Alex W. Hewitt

List of Publications by Citations

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	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. *Nature Genetics*, **2016**, 48, 134-43	36.3	769
321	Rare and low-frequency coding variants alter human adult height. *Nature*, **2017**, 542, 186-190	50.4	412
320	Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMCO1 and CDKN2B-AS1. *Nature Genetics*, **2011**, 43, 574-8	36.3	329
319	Genome-wide meta-analyses of multiancestry cohorts identify multiple new susceptibility loci for refractive error and myopia. *Nature Genetics*, **2013**, 45, 314-8	36.3	314
318	Common variants near CAV1 and CAV2 are associated with primary open-angle glaucoma. *Nature Genetics*, **2010**, 42, 906-9	36.3	303
317	Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. *Nature Genetics*, **2013**, 45, 155-63	36.3	222
316	Genetic influences on handedness: data from 25,732 Australian and Dutch twin families. *Neuropsychologia*, **2009**, 47, 330-7	3.2	205
315	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nature Genetics*, **2018**, 50, 26-41	36.3	186
314	A genome-wide association study for myopia and refractive error identifies a susceptibility locus at 15q25. *Nature Genetics*, **2010**, 42, 902-5	36.3	179
313	Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma. *Nature Genetics*, **2014**, 46, 1126-1130	36.3	171
312	Deep sequencing of uveal melanoma identifies a recurrent mutation in PLCB4. *Oncotarget*, **2016**, 7, 4624-31	5.31	168
311	A systematic meta-analysis of genetic association studies for diabetic retinopathy. *Diabetes*, **2009**, 58, 2137-47	0.9	160
310	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. *Nature Genetics*, **2016**, 48, 189-94	36.3	159
309	Common variants near ABCA1, AFAP1 and GMDS confer risk of primary open-angle glaucoma. *Nature Genetics*, **2014**, 46, 1120-1125	36.3	141
308	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. *Nature Genetics*, **2018**, 50, 834-848	36.3	135
307	Common genetic determinants of intraocular pressure and primary open-angle glaucoma. *PLoS Genetics*, **2012**, 8, e1002611	6	131
306	Ancestral LOXL1 variants are associated with pseudoexfoliation in Caucasian Australians but with markedly lower penetrance than in Nordic people. *Human Molecular Genetics*, **2008**, 17, 710-6	5.6	129

305	Genome-wide association identifies ATOH7 as a major gene determining human optic disc size. *Human Molecular Genetics*, **2010**, 19, 2716-24	5.6	118
304	Angiopoietin receptor TEK mutations underlie primary congenital glaucoma with variable expressivity. *Journal of Clinical Investigation*, **2016**, 126, 2575-87	15.9	117
303	Nine loci for ocular axial length identified through genome-wide association studies, including shared loci with refractive error. *American Journal of Human Genetics*, **2013**, 93, 264-77	11	116
302	Central corneal thickness is highly heritable: the twin eye studies. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 3718-22		115
301	Four novel Loci (19q13, 6q24, 12q24, and 5q14) influence the microcirculation in vivo. *PLoS Genetics* , **2010**, 6, e1001184	6	111
300	The heritability of ocular traits. *Survey of Ophthalmology*, **2010**, 55, 561-83	6.1	111
299	Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. *Nature Genetics*, **2016**, 48, 556-62	36.3	109
298	Common genetic variants near the Brittle Cornea Syndrome locus ZNF469 influence the blinding disease risk factor central corneal thickness. *PLoS Genetics*, **2010**, 6, e1000947	6	106
297	Association of polymorphisms in the hepatocyte growth factor gene promoter with keratoconus **2011**, 52, 8514-9		101
296	Autosomal dominant optic atrophy: penetrance and expressivity in patients with OPA1 mutations. *American Journal of Ophthalmology*, **2007**, 143, 656-62	4.9	101
295	AAV-Mediated CRISPR/Cas Gene Editing of Retinal Cells In Vivo **2016**, 57, 3470-6		97
294	Genome-wide association study of intraocular pressure uncovers new pathways to glaucoma. *Nature Genetics*, **2018**, 50, 1067-1071	36.3	86
293	A common variant near TGFBR3 is associated with primary open angle glaucoma. *Human Molecular Genetics*, **2015**, 24, 3880-92	5.6	84
292	Myocilin allele-specific glaucoma phenotype database. *Human Mutation*, **2008**, 29, 207-11	4.7	84
291	New insights into the genetics of primary open-angle glaucoma based on meta-analyses of intraocular pressure and optic disc characteristics. *Human Molecular Genetics*, **2017**, 26, 438-453	5.6	80
290	Meta-analysis of gene-environment-wide association scans accounting for education level identifies additional loci for refractive error. *Nature Communications*, **2016**, 7, 11008	17.4	79
289	Insights into the genetic architecture of early stage age-related macular degeneration: a genome-wide association study meta-analysis. *PLoS ONE*, **2013**, 8, e53830	3.7	79
288	The path to open-angle glaucoma gene discovery: endophenotypic status of intraocular pressure, cup-to-disc ratio, and central corneal thickness **2010**, 51, 3509-14		79

287	Genetic dissection of acute anterior uveitis reveals similarities and differences in associations observed with ankylosing spondylitis. *Arthritis and Rheumatology*, **2015**, 67, 140-51	9.5	78
286	Multitrait analysis of glaucoma identifies new risk loci and enables polygenic prediction of disease susceptibility and progression. *Nature Genetics*, **2020**, 52, 160-166	36.3	78
285	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. *Nature Genetics*, **2017**, 49, 993-1004	36.3	72
284	Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. *Human Molecular Genetics*, **2018**, 27, 1486-1496	5.6	72
283	Current state and future prospects of artificial intelligence in ophthalmology: a review. *Clinical and Experimental Ophthalmology*, **2019**, 47, 128-139	2.4	72
282	Meta-analysis of genome-wide association studies identifies novel loci that influence cupping and the glaucomatous process. *Nature Communications*, **2014**, 5, 4883	17.4	71
281	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. *Nature Genetics*, **2015**, 47, 387-92	36.3	70
280	Functional and structural implications of the complement factor H Y402H polymorphism associated with age-related macular degeneration. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 1763-70		70
279	Meta-analysis of 542,934 subjects of European ancestry identifies new genes and mechanisms predisposing to refractive error and myopia. *Nature Genetics*, **2020**, 52, 401-407	36.3	68
278	The association between time spent outdoors and myopia using a novel biomarker of outdoor light exposure **2012**, 53, 4363-70		66
277	Myopia is associated with lower vitamin D status in young adults **2014**, 55, 4552-9		65
276	Meta-analysis of human methylation data for evidence of sex-specific autosomal patterns. *BMC Genomics*, **2014**, 15, 981	4.5	65
275	Identification of LOXL1 protein and Apolipoprotein E as components of surgically isolated pseudoexfoliation material by direct mass spectrometry. *Experimental Eye Research*, **2009**, 89, 479-85	3.7	65
274	PSEN1E9, APPswe, and APOE4 Confer Disparate Phenotypes in Human iPSC-Derived Microglia. *Stem Cell Reports*, **2019**, 13, 669-683	8	64
273	Glaucoma risk alleles at CDKN2B-AS1 are associated with lower intraocular pressure, normal-tension glaucoma, and advanced glaucoma. *Ophthalmology*, **2012**, 119, 1539-45	7.3	64
272	Apparent autosomal dominant keratoconus in a large Australian pedigree accounted for by digenic inheritance of two novel loci. *Human Genetics*, **2008**, 124, 379-86	6.3	63
271	Myopia in young adults is inversely related to an objective marker of ocular sun exposure: the Western Australian Raine cohort study. *American Journal of Ophthalmology*, **2014**, 158, 1079-85	4.9	62
270	ARHGEF12 influences the risk of glaucoma by increasing intraocular pressure. *Human Molecular Genetics*, **2015**, 24, 2689-99	5.6	62

269	Genome-wide association study for sight-threatening diabetic retinopathy reveals association with genetic variation near the GRB2 gene. *Diabetologia*, **2015**, 58, 2288-97	10.3	60
268	Complex genetics of complex traits: the case of primary open-angle glaucoma. *Clinical and Experimental Ophthalmology*, **2006**, 34, 472-84	2.4	60
267	Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. *Nature Genetics*, **2021**, 53, 1300-1310	36.3	60
266	Genome-wide association meta-analysis of individuals of European ancestry identifies new loci explaining a substantial fraction of hair color variation and heritability. *Nature Genetics*, **2018**, 50, 652-656	36.3	59
265	Enriched retinal ganglion cells derived from human embryonic stem cells. *Scientific Reports*, **2016**, 6, 30552	4.9	59
264	Meta-analysis of Genome-Wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. *Genetic Epidemiology*, **2015**, 39, 207-16	2.6	58
263	A Glaucoma Case-control Study of the WDR36 Gene D658G sequence variant. *American Journal of Ophthalmology*, **2006**, 142, 324-5	4.9	58
262	Drusen in patient-derived hiPSC-RPE models of macular dystrophies. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8214-E8223	11.5	57
261	Large scale international replication and meta-analysis study confirms association of the 15q14 locus with myopia. The CREAM consortium. *Human Genetics*, **2012**, 131, 1467-80	6.3	57
260	Angiopoietin-1 is required for Schlemm's canal development in mice and humans. *Journal of Clinical Investigation*, **2017**, 127, 4421-4436	15.9	57
259	Electrical Stimulation Promotes Cardiac Differentiation of Human Induced Pluripotent Stem Cells. *Stem Cells International*, **2016**, 2016, 1718041	5	57
258	Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia. *Nature Communications*, **2015**, 6, 6689	17.4	56
257	Recessive mutations in SLC38A8 cause foveal hypoplasia and optic nerve misrouting without albinism. *American Journal of Human Genetics*, **2013**, 93, 1143-50	11	56
256	Projected worldwide disease burden from giant cell arteritis by 2050. *Journal of Rheumatology*, **2015**, 42, 119-25	4.1	56
255	A Global Social Media Survey of Attitudes to Human Genome Editing. *Cell Stem Cell*, **2016**, 18, 569-72	18	56
254	Copy number variations of TBK1 in Australian patients with primary open-angle glaucoma. *American Journal of Ophthalmology*, **2015**, 159, 124-30.e1	4.9	54
253	How significant is a family history of glaucoma? Experience from the Glaucoma Inheritance Study in Tasmania. *Clinical and Experimental Ophthalmology*, **2007**, 35, 793-9	2.4	54
252	Association of TCF4 and CLU polymorphisms with Fuchs' endothelial dystrophy and implication of CLU and TGFBI proteins in the disease process. *European Journal of Human Genetics*, **2012**, 20, 632-8	5.3	51

251	WNT10A exonic variant increases the risk of keratoconus by decreasing corneal thickness. *Human Molecular Genetics*, **2015**, 24, 5060-8	5.6	50
250	Measurement of Systemic Mitochondrial Function in Advanced Primary Open-Angle Glaucoma and Leber Hereditary Optic Neuropathy. *PLoS ONE*, **2015**, 10, e0140919	3.7	47
249	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. *Nature Communications*, **2021**, 12, 1258	17.4	47
248	Novel pleiotropic risk loci for melanoma and nevus density implicate multiple biological pathways. *Nature Communications*, **2018**, 9, 4774	17.4	47
247	Gene therapy for visual loss: Opportunities and concerns. *Progress in Retinal and Eye Research*, **2019** , 68, 31-53	20.5	46
246	The association between pterygium and conjunctival ultraviolet autofluorescence: the Norfolk Island Eye Study. *Acta Ophthalmologica*, **2013**, 91, 363-70	3.7	45
245	Australian and New Zealand Registry of Advanced Glaucoma: methodology and recruitment. *Clinical and Experimental Ophthalmology*, **2012**, 40, 569-75	2.4	45
244	PAX6 mutations may be associated with high myopia. *Ophthalmic Genetics*, **2007**, 28, 179-82	1.2	45
243	Vitreous biomarkers in diabetic retinopathy: a systematic review and meta-analysis. *Journal of Diabetes and Its Complications*, **2014**, 28, 419-25	3.2	44
242	A comparative analysis of high-throughput platforms for validation of a circulating microRNA signature in diabetic retinopathy. *Scientific Reports*, **2015**, 5, 10375	4.9	43
241	What is the appropriate age cut-off for cycloplegia in refraction?. *Acta Ophthalmologica*, **2014**, 92, e458-62	3.7	43
240	Raine eye health study: design, methodology and baseline prevalence of ophthalmic disease in a birth-cohort study of young adults. *Ophthalmic Genetics*, **2013**, 34, 199-208	1.2	41
239	Mutation in TMEM98 in a large white kindred with autosomal dominant nanophthalmos linked to 17p12-q12. *JAMA Ophthalmology*, **2014**, 132, 970-7	3.9	40
238	Heritability of central corneal thickness in nuclear families **2009**, 50, 4087-90		40
237	Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. *Stem Cells*, **2015**, 33, 3100-13	5.8	39
236	Optic disc morphology--rethinking shape. *Progress in Retinal and Eye Research*, **2009**, 28, 227-48	20.5	39
235	Reliability and validity of conjunctival ultraviolet autofluorescence measurement. *British Journal of Ophthalmology*, **2012**, 96, 801-5	5.5	39
234	Genetic dissection of myopia: evidence for linkage of ocular axial length to chromosome 5q. *Ophthalmology*, **2008**, 115, 1053-1057.e2	7.3	39

233	Assessing the Genetic Predisposition of Education on Myopia: A Mendelian Randomization Study. *Genetic Epidemiology*, **2016**, 40, 66-72	2.6	39
232	Hypomethylation of the IL17RC promoter in peripheral blood leukocytes is not a hallmark of age-related macular degeneration. *Cell Reports*, **2013**, 5, 1527-35	10.6	37
231	Mitochondrial oxidative phosphorylation compensation may preserve vision in patients with OPA1-linked autosomal dominant optic atrophy. *PLoS ONE*, **2011**, 6, e21347	3.7	37
230	Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases. *Nature Communications*, **2018**, 9, 1864	17.4	37
229	Higher prevalence of myocilin mutations in advanced glaucoma in comparison with less advanced disease in an Australasian disease registry. *Ophthalmology*, **2013**, 120, 1135-43	7.3	36
228	Effect of birth parameters on retinal vascular caliber: the Twins Eye Study in Tasmania. *Hypertension*, **2009**, 53, 487-93	8.5	36
227	Methods of Retinal Ganglion Cell Differentiation From Pluripotent Stem Cells. *Translational Vision Science and Technology*, **2014**, 3, 7	3.3	36
226	Genome engineering in ophthalmology: Application of CRISPR/Cas to the treatment of eye disease. *Progress in Retinal and Eye Research*, **2016**, 53, 1-20	20.5	36
225	Rapid inexpensive genome-wide association using pooled whole blood. *Genome Research*, **2009**, 19, 2075-80	9.7	35
224	Mitochondrial replacement in an iPSC model of Leber's hereditary optic neuropathy. *Aging*, **2017**, 9, 1341-1350	5.6	35
223	Genetically low vitamin D concentrations and myopic refractive error: a Mendelian randomization study. *International Journal of Epidemiology*, **2017**, 46, 1882-1890	7.8	34
222	Quantitative genetic analysis of the retinal vascular caliber: the Australian Twins Eye Study. *Hypertension*, **2009**, 54, 788-95	8.5	34
221	Disease severity of familial glaucoma compared with sporadic glaucoma. *JAMA Ophthalmology*, **2006**, 124, 950-4		34
220	Retinal microvessels reflect familial vulnerability to psychotic symptoms: A comparison of twins discordant for psychotic symptoms and controls. *Schizophrenia Research*, **2015**, 164, 47-52	3.6	33
219	Association of genetic variants in the TMCO1 gene with clinical parameters related to glaucoma and characterization of the protein in the eye **2012**, 53, 4917-25		33
218	Twins eye study in Tasmania (TEST): rationale and methodology to recruit and examine twins. *Twin Research and Human Genetics*, **2009**, 12, 441-54	2.2	33
217	Elevation of serum asymmetrical and symmetrical dimethylarginine in patients with advanced glaucoma **2012**, 53, 1923-7		33
216	Study of mitochondrial respiratory defects on reprogramming to human induced pluripotent stem cells. *Aging*, **2016**, 8, 945-57	5.6	33

215	Giant cell arteritis: ophthalmic manifestations of a systemic disease. *Graefeks Archive for Clinical and Experimental Ophthalmology*, **2016**, 254, 2291-2306	3.8	33
214	Genome-wide association studies for diabetic macular edema and proliferative diabetic retinopathy. *BMC Medical Genetics*, **2018**, 19, 71	2.1	32
213	Genetic variants near PDGFRA are associated with corneal curvature in Australians **2012**, 53, 7131-6		31
212	Drug discovery using induced pluripotent stem cell models of neurodegenerative and ocular diseases. *Pharmacology & Therapeutics*, **2017**, 177, 32-43	13.9	30
211	Genome-Wide Association Shows that Pigmentation Genes Play a Role in Skin Aging. *Journal of Investigative Dermatology*, **2017**, 137, 1887-1894	4.3	30
210	A genetic variant regulating miR-126 is associated with sight threatening diabetic retinopathy. *Diabetes and Vascular Disease Research*, **2015**, 12, 133-8	3.3	30
209	Novel quantitative trait loci for central corneal thickness identified by candidate gene analysis of osteogenesis imperfecta genes. *Human Genetics*, **2010**, 127, 33-44	6.3	30
208	Single cell RNA sequencing of stem cell-derived retinal ganglion cells. *Scientific Data*, **2018**, 5, 180013	8.2	29
207	Association of genetic variants with primary angle closure glaucoma in two different populations. *PLoS ONE*, **2013**, 8, e67903	3.7	29
206	Optic disc evaluation in optic neuropathies: the optic disc assessment project. *Ophthalmology*, **2011** , 118, 964-70	7.3	29
205	Classification of iris colour: review and refinement of a classification schema. *Clinical and Experimental Ophthalmology*, **2011**, 39, 462-71	2.4	29
204	An Interactive Multimedia Approach to Improving Informed Consent for Induced Pluripotent Stem Cell Research. *Cell Stem Cell*, **2016**, 18, 307-8	18	27
203	Pterygium and conjunctival ultraviolet autofluorescence in young Australian adults: the Raine study. *Clinical and Experimental Ophthalmology*, **2015**, 43, 300-7	2.4	26
202	Automated Cell Culture Systems and Their Applications to Human Pluripotent Stem Cell Studies. *SLAS Technology*, **2018**, 23, 315-325	3	26
201	Genotypic and phenotypic spectrum of X-linked retinoschisis in Australia. *Clinical and Experimental Ophthalmology*, **2005**, 33, 233-9	2.4	26
200	Smartphone use in ophthalmology: What is their place in clinical practice?. *Survey of Ophthalmology*, **2020**, 65, 250-262	6.1	26
199	Glaucoma spectrum and age-related prevalence of individuals with FOXC1 and PITX2 variants. *European Journal of Human Genetics*, **2017**, 25, 839-847	5.3	25
198	Analysis combining correlated glaucoma traits identifies five new risk loci for open-angle glaucoma. *Scientific Reports*, **2018**, 8, 3124	4.9	25

197	Genetic investigation into the endophenotypic status of central corneal thickness and optic disc parameters in relation to open-angle glaucoma. *American Journal of Ophthalmology*, **2012**, 154, 833-842.e2	4.9	25
196	Risk Alleles Associated with Neovascularization in a Pachychoroid Phenotype. *Ophthalmology*, **2016**, 123, 2628-2630	7.3	25
195	Prevalence of Keratoconus Based on Scheimpflug Imaging: The Raine Study. *Ophthalmology*, **2021**, 128, 515-521	7.3	25
194	Distribution of astigmatism as a function of age in an Australian population. *Acta Ophthalmologica*, **2015**, 93, e377-85	3.7	24
193	Establishment and evolution of the Australian Inherited Retinal Disease Register and DNA Bank. *Clinical and Experimental Ophthalmology*, **2013**, 41, 476-83	2.4	24
192	Association of eNOS polymorphisms with primary angle-closure glaucoma **2013**, 54, 2108-14		24
191	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
190	TIMP1, TIMP2, and TIMP4 are increased in aqueous humor from primary open angle glaucoma patients. *Molecular Vision*, **2015**, 21, 1162-72	2.3	24
189	Association of Genetic Variation With Keratoconus. *JAMA Ophthalmology*, **2020**, 138, 174-181	3.9	24
188	A Need for Better Understanding Is the Major Determinant for Public Perceptions of Human Gene Editing. *Human Gene Therapy*, **2019**, 30, 36-43	4.8	23
187	Identification of a candidate gene for astigmatism **2013**, 54, 1260-7		23
186	Genetic Association at the 9p21 Glaucoma Locus Contributes to Sex Bias in Normal-Tension Glaucoma **2016**, 57, 3416-21		23
185	Development of a Modular Automated System for Maintenance and Differentiation of Adherent Human Pluripotent Stem Cells. *SLAS Discovery*, **2017**, 22, 1016-1025	3.4	22
184	Replication of genetic loci implicated in diabetic retinopathy **2014**, 55, 1666-71		22
183	Heritable features of the optic disc: a novel twin method for determining genetic significance. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 2469-75		22
182	Macular Ganglion Cell-Inner Plexiform Layer Loss Precedes Peripapillary Retinal Nerve Fiber Layer Loss in Glaucoma with Lower Intraocular Pressure. *Ophthalmology*, **2019**, 126, 1119-1130	7.3	21
181	Genome-wide meta-analysis identifies novel loci associated with age-related macular degeneration. *Journal of Human Genetics*, **2020**, 65, 657-665	4.3	21
180	A COL17A1 Splice-Altering Mutation Is Prevalent in Inherited Recurrent Corneal Erosions. *Ophthalmology*, **2016**, 123, 709-22	7.3	21

179	Associations of birth weight with ocular biometry, refraction, and glaucomatous endophenotypes: the Australian Twins Eye Study. *American Journal of Ophthalmology*, **2010**, 150, 909-16	4.9	21
178	Genetic isolates in ophthalmic diseases. *Ophthalmic Genetics*, **2008**, 29, 149-61	1.2	21
177	Genome-wide association study for refractive astigmatism reveals genetic co-determination with spherical equivalent refractive error: the CREAM consortium. *Human Genetics*, **2015**, 134, 131-46	6.3	20
176	Genome-wide association study success in ophthalmology. *Current Opinion in Ophthalmology*, **2014**, 25, 386-93	5.1	20
175	Heritability of strabismus: genetic influence is specific to eso-deviation and independent of refractive error. *Twin Research and Human Genetics*, **2012**, 15, 624-30	2.2	20
174	Heritability of the iridotrabecular angle width measured by optical coherence tomography in Chinese children: the Guangzhou twin eye study. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 1356-61		20
173	Friedreich's ataxia induced pluripotent stem cell-derived cardiomyocytes display electrophysiological abnormalities and calcium handling deficiency. *Aging*, **2017**, 9, 1440-1452	5.6	20
172	Comparative performance of the BGI and Illumina sequencing technology for single-cell RNA-sequencing. *NAR Genomics and Bioinformatics*, **2020**, 2, lqaa034	3.7	19
171	Multiallelic copy number variation in the complement component 4A (C4A) gene is associated with late-stage age-related macular degeneration (AMD). *Journal of Neuroinflammation*, **2016**, 13, 81	10.1	19
170	Participant understanding and recall of informed consent for induced pluripotent stem cell biobanking. *Cell and Tissue Banking*, **2016**, 17, 449-56	2.2	19
169	Defined Medium Conditions for the Induction and Expansion of Human Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. *Stem Cell Reviews and Reports*, **2016**, 12, 179-88	6.4	19
168	Associations between depression and anxiety symptoms and retinal vessel caliber in adolescents and young adults. *Psychosomatic Medicine*, **2014**, 76, 732-8	3.7	19
167	Genetic loci for retinal arteriolar microcirculation. *PLoS ONE*, **2013**, 8, e65804	3.7	19
166	Using Mendelian randomization to evaluate the causal relationship between serum C-reactive protein levels and age-related macular degeneration. *European Journal of Epidemiology*, **2020**, 35, 139-146	12.1	19
165	Genotype-free demultiplexing of pooled single-cell RNA-seq. *Genome Biology*, **2019**, 20, 290	18.3	19
164	Common Sequence Variation in the VEGFC Gene Is Associated with Diabetic Retinopathy and Diabetic Macular Edema. *Ophthalmology*, **2015**, 122, 1828-36	7.3	18
163	Biallelic CPAMD8 Variants Are a Frequent Cause of Childhood and Juvenile Open-Angle Glaucoma. *Ophthalmology*, **2020**, 127, 758-766	7.3	18
162	Myocilin Predictive Genetic Testing for Primary Open-Angle Glaucoma Leads to Early Identification of At-Risk Individuals. *Ophthalmology*, **2017**, 124, 303-309	7.3	17

161	Assessment of polygenic effects links primary open-angle glaucoma and age-related macular degeneration. *Scientific Reports*, **2016**, 6, 26885	4.9	17
160	The p53 codon 72 PRO/PRO genotype may be associated with initial central visual field defects in caucasians with primary open angle glaucoma. *PLoS ONE*, **2012**, 7, e45613	3.7	17
159	Prevalence of FOXC1 Variants in Individuals With a Suspected Diagnosis of Primary Congenital Glaucoma. *JAMA Ophthalmology*, **2019**, 137, 348-355	3.9	16
158	Role of lysophosphatidic acid in the retinal pigment epithelium and photoreceptors. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2018**, 1863, 750-761	5	16
157	Genetic and environmental factors in conjunctival UV autofluorescence. *JAMA Ophthalmology*, **2015**, 133, 406-12	3.9	16
156	The optic nerve head in hereditary optic neuropathies. *Nature Reviews Neurology*, **2009**, 5, 277-87	15	16
155	A myocilin Gln368STOP homozygote does not exhibit a more severe glaucoma phenotype than heterozygous cases. *American Journal of Ophthalmology*, **2006**, 141, 402-3	4.9	16
154	Relationship between corneal thickness and optic disc damage in glaucoma. *Clinical and Experimental Ophthalmology*, **2005**, 33, 158-63	2.4	16
153	Single cell eQTL analysis identifies cell type-specific genetic control of gene expression in fibroblasts and reprogrammed induced pluripotent stem cells. *Genome Biology*, **2021**, 22, 76	18.3	16
152	Biological effect of LOXL1 coding variants associated with pseudoexfoliation syndrome. *Experimental Eye Research*, **2016**, 146, 212-223	3.7	16
151	Occurrence of CYP1B1 Mutations in Juvenile Open-Angle Glaucoma With Advanced Visual Field Loss. *JAMA Ophthalmology*, **2015**, 133, 826-33	3.9	15
150	TGC repeat expansion in the TCF4 gene increases the risk of Fuchs' endothelial corneal dystrophy in Australian cases. *PLoS ONE*, **2017**, 12, e0183719	3.7	15
149	Accurate Imputation-Based Screening of Gln368Ter Myocilin Variant in Primary Open-Angle Glaucoma **2015**, 56, 5087-93		15
148	Associations between Optic Disc Measures and Obstructive Sleep Apnea in Young Adults. *Ophthalmology*, **2019**, 126, 1372-1384	7.3	14
147	Translating the ENCyclopedia Of DNA Elements Project findings to the clinic: ENCODE's implications for eye disease. *Clinical and Experimental Ophthalmology*, **2014**, 42, 78-83	2.4	14
146	Ethnic and mouse strain differences in central corneal thickness and association with pigmentation phenotype. *PLoS ONE*, **2011**, 6, e22103	3.7	14
145	Ophthalmic phenotypes and the representativeness of twin data for the general population **2011**, 52, 5565-72		14
144	The optic nerve head in myocilin glaucoma. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 238-43		14

143	Culture Variabilities of Human iPSC-Derived Cerebral Organoids Are a Major Issue for the Modelling of Phenotypes Observed in Alzheimer's Disease. *Stem Cell Reviews and Reports*, **2021**, 1	7.3	14
142	Heterogeneity of Human Research Ethics Committees and Research Governance Offices across Australia: An observational study. *Australasian Medical Journal*, **2016**, 9, 33-9	2	14
141	Myocilin Gene Gln368Ter Variant Penetrance and Association With Glaucoma in Population-Based and Registry-Based Studies. *JAMA Ophthalmology*, **2019**, 137, 28-35	3.9	14
140	Approach for in vivo delivery of CRISPR/Cas system: a recent update and future prospect. *Cellular and Molecular Life Sciences*, **2021**, 78, 2683-2708	10.3	14
139	The current state of stem cell therapy for ocular disease. *Experimental Eye Research*, **2018**, 177, 65-75	3.7	13
138	Utility of Self-Destructing CRISPR/Cas Constructs for Targeted Gene Editing in the Retina. *Human Gene Therapy*, **2019**, 30, 1349-1360	4.8	13
137	High-Throughput Genetic Screening of 51 Pediatric Cataract Genes Identifies Causative Mutations in Inherited Pediatric Cataract in South Eastern Australia. *G3: Genes, Genomes, Genetics*, **2017**, 7, 3257-3268	3.2	13
136	A geometric morphometric assessment of the optic cup in glaucoma. *Experimental Eye Research*, **2010**, 91, 405-14	3.7	13
135	Influence of photodynamic therapy for age related macular degeneration upon subjective vision related quality of life. *Graefeks Archive for Clinical and Experimental Ophthalmology*, **2006**, 244, 972-7	3.8	13
134	Engineering domain-inlaid SaCas9 adenine base editors with reduced RNA off-targets and increased on-target DNA editing. *Nature Communications*, **2020**, 11, 4871	17.4	13
133	Mitochondrial DNA Variation and Disease Susceptibility in Primary Open-Angle Glaucoma **2018**, 59, 4598-4602		13
132	Comparison of monochromatic aberrations in young adults with different visual acuity and refractive errors. *Journal of Cataract and Refractive Surgery*, **2014**, 40, 441-9	2.3	12
131	Rationale, methods and baseline demographics of the Bhaktapur Glaucoma Study. *Clinical and Experimental Ophthalmology*, **2011**, 39, 126-34	2.4	12
130	An Intraocular Pressure Polygenic Risk Score Stratifies Multiple Primary Open-Angle Glaucoma Parameters Including Treatment Intensity. *Ophthalmology*, **2020**, 127, 901-907	7.3	12
129	Potentials of Cellular Reprogramming as a Novel Strategy for Neuroregeneration. *Frontiers in Cellular Neuroscience*, **2018**, 12, 460	6.1	12
128	Single-Cell Profiling Identifies Key Pathways Expressed by iPSCs Cultured in Different Commercial Media. *IScience*, **2018**, 7, 30-39	6.1	12
127	Genome-wide association analysis of 95 549 individuals identifies novel loci and genes influencing optic disc morphology. *Human Molecular Genetics*, **2019**, 28, 3680-3690	5.6	11
126	Choroidal Thickness in Young Adults and its Association with Visual Acuity. *American Journal of Ophthalmology*, **2020**, 214, 40-51	4.9	11

125	Early Anesthesia Exposure and the Effect on Visual Acuity, Refractive Error, and Retinal Nerve Fiber Layer Thickness of Young Adults. *Journal of Pediatrics*, **2016**, 169, 256-9.e1	3.6	11
124	Human fibroblast and stem cell resource from the Dominantly Inherited Alzheimer Network. *Alzheimer's Research and Therapy*, **2018**, 10, 69	9	11
123	Genetic study of diabetic retinopathy: recruitment methodology and analysis of baseline characteristics. *Clinical and Experimental Ophthalmology*, **2014**, 42, 486-93	2.4	11
122	Contribution of Mutations in Known Mendelian Glaucoma Genes to Advanced Early-Onset Primary Open-Angle Glaucoma **2017**, 58, 1537-1544		11
121	Genome-wide association study of retinopathy in individuals without diabetes. *PLoS ONE*, **2013**, 8, e54232	3.7	11
120	Prevalence and predictors of refractive error in a genetically isolated population: the Norfolk Island Eye Study. *Clinical and Experimental Ophthalmology*, **2011**, 39, 734-42	2.4	11
119	Myocilin Gly252Arg mutation and glaucoma of intermediate severity in Caucasian individuals. *JAMA Ophthalmology*, **2007**, 125, 98-104		11
118	Corneal Stiffness Parameters Are Predictive of Structural and Functional Progression in Glaucoma Suspect Eyes. *Ophthalmology*, **2021**, 128, 993-1004	7.3	11
117	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. *Cells*, **2020**, 9,	7.9	11
116	Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. *Science Advances*, **2021**, 7,	14.3	11
115	Key challenges in bringing CRISPR-mediated somatic cell therapy into the clinic. *Genome Medicine*, **2017**, 9, 85	14.4	10
114	DNA methylation at the 9p21 glaucoma susceptibility locus is associated with normal-tension glaucoma. *Ophthalmic Genetics*, **2018**, 39, 221-227	1.2	10
113	Genome-Wide Association Study Identifies a Susceptibility Locus for Comitant Esotropia and Suggests a Parent-of-Origin Effect **2018**, 59, 4054-4064		10
112	Copy number variation at chromosome 5q21.2 is associated with intraocular pressure **2013**, 54, 3607-12		10
111	The Norfolk Island Eye Study (NIES): rationale, methodology and distribution of ocular biometry (biometry of the bounty). *Twin Research and Human Genetics*, **2011**, 14, 42-52	2.2	10
110	Investigation of founder effects for the Thr377Met Myocilin mutation in glaucoma families from differing ethnic backgrounds. *Molecular Vision*, **2007**, 13, 487-92	2.3	10
109	A multi-ethnic genome-wide association study implicates collagen matrix integrity and cell differentiation pathways in keratoconus. *Communications Biology*, **2021**, 4, 266	6.7	10
108	Cardiovascular Disease Predicts Structural and Functional Progression in Early Glaucoma. *Ophthalmology*, **2021**, 128, 58-69	7.3	10

107	A drug-tunable Flt23k gene therapy for controlled intervention in retinal neovascularization. *Angiogenesis*, **2021**, 24, 97-110	10.6	10
106	Methods for In Vivo CRISPR/Cas Editing of the Adult Murine Retina. *Methods in Molecular Biology*, **2018**, 1715, 113-133	1.4	10
105	DNA methylation landscape of ocular tissue relative to matched peripheral blood. *Scientific Reports* , **2017**, 7, 46330	4.9	9
104	Geo-epidemiology of temporal artery biopsy-positive giant cell arteritis in Australia and New Zealand: is there a seasonal influence?. *RMD Open*, **2017**, 3, e000531	5.9	9
103	Genome-wide association meta-analysis of corneal curvature identifies novel loci and shared genetic influences across axial length and refractive error. *Communications Biology*, **2020**, 3, 133	6.7	9
102	Current Understanding of the Genetic Architecture of Rhegmatogenous Retinal Detachment. *Ophthalmic Genetics*, **2016**, 37, 121-9	1.2	9
101	Testosterone Pathway Genetic Polymorphisms in Relation to Primary Open-Angle Glaucoma: An Analysis in Two Large Datasets **2018**, 59, 629-636		9
100	Missing X and Y: a review of participant ages in population-based eye studies. *Clinical and Experimental Ophthalmology*, **2012**, 40, 305-19	2.4	9
99	Benchmarking undedicated cloud computing providers for analysis of genomic datasets. *PLoS ONE*, **2014**, 9, e108490	3.7	9
98	Automated volumetric evaluation of stereoscopic disc photography. *Optics Express*, **2010**, 18, 11347-59	3.3	9
97	Systemic disease associations of familial and sporadic glaucoma: the Glaucoma Inheritance Study in Tasmania. *Acta Ophthalmologica*, **2010**, 88, 70-4	3.7	9
96	Time spent outdoors in childhood is associated with reduced risk of myopia as an adult. *Scientific Reports*, **2021**, 11, 6337	4.9	9
95	Longitudinal expression profiling of CD4+ and CD8+ cells in patients with active to quiescent giant cell arteritis. *BMC Medical Genomics*, **2018**, 11, 61	3.7	8
94	The use of heterochromatic flicker photometry to determine macular pigment optical density in a healthy Australian population. *Graefeks Archive for Clinical and Experimental Ophthalmology*, **2014**, 252, 417-21	3.8	8
93	Current landscape of direct-to-consumer genetic testing and its role in ophthalmology: a review. *Clinical and Experimental Ophthalmology*, **2015**, 43, 578-90	2.4	8
92	Swimming goggle wear is not associated with an increased prevalence of glaucoma. *British Journal of Ophthalmology*, **2015**, 99, 255-7	5.5	8
91	Prevalence of chronic ocular diseases in a genetic isolate: the Norfolk Island Eye Study (NIES). *Ophthalmic Epidemiology*, **2011**, 18, 61-71	1.9	8
90	Visual outcomes for remote Australian Aboriginal people after cataract surgery. *Clinical and Experimental Ophthalmology*, **2001**, 29, 68-74	2.4	8

89	Whole exome sequencing implicates eye development, the unfolded protein response and plasma membrane homeostasis in primary open-angle glaucoma. *PLoS ONE*, **2017**, 12, e0172427	3.7	8
88	Tag SNPs detect association of the CYP1B1 gene with primary open angle glaucoma. *Molecular Vision*, **2010**, 16, 2286-93	2.3	8
87	Ethical Considerations for the Return of Incidental Findings in Ophthalmic Genomic Research. *Translational Vision Science and Technology*, **2016**, 5, 3	3.3	8
86	Single-cell eQTL mapping identifies cell type-specific genetic control of autoimmune disease.. *Science*, **2022**, 376, eabf3041	33.3	8
85	Influence of prenatal environment and birth parameters on amblyopia, strabismus, and anisometropia. *Journal of AAPOS*, **2020**, 24, 74.e1-74.e7	1.3	7
84	Human pluripotent stem cells for the modelling of diseases of the retina and optic nerve: toward a retina in a dish. *Current Opinion in Pharmacology*, **2019**, 48, 114-119	5.1	7
83	Role of the TCF4 gene intronic variant in normal variation of corneal endothelium. *Cornea*, **2012**, 31, 162-6	3.1	7
82	Retinal genes are differentially expressed in areas of primary versus secondary degeneration following partial optic nerve injury. *PLoS ONE*, **2018**, 13, e0192348	3.7	7
81	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. *Molecular Vision*, **2013**, 19, 1238-46	2.3	7
80	Comparison of CRISPR/Cas Endonucleases for Retinal Gene Editing. *Frontiers in Cellular Neuroscience*, **2020**, 14, 570917	6.1	7
79	Genetic Correlations Between Diabetes and Glaucoma: An Analysis of Continuous and Dichotomous Phenotypes. *American Journal of Ophthalmology*, **2019**, 206, 245-255	4.9	6
78	Association of Myopia and Intraocular Pressure With Retinal Detachment in European Descent Participants of the UK Biobank Cohort: A Mendelian Randomization Study. *JAMA Ophthalmology*, **2020**, 138, 671-678	3.9	6
77	Clinical and molecular characterization of females affected by X-linked retinoschisis. *Clinical and Experimental Ophthalmology*, **2015**, 43, 643-7	2.4	6
76	Automated quantification of inherited phenotypes from color images: a twin study of the variability of optic nerve head shape **2010**, 51, 5870-7		6
75	Posterior capsule opacification after cataract surgery in remote Australian Aboriginal patients. *Clinical and Experimental Ophthalmology*, **2002**, 30, 248-51	2.4	6
74	Plurality in multi-disciplinary research: multiple institutional affiliations are associated with increased citations. *PeerJ*, **2018**, 6, e5664	3.1	6
73	A Simple Cloning-free Method to Efficiently Induce Gene Expression Using CRISPR/Cas9. *Molecular Therapy - Nucleic Acids*, **2019**, 14, 184-191	10.7	6
72	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. *American Journal of Human Genetics*, **2021**, 108, 1204-1216	11	6

71	A geometric morphometric assessment of hand shape and comparison to the 2D:4D digit ratio as a marker of sexual dimorphism. *Twin Research and Human Genetics*, **2013**, 16, 590-600	2.2	5
70	Sensitivity of confocal laser tomography versus optical coherence tomography in detecting advanced glaucoma. *Clinical and Experimental Ophthalmology*, **2009**, 37, 836-41; quiz 903-4	2.4	5
69	Screening for glaucomatous disc changes prior to diagnosis of glaucoma in myocilin pedigrees. *JAMA Ophthalmology*, **2007**, 125, 112-6		5
68	Genotype-free demultiplexing of pooled single-cell RNA-seq		5
67	Genetic variation affects morphological retinal phenotypes extracted from UK Biobank optical coherence tomography images. *PLoS Genetics*, **2021**, 17, e1009497	6	5
66	Characteristics of p.Gln368Ter Myocilin Variant and Influence of Polygenic Risk on Glaucoma Penetrance in the UK Biobank. *Ophthalmology*, **2021**, 128, 1300-1311	7.3	5
65	Transcriptomic Profiling of Human Pluripotent Stem Cell-derived Retinal Pigment Epithelium over Time. *Genomics, Proteomics and Bioinformatics*, **2021**, 19, 223-242	6.5	4
64	Epigenetic effects on eye diseases. *Expert Review of Ophthalmology*, **2012**, 7, 127-134	1.5	4
63	Establishing risk of vision loss in Leber hereditary optic neuropathy. *American Journal of Human Genetics*, **2021**, 108, 2159-2170	11	4
62	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 disease		4
61	Registered report: Melanoma genome sequencing reveals frequent PREX2 mutations. *ELife*, **2014**, 3,	8.9	4
60	OXPHOS bioenergetic compensation does not explain disease penetrance in Leber hereditary optic neuropathy. *Mitochondrion*, **2020**, 54, 113-121	4.9	4
59	Evaluation of Shared Genetic Susceptibility to High and Low Myopia and Hyperopia. *JAMA Ophthalmology*, **2021**, 139, 601-609	3.9	4
58	Review of null hypothesis significance testing in the ophthalmic literature: are most 'significant' P values false positives?. *Clinical and Experimental Ophthalmology*, **2016**, 44, 52-61	2.4	4
57	Rationale and protocol for the 7- and 8-year longitudinal assessments of eye health in a cohort of young adults in the Raine Study. *BMJ Open*, **2020**, 10, e033440	3	4
56	The effects of eight serum lipid biomarkers on age-related macular degeneration risk: a Mendelian randomization study. *International Journal of Epidemiology*, **2021**, 50, 325-336	7.8	4
55	Orbital Air Embolism After Intravenous Injection. *Journal of Neuro-Ophthalmology*, **2018**, 38, 486-487	2.6	4
54	Association of Monogenic and Polygenic Risk With the Prevalence of Open-Angle Glaucoma. *JAMA Ophthalmology*, **2021**, 139, 1023-1028	3.9	4

53	A Polygenic Risk Score Predicts Intraocular Pressure Readings Outside Office Hours and Early Morning Spikes as Measured by Home Tonometry. *Ophthalmology Glaucoma*, **2021**, 4, 411-420	2.2	3
52	The VEGF Treatment of AMD Switch Study (The vTAS Study). *Asia-Pacific Journal of Ophthalmology*, **2017**, 6, 481-487	3.5	3
51	Profile of ocular trauma in the Solomon Islands. *Clinical and Experimental Ophthalmology*, **2014**, 42, 440-6	2.4	3
50	Familial transmission risk of infantile glaucoma in Australia. *Ophthalmic Genetics*, **2006**, 27, 93-7	1.2	3
49	Screening of CRISPR/Cas base editors to target the AMD high-risk Y402H complement factor H variant. *Molecular Vision*, **2019**, 25, 174-182	2.3	3
48	Use of CRISPR/Cas ribonucleoproteins for high throughput gene editing of induced pluripotent stem cells. *Methods*, **2021**, 194, 18-29	4.6	3
47	Don't it make your brown eyes blue? A comparison of iris colour across latitude in Australian twins. *Australasian journal of optometry, The*, **2015**, 98, 172-6	2.7	2
46	Effect of phacoemulsification cataract surgery on intraocular pressure in early glaucoma: A prospective multi-site study. *Clinical and Experimental Ophthalmology*, **2020**, 48, 442-449	2.4	2
45	Uteroglobin and FLRG concentrations in aqueous humor are associated with age in primary open angle glaucoma patients. *BMC Ophthalmology*, **2018**, 18, 57	2.3	2
44	Influence of weather conditions on ophthalmic emergency presentations. *Clinical and Experimental Ophthalmology*, **2012**, 40, 322-3	2.4	2
43	Primary open angle glaucoma in subjects harbouring the predicted GLC1L haplotype reveals a normotensive phenotype. *Clinical and Experimental Ophthalmology*, **2009**, 37, 201-7	2.4	2
42	Image-Based Quantitation of Kainic Acid-Induced Excitotoxicity as a Model of Neurodegeneration in Human iPSC-Derived Neurons. *Methods in Molecular Biology*, **2021**, 1	1.4	2
41	Comparative analysis of loop-mediated isothermal amplification (LAMP)-based assays for rapid detection of SARS-CoV-2 genes. *Scientific Reports*, **2021**, 11, 22493	4.9	2
40	Attitudes towards polygenic risk testing in individuals with glaucoma. *Ophthalmology Glaucoma*, **2021**,	2.2	2
39	Myopia and skin cancer are inversely correlated: results of the Busselton Healthy Ageing Study. *Medical Journal of Australia*, **2014**, 200, 521-2	4	2
38	Generation of MNZTASi001-A, a human pluripotent stem cell line from a person with primary progressive multiple sclerosis. *Stem Cell Research*, **2021**, 57, 102568	1.6	2
37	The Ark: a customizable web-based data management tool for health and medical research. *Bioinformatics*, **2017**, 33, 624-626	7.2	2
36	The Relationship Between Optic Disc Parameters and Female Reproductive Factors in Young Women. *Asia-Pacific Journal of Ophthalmology*, **2019**, 8, 224-228	3.5	2

35	Predicting the Future of Genetic Risk Profiling of Glaucoma: A Narrative Review. *JAMA Ophthalmology*, **2021**, 139, 224-231	3.9	2
34	Crowd-sourced Ontology for Photoleukocoria: Identifying Common Internet Search Terms for a Potentially Important Pediatric Ophthalmic Sign. *Translational Vision Science and Technology*, **2018**, 7, 18	3.3	2
33	The Importance of Conditional Probability in Diagnostic Reasoning and Clinical Decision Making: A Primer for the Eye Care Practitioner. *Ophthalmic Epidemiology*, **2017**, 24, 81-89	1.9	1
32	Screening for Diabetic Eye Disease among Samoan Adults: A Pilot Study. *Ophthalmology and Therapy*, **2017**, 6, 187-194	5	1
31	Generation of a human induced pluripotent stem cell line CERAi001-A-6 using episomal vectors. *Stem Cell Research*, **2017**, 22, 13-15	1.6	1
30	Do Levels of Stress Markers Influence the Retinal Nerve Fiber Layer Thickness in Young Adults?. *Journal of Glaucoma*, **2020**, 29, 587-592	2.1	1
29	Expression QTL analysis of glaucoma endophenotypes in the Norfolk Island isolate provides evidence that immune-related genes are associated with optic disc size. *Journal of Human Genetics*, **2018**, 63, 83-87	4.3	1
28	Research: Keep PubMed running at all costs. *Nature*, **2013**, 502, 303	50.4	1
27	Explosion of ophthalmic collaborative research networks in Australia. *Clinical and Experimental Ophthalmology*, **2013**, 41, 310-1	2.4	1
26	The pathogenesis of the glaucomas: nature versus nurture. *Clinical and Experimental Ophthalmology*, **2008**, 36, 297-297	2.4	1
25	Tools for cup:disc ratio measurement. *Clinical and Experimental Ophthalmology*, **2006**, 34, 288-9; author reply 289	2.4	1
24	CRISPR/Cas-Mediated Knock-in of Genetically Encoded Fluorescent Biosensors into the AAVS1 Locus of Human-Induced Pluripotent Stem Cells. *Methods in Molecular Biology*, **2021**, 1	1.4	1
23	The Immortal Life of Ethics? The Alienation of Body Tissue, Ethics and the Informed Consent Procedure Within Induced Pluripotent Stem Cell Research **2017**, 61-87		1
22	Mitochondrial replacement in an iPSC model of Leber hereditary optic neuropathy		1
21	Efficacy and dynamics of self-targeting CRISPR/Cas constructs for gene editing in the retina		1
20	Vision impairment and refractive errors in refugees presenting to community optometry clinics in Victoria, Australia. *Australasian journal of optometry, The*, **2020**, 103, 668-674	2.7	1
19	Age-dependent regional retinal nerve fibre changes in SIX1/SIX6 polymorphism. *Scientific Reports*, **2020**, 10, 12485	4.9	1
18	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. *BMJ Open Ophthalmology*, **2021**, 6, e000749	3.2	1

17	The effect of insulin on response to intravitreal anti-VEGF injection in diabetic macular edema in type 2 diabetes mellitus.. *BMC Ophthalmology*, **2022**, 22, 94	2.3	1
16	Mitochondrial haplogroups are not associated with diabetic retinopathy in a large Australian and British Caucasian sample. *Scientific Reports*, **2019**, 9, 612	4.9	0
15	Screening phenotypically normal Caucasian Australians for the lysyl oxidase-like 1 gene. *Clinical and Experimental Ophthalmology*, **2015**, 43, 189-90	2.4	0
14	Genome-wide linkage and association analysis of primary open-angle glaucoma endophenotypes in the Norfolk Island isolate. *Molecular Vision*, **2017**, 23, 660-665	2.3	0
13	Improving parents' knowledge of early signs of paediatric eye disease: A double-blind randomized controlled trial. *Clinical and Experimental Ophthalmology*, **2020**, 48, 1250-1260	2.4	0
12	Physical Activity and Cardiovascular Fitness During Childhood and Adolescence: Association With Retinal Nerve Fibre Layer Thickness in Young Adulthood. *Journal of Glaucoma*, **2021**, 30, 813-819	2.1	0
11	Seeing the impact of the Glaucoma Inheritance Study in Tasmania after 25 years. *Clinical and Experimental Ophthalmology*, **2019**, 47, 677-679	2.4	0
10	Change in the prevalence of myopia in Australian middle-aged adults across 20 years. *Clinical and Experimental Ophthalmology*, **2021**, 49, 1039-1047	2.4	0
9	Approaches for the sensitive detection of rare base and prime editing events. *Methods*, **2021**, 194, 75-82	4.6	0
8	The APOE E4 allele is associated with faster rates of neuroretinal thinning in a prospective cohort study of suspect and early glaucoma. *Ophthalmology Science*, **2022**, 100159		0
7	Response: Cycloplegia in refraction: age and cycloplegics. *Acta Ophthalmologica*, **2016**, 94, e373	3.7	
6	Google-based search of common blinding diseases: a reflection of public concerns. *British Journal of Ophthalmology*, **2012**, 96, 1444-5	5.5	
5	Authors' response: Approach to evaluating the reliability and validity of conjunctival ultraviolet autofluorescence measurement. *British Journal of Ophthalmology*, **2012**, 96, 1271.2-1271	5.5	
4	Nosology and the glaucomas. *Clinical and Experimental Ophthalmology*, **2006**, 34, 94	2.4	
3	Genetic diseases of the optic nerve head: from embryogenesis to pathogenesis. *Expert Review of Ophthalmology*, **2007**, 2, 769-777	1.5	
2	Genetic Risk of Cardiovascular Disease Is Associated with Macular Ganglion Cell/Inner Plexiform Layer Thinning in an Early Glaucoma Cohort. *Ophthalmology Science*, **2022**, 2, 100108		
1	Exposure to Smoking and Alcohol, and Passive Smoking during Childhood: Effect on the Retinal Nerve Fibre Layer in Young Adulthood. *Ophthalmic Epidemiology*, **2021**, 1-8	1.9	