6689	17.4	56
154	Genome-wide association study for sight-threatening diabetic retinopathy reveals association with genetic variation near the GRB2 gene. <i>Diabetologia</i> , <b>2015</b> , 58, 2288-97	10.3	60
153	Screening phenotypically normal Caucasian Australians for the lysyl oxidase-like 1 gene. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 189-90	2.4	0
152	Don't it make your brown eyes blue? A comparison of iris colour across latitude in Australian twins. <i>Australasian journal of optometry, The</i> , <b>2015</b> , 98, 172-6	2.7	2
151	WNT10A exonic variant increases the risk of keratoconus by decreasing corneal thickness. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 5060-8	5.6	50
150	Occurrence of CYP1B1 Mutations in Juvenile Open-Angle Glaucoma With Advanced Visual Field Loss. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 826-33	3.9	15
149	Copy number variations of TBK1 in Australian patients with primary open-angle glaucoma. <i>American Journal of Ophthalmology</i> , <b>2015</b> , 159, 124-30.e1	4.9	54
148	Pterygium and conjunctival ultraviolet autofluorescence in young Australian adults: the Raine study. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 300-7	2.4	26
147	Genetic dissection of acute anterior uveitis reveals similarities and differences in associations observed with ankylosing spondylitis. <i>Arthritis and Rheumatology</i> , <b>2015</b> , 67, 140-51	9.5	78
146	Distribution of astigmatism as a function of age in an Australian population. <i>Acta Ophthalmologica</i> , <b>2015</b> , 93, e377-85	3.7	24
145	Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. <i>Stem Cells</i> , <b>2015</b> , 33, 3100-13	5.8	39
144	Clinical and molecular characterization of females affected by X-linked retinoschisis. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 643-7	2.4	6

143	Measurement of Systemic Mitochondrial Function in Advanced Primary Open-Angle Glaucoma and Leber Hereditary Optic Neuropathy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140919	3.7	47
142	Accurate Imputation-Based Screening of Gln368Ter Myocilin Variant in Primary Open-Angle Glaucoma <b>2015</b> , 56, 5087-93		15
141	Genetic and environmental factors in conjunctival UV autofluorescence. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 406-12	3.9	16
140	Projected worldwide disease burden from giant cell arteritis by 2050. <i>Journal of Rheumatology</i> , <b>2015</b> , 42, 119-25	4.1	56
139	A comparative analysis of high-throughput platforms for validation of a circulating microRNA signature in diabetic retinopathy. <i>Scientific Reports</i> , <b>2015</b> , 5, 10375	4.9	43
138	A genetic variant regulating miR-126 is associated with sight threatening diabetic retinopathy. <i>Diabetes and Vascular Disease Research</i> , <b>2015</b> , 12, 133-8	3.3	30
137	Current landscape of direct-to-consumer genetic testing and its role in ophthalmology: a review. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 578-90	2.4	8
136	A common variant near TGFBR3 is associated with primary open angle glaucoma. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 3880-92	5.6	84
135	ARHGEF12 influences the risk of glaucoma by increasing intraocular pressure. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 2689-99	5.6	62
134	Swimming goggle wear is not associated with an increased prevalence of glaucoma. <i>British Journal of Ophthalmology</i> , <b>2015</b> , 99, 255-7	5.5	8
133	Meta-analysis of Genome-Wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. <i>Genetic Epidemiology</i> , <b>2015</b> , 39, 207-16	2.6	58
132	TIMP1, TIMP2, and TIMP4 are increased in aqueous humor from primary open angle glaucoma patients. <i>Molecular Vision</i> , <b>2015</b> , 21, 1162-72	2.3	24
131	The use of heterochromatic flicker photometry to determine macular pigment optical density in a healthy Australian population. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2014</b> , 252, 417-21	3.8	8
130	Genetic study of diabetic retinopathy: recruitment methodology and analysis of baseline characteristics. <i>Clinical and Experimental Ophthalmology</i> , <b>2014</b> , 42, 486-93	2.4	11
129	Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma. <i>Nature Genetics</i> , <b>2014</b> , 46, 1126-1130	36.3	171
128	Myopia in young adults is inversely related to an objective marker of ocular sun exposure: the Western Australian Raine cohort study. <i>American Journal of Ophthalmology</i> , <b>2014</b> , 158, 1079-85	4.9	62
127	Common variants near ABCA1, AFAP1 and GMDS confer risk of primary open-angle glaucoma. <i>Nature Genetics</i> , <b>2014</b> , 46, 1120-1125	36.3	141
126	Comparison of monochromatic aberrations in young adults with different visual acuity and refractive errors. <i>Journal of Cataract and Refractive Surgery</i> , <b>2014</b> , 40, 441-9	2.3	12

125	Benchmarking undedicated cloud computing providers for analysis of genomic datasets. <i>PLoS ONE</i> , <b>2014</b> , 9, e108490	3.7	9
124	Replication of genetic loci implicated in diabetic retinopathy <b>2014</b> , 55, 1666-71		22
123	Meta-analysis of genome-wide association studies identifies novel loci that influence cupping and the glaucomatous process. <i>Nature Communications</i> , <b>2014</b> , 5, 4883	17.4	71
122	What is the appropriate age cut-off for cycloplegia in refraction?. <i>Acta Ophthalmologica</i> , <b>2014</b> , 92, e458-62	9.7	43
121	Profile of ocular trauma in the Solomon Islands. <i>Clinical and Experimental Ophthalmology</i> , <b>2014</b> , 42, 440-6	6.4	3
120	Translating the ENCyclopedia Of DNA Elements Project findings to the clinic: ENCODE's implications for eye disease. <i>Clinical and Experimental Ophthalmology</i> , <b>2014</b> , 42, 78-83	2.4	14
119	Myopia is associated with lower vitamin D status in young adults <b>2014</b> , 55, 4552-9		65
118	Meta-analysis of human methylation data for evidence of sex-specific autosomal patterns. <i>BMC Genomics</i> , <b>2014</b> , 15, 981	4.5	65
117	Genome-wide association study success in ophthalmology. <i>Current Opinion in Ophthalmology</i> , <b>2014</b> , 25, 386-93	5.1	20
116	Associations between depression and anxiety symptoms and retinal vessel caliber in adolescents and young adults. <i>Psychosomatic Medicine</i> , <b>2014</b> , 76, 732-8	3.7	19
115	Mutation in TMEM98 in a large white kindred with autosomal dominant nanophthalmos linked to 17p12-q12. <i>JAMA Ophthalmology</i> , <b>2014</b> , 132, 970-7	3.9	40
114	Vitreous biomarkers in diabetic retinopathy: a systematic review and meta-analysis. <i>Journal of Diabetes and Its Complications</i> , <b>2014</b> , 28, 419-25	3.2	44
113	Methods of Retinal Ganglion Cell Differentiation From Pluripotent Stem Cells. <i>Translational Vision Science and Technology</i> , <b>2014</b> , 3, 7	3.3	36
112	Myopia and skin cancer are inversely correlated: results of the Busselton Healthy Ageing Study. <i>Medical Journal of Australia</i> , <b>2014</b> , 200, 521-2	4	2
111	Registered report: Melanoma genome sequencing reveals frequent PREX2 mutations. <i>ELife</i> , <b>2014</b> , 3,	8.9	4
110	The association between pterygium and conjunctival ultraviolet autofluorescence: the Norfolk Island Eye Study. <i>Acta Ophthalmologica</i> , <b>2013</b> , 91, 363-70	3.7	45
109	Hypomethylation of the IL17RC promoter in peripheral blood leukocytes is not a hallmark of age-related macular degeneration. <i>Cell Reports</i> , <b>2013</b> , 5, 1527-35	10.6	37
108	Higher prevalence of myocilin mutations in advanced glaucoma in comparison with less advanced disease in an Australasian disease registry. <i>Ophthalmology</i> , <b>2013</b> , 120, 1135-43	7.3	36

107	Nine loci for ocular axial length identified through genome-wide association studies, including shared loci with refractive error. <i>American Journal of Human Genetics</i> , <b>2013</b> , 93, 264-77	11	116
106	Recessive mutations in SLC38A8 cause foveal hypoplasia and optic nerve misrouting without albinism. <i>American Journal of Human Genetics</i> , <b>2013</b> , 93, 1143-50	11	56
105	Genome-wide meta-analyses of multi-ancestry cohorts identify multiple new susceptibility loci for refractive error and myopia. <i>Nature Genetics</i> , <b>2013</b> , 45, 314-8	36.3	314
104	Research: Keep PubMed running at all costs. <i>Nature</i> , <b>2013</b> , 502, 303	50.4	1
103	A geometric morphometric assessment of hand shape and comparison to the 2D:4D digit ratio as a marker of sexual dimorphism. <i>Twin Research and Human Genetics</i> , <b>2013</b> , 16, 590-600	2.2	5
102	Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. <i>Nature Genetics</i> , <b>2013</b> , 45, 155-63	36.3	222
101	Establishment and evolution of the Australian Inherited Retinal Disease Register and DNA Bank. <i>Clinical and Experimental Ophthalmology</i> , <b>2013</b> , 41, 476-83	2.4	24
100	Raine eye health study: design, methodology and baseline prevalence of ophthalmic disease in a birth-cohort study of young adults. <i>Ophthalmic Genetics</i> , <b>2013</b> , 34, 199-208	1.2	41
99	Identification of a candidate gene for astigmatism <b>2013</b> , 54, 1260-7		23
98	Copy number variation at chromosome 5q21.2 is associated with intraocular pressure <b>2013</b> , 54, 3607-12		10
97	Association of eNOS polymorphisms with primary angle-closure glaucoma <b>2013</b> , 54, 2108-14		24
96	Insights into the genetic architecture of early stage age-related macular degeneration: a genome-wide association study meta-analysis. <i>PLoS ONE</i> , <b>2013</b> , 8, e53830	3.7	79
95	Genome-wide association study of retinopathy in individuals without diabetes. <i>PLoS ONE</i> , <b>2013</b> , 8, e54232	3.7	11
94	Genetic loci for retinal arteriolar microcirculation. <i>PLoS ONE</i> , <b>2013</b> , 8, e65804	3.7	19
93	Association of genetic variants with primary angle closure glaucoma in two different populations. <i>PLoS ONE</i> , <b>2013</b> , 8, e67903	3.7	29
92	Explosion of ophthalmic collaborative research networks in Australia. <i>Clinical and Experimental Ophthalmology</i> , <b>2013</b> , 41, 310-1	2.4	1
91	Interrogation of the platelet-derived growth factor receptor alpha locus and corneal astigmatism in Australians of Northern European ancestry: results of a genome-wide association study. <i>Molecular Vision</i> , <b>2013</b> , 19, 1238-46	2.3	7
90	Influence of weather conditions on ophthalmic emergency presentations. <i>Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 40, 322-3	2.4	2

89	Missing X and Y: a review of participant ages in population-based eye studies. <i>Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 40, 305-19	2.4	9
88	Australian and New Zealand Registry of Advanced Glaucoma: methodology and recruitment. <i>Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 40, 569-75	2.4	45
87	Large scale international replication and meta-analysis study confirms association of the 15q14 locus with myopia. The CREAM consortium. <i>Human Genetics</i> , <b>2012</b> , 131, 1467-80	6.3	57
86	Glaucoma risk alleles at CDKN2B-AS1 are associated with lower intraocular pressure, normal-tension glaucoma, and advanced glaucoma. <i>Ophthalmology</i> , <b>2012</b> , 119, 1539-45	7.3	64
85	Genetic investigation into the endophenotypic status of central corneal thickness and optic disc parameters in relation to open-angle glaucoma. <i>American Journal of Ophthalmology</i> , <b>2012</b> , 154, 833-842.e2	4.9	25
84	The p53 codon 72 PRO/PRO genotype may be associated with initial central visual field defects in caucasians with primary open angle glaucoma. <i>PLoS ONE</i> , <b>2012</b> , 7, e45613	3.7	17
83	Genetic variants near PDGFRA are associated with corneal curvature in Australians <b>2012</b> , 53, 7131-6		31
82	Association of genetic variants in the TMCO1 gene with clinical parameters related to glaucoma and characterization of the protein in the eye <b>2012</b> , 53, 4917-25		33
81	The association between time spent outdoors and myopia using a novel biomarker of outdoor light exposure <b>2012</b> , 53, 4363-70		66
80	Common genetic determinants of intraocular pressure and primary open-angle glaucoma. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002611	6	131
79	Association of TCF4 and CLU polymorphisms with Fuchs' endothelial dystrophy and implication of CLU and TGFBI proteins in the disease process. <i>European Journal of Human Genetics</i> , <b>2012</b> , 20, 632-8	5.3	51
78	Elevation of serum asymmetrical and symmetrical dimethylarginine in patients with advanced glaucoma <b>2012</b> , 53, 1923-7		33
77	Google-based search of common blinding diseases: a reflection of public concerns. <i>British Journal of Ophthalmology</i> , <b>2012</b> , 96, 1444-5	5.5	
76	Heritability of strabismus: genetic influence is specific to eso-deviation and independent of refractive error. <i>Twin Research and Human Genetics</i> , <b>2012</b> , 15, 624-30	2.2	20
75	Authors' response Approach to evaluating the reliability and validity of conjunctival ultraviolet autofluorescence measurement. <i>British Journal of Ophthalmology</i> , <b>2012</b> , 96, 1271.2-1271	5.5	
74	Epigenetic effects on eye diseases. <i>Expert Review of Ophthalmology</i> , <b>2012</b> , 7, 127-134	1.5	4
73	Reliability and validity of conjunctival ultraviolet autofluorescence measurement. <i>British Journal of Ophthalmology</i> , <b>2012</b> , 96, 801-5	5.5	39
72	Role of the TCF4 gene intronic variant in normal variation of corneal endothelium. <i>Cornea</i> , <b>2012</b> , 31, 1623-6	3.1	7

71	Optic disc evaluation in optic neuropathies: the optic disc assessment project. <i>Ophthalmology</i> , <b>2011</b> , 118, 964-70	7.3	29
70	Association of polymorphisms in the hepatocyte growth factor gene promoter with keratoconus <b>2011</b> , 52, 8514-9		101
69	Ethnic and mouse strain differences in central corneal thickness and association with pigmentation phenotype. <i>PLoS ONE</i> , <b>2011</b> , 6, e22103	3.7	14
68	Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMCO1 and CDKN2B-AS1. <i>Nature Genetics</i> , <b>2011</b> , 43, 574-8	36.3	329
67	Rationale, methods and baseline demographics of the Bhaktapur Glaucoma Study. <i>Clinical and Experimental Ophthalmology</i> , <b>2011</b> , 39, 126-34	2.4	12
66	Classification of iris colour: review and refinement of a classification schema. <i>Clinical and Experimental Ophthalmology</i> , <b>2011</b> , 39, 462-71	2.4	29
65	Prevalence and predictors of refractive error in a genetically isolated population: the Norfolk Island Eye Study. <i>Clinical and Experimental Ophthalmology</i> , <b>2011</b> , 39, 734-42	2.4	11
64	Ophthalmic phenotypes and the representativeness of twin data for the general population <b>2011</b> , 52, 5565-72		14
63	The Norfolk Island Eye Study (NIES): rationale, methodology and distribution of ocular biometry (biometry of the bounty). <i>Twin Research and Human Genetics</i> , <b>2011</b> , 14, 42-52	2.2	10
62	Prevalence of chronic ocular diseases in a genetic isolate: the Norfolk Island Eye Study (NIES). <i>Ophthalmic Epidemiology</i> , <b>2011</b> , 18, 61-71	1.9	8
61	Mitochondrial oxidative phosphorylation compensation may preserve vision in patients with OPA1-linked autosomal dominant optic atrophy. <i>PLoS ONE</i> , <b>2011</b> , 6, e21347	3.7	37
60	Common variants near CAV1 and CAV2 are associated with primary open-angle glaucoma. <i>Nature Genetics</i> , <b>2010</b> , 42, 906-9	36.3	303
59	A genome-wide association study for myopia and refractive error identifies a susceptibility locus at 15q25. <i>Nature Genetics</i> , <b>2010</b> , 42, 902-5	36.3	179
58	The path to open-angle glaucoma gene discovery: endophenotypic status of intraocular pressure, cup-to-disc ratio, and central corneal thickness <b>2010</b> , 51, 3509-14		79
57	Automated quantification of inherited phenotypes from color images: a twin study of the variability of optic nerve head shape <b>2010</b> , 51, 5870-7		6
56	Common genetic variants near the Brittle Cornea Syndrome locus ZNF469 influence the blinding disease risk factor central corneal thickness. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1000947	6	106
55	Genome-wide association identifies ATOH7 as a major gene determining human optic disc size. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 2716-24	5.6	118
54	Four novel Loci (19q13, 6q24, 12q24, and 5q14) influence the microcirculation in vivo. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1001184	6	111



53	Automated volumetric evaluation of stereoscopic disc photography. <i>Optics Express</i> , <b>2010</b> , 18, 11347-59	3.3	9
52	A geometric morphometric assessment of the optic cup in glaucoma. <i>Experimental Eye Research</i> , <b>2010</b> , 91, 405-14	3.7	13
51	The heritability of ocular traits. <i>Survey of Ophthalmology</i> , <b>2010</b> , 55, 561-83	6.1	111
50	Associations of birth weight with ocular biometry, refraction, and glaucomatous endophenotypes: the Australian Twins Eye Study. <i>American Journal of Ophthalmology</i> , <b>2010</b> , 150, 909-16	4.9	21
49	Systemic disease associations of familial and sporadic glaucoma: the Glaucoma Inheritance Study in Tasmania. <i>Acta Ophthalmologica</i> , <b>2010</b> , 88, 70-4	3.7	9
48	Novel quantitative trait loci for central corneal thickness identified by candidate gene analysis of osteogenesis imperfecta genes. <i>Human Genetics</i> , <b>2010</b> , 127, 33-44	6.3	30
47	Tag SNPs detect association of the CYP1B1 gene with primary open angle glaucoma. <i>Molecular Vision</i> , <b>2010</b> , 16, 2286-93	2.3	8
46	Heritability of central corneal thickness in nuclear families <b>2009</b> , 50, 4087-90		40
45	Quantitative genetic analysis of the retinal vascular caliber: the Australian Twins Eye Study. <i>Hypertension</i> , <b>2009</b> , 54, 788-95	8.5	34
44	Twins eye study in Tasmania (TEST): rationale and methodology to recruit and examine twins. <i>Twin Research and Human Genetics</i> , <b>2009</b> , 12, 441-54	2.2	33
43	Effect of birth parameters on retinal vascular caliber: the Twins Eye Study in Tasmania. <i>Hypertension</i> , <b>2009</b> , 53, 487-93	8.5	36
42	A systematic meta-analysis of genetic association studies for diabetic retinopathy. <i>Diabetes</i> , <b>2009</b> , 58, 2137-47	0.9	160
41	Rapid inexpensive genome-wide association using pooled whole blood. <i>Genome Research</i> , <b>2009</b> , 19, 2075-80	5.80	35
40	The optic nerve head in hereditary optic neuropathies. <i>Nature Reviews Neurology</i> , <b>2009</b> , 5, 277-87	15	16
39	Genetic influences on handedness: data from 25,732 Australian and Dutch twin families. <i>Neuropsychologia</i> , <b>2009</b> , 47, 330-7	3.2	205
38	Optic disc morphology--rethinking shape. <i>Progress in Retinal and Eye Research</i> , <b>2009</b> , 28, 227-48	20.5	39
37	Primary open angle glaucoma in subjects harbouring the predicted GLC1L haplotype reveals a normotensive phenotype. <i>Clinical and Experimental Ophthalmology</i> , <b>2009</b> , 37, 201-7	2.4	2
36	Sensitivity of confocal laser tomography versus optical coherence tomography in detecting advanced glaucoma. <i>Clinical and Experimental Ophthalmology</i> , <b>2009</b> , 37, 836-41; quiz 903-4	2.4	5

35	Identification of LOXL1 protein and Apolipoprotein E as components of surgically isolated pseudoexfoliation material by direct mass spectrometry. <i>Experimental Eye Research</i> , <b>2009</b> , 89, 479-85	3.7	65
34	The pathogenesis of the glaucomas: nature versus nurture. <i>Clinical and Experimental Ophthalmology</i> , <b>2008</b> , 36, 297-297	2.4	1
33	Genetic dissection of myopia: evidence for linkage of ocular axial length to chromosome 5q. <i>Ophthalmology</i> , <b>2008</b> , 115, 1053-1057.e2	7.3	39
32	Functional and structural implications of the complement factor H Y402H polymorphism associated with age-related macular degeneration. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 1763-70		70
31	Heritability of the iridotrabecular angle width measured by optical coherence tomography in Chinese children: the Guangzhou twin eye study. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 1356-61		20
30	Apparent autosomal dominant keratoconus in a large Australian pedigree accounted for by digenic inheritance of two novel loci. <i>Human Genetics</i> , <b>2008</b> , 124, 379-86	6.3	63
29	Myocilin allele-specific glaucoma phenotype database. <i>Human Mutation</i> , <b>2008</b> , 29, 207-11	4.7	84
28	Genetic isolates in ophthalmic diseases. <i>Ophthalmic Genetics</i> , <b>2008</b> , 29, 149-61	1.2	21
27	Ancestral LOXL1 variants are associated with pseudoexfoliation in Caucasian Australians but with markedly lower penetrance than in Nordic people. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 710-6	5.6	129
26	PAX6 mutations may be associated with high myopia. <i>Ophthalmic Genetics</i> , <b>2007</b> , 28, 179-82	1.2	45
25	Heritable features of the optic disc: a novel twin method for determining genetic significance. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 2469-75		22
24	Screening for glaucomatous disc changes prior to diagnosis of glaucoma in myocilin pedigrees. <i>JAMA Ophthalmology</i> , <b>2007</b> , 125, 112-6		5
23	How significant is a family history of glaucoma? Experience from the Glaucoma Inheritance Study in Tasmania. <i>Clinical and Experimental Ophthalmology</i> , <b>2007</b> , 35, 793-9	2.4	54
22	Genetic diseases of the optic nerve head: from embryogenesis to pathogenesis. <i>Expert Review of Ophthalmology</i> , <b>2007</b> , 2, 769-777	1.5	
21	The optic nerve head in myocilin glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 238-43		14
20	Myocilin Gly252Arg mutation and glaucoma of intermediate severity in Caucasian individuals. <i>JAMA Ophthalmology</i> , <b>2007</b> , 125, 98-104		11
19	Autosomal dominant optic atrophy: penetrance and expressivity in patients with OPA1 mutations. <i>American Journal of Ophthalmology</i> , <b>2007</b> , 143, 656-62	4.9	101
18	Investigation of founder effects for the Thr377Met Myocilin mutation in glaucoma families from differing ethnic backgrounds. <i>Molecular Vision</i> , <b>2007</b> , 13, 487-92	2.3	10

17	Nosology and the glaucomas. <i>Clinical and Experimental Ophthalmology</i> , <b>2006</b> , 34, 94	2.4	
16	Tools for cup:disc ratio measurement. <i>Clinical and Experimental Ophthalmology</i> , <b>2006</b> , 34, 288-9; author reply 289	2.4	1
15	Complex genetics of complex traits: the case of primary open-angle glaucoma. <i>Clinical and Experimental Ophthalmology</i> , <b>2006</b> , 34, 472-84	2.4	60
14	Familial transmission risk of infantile glaucoma in Australia. <i>Ophthalmic Genetics</i> , <b>2006</b> , 27, 93-7	1.2	3
13	A myocilin Gln368STOP homozygote does not exhibit a more severe glaucoma phenotype than heterozygous cases. <i>American Journal of Ophthalmology</i> , <b>2006</b> , 141, 402-3	4.9	16
12	A Glaucoma Case-control Study of the WDR36 Gene D658G sequence variant. <i>American Journal of Ophthalmology</i> , <b>2006</b> , 142, 324-5	4.9	58
11	Disease severity of familial glaucoma compared with sporadic glaucoma. <i>JAMA Ophthalmology</i> , <b>2006</b> , 124, 950-4		34
10	Influence of photodynamic therapy for age related macular degeneration upon subjective vision related quality of life. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2006</b> , 244, 972-7	3.8	13
9	Relationship between corneal thickness and optic disc damage in glaucoma. <i>Clinical and Experimental Ophthalmology</i> , <b>2005</b> , 33, 158-63	2.4	16
8	Genotypic and phenotypic spectrum of X-linked retinoschisis in Australia. <i>Clinical and Experimental Ophthalmology</i> , <b>2005</b> , 33, 233-9	2.4	26
7	Central corneal thickness is highly heritable: the twin eye studies. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 3718-22		115
6	Posterior capsule opacification after cataract surgery in remote Australian Aboriginal patients. <i>Clinical and Experimental Ophthalmology</i> , <b>2002</b> , 30, 248-51	2.4	6
5	Visual outcomes for remote Australian Aboriginal people after cataract surgery. <i>Clinical and Experimental Ophthalmology</i> , <b>2001</b> , 29, 68-74	2.4	8
4	Genotype-free demultiplexing of pooled single-cell RNA-seq		5
3	Mitochondrial replacement in an iPSC model of Leber's hereditary optic neuropathy		1
2	A large cross-ancestry meta-analysis of genome-wide association studies identifies 69 novel risk loci for primary open-angle glaucoma and includes a genetic link with Alzheimer's disease		4
1	Efficacy and dynamics of self-targeting CRISPR/Cas constructs for gene editing in the retina		1