

Alex W. Hewitt

List of Publications by Year in descending order

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Version: 2024-02-01

330
papers

18,063
citations

16411

64
h-index

24179

110
g-index

358
all docs

358
docs citations

358
times ranked

19708
citing authors

#	ARTICLE	IF	CITATIONS
1	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , 2016, 48, 134-143.	9.4	1,167
2	Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. <i>Nature Genetics</i> , 2021, 53, 1300-1310.	9.4	590
3	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017, 542, 186-190.	13.7	544
4	Genome-wide meta-analyses of multi-ancestry cohorts identify multiple new susceptibility loci for refractive error and myopia. <i>Nature Genetics</i> , 2013, 45, 314-318.	9.4	398
5	Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMCO1 and CDKN2B-AS1. <i>Nature Genetics</i> , 2011, 43, 574-578.	9.4	381
6	Common variants near CAV1 and CAV2 are associated with primary open-angle glaucoma. <i>Nature Genetics</i> , 2010, 42, 906-909.	9.4	357
7	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021, 600, 675-679.	13.7	353
8	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018, 50, 26-41.	9.4	286
9	Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. <i>Nature Genetics</i> , 2013, 45, 155-163.	9.4	269
10	Genetic influences on handedness: Data from 25,732 Australian and Dutch twin families. <i>Neuropsychologia</i> , 2009, 47, 330-337.	0.7	252
11	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. <i>Nature Genetics</i> , 2018, 50, 834-848.	9.4	239
12	Deep sequencing of uveal melanoma identifies a recurrent mutation in <i>PLCB4</i> . <i>Oncotarget</i> , 2016, 7, 4624-4631.	0.8	235
13	Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma. <i>Nature Genetics</i> , 2014, 46, 1126-1130.	9.4	212
14	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016, 48, 189-194.	9.4	211
15	A genome-wide association study for myopia and refractive error identifies a susceptibility locus at 15q25. <i>Nature Genetics</i> , 2010, 42, 902-905.	9.4	204
16	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. <i>Nature Communications</i> , 2021, 12, 1258.	5.8	196
17	Multitrait analysis of glaucoma identifies new risk loci and enables polygenic prediction of disease susceptibility and progression. <i>Nature Genetics</i> , 2020, 52, 160-166.	9.4	192
18	Common variants near ABCA1, AFAP1 and GMDS confer risk of primary open-angle glaucoma. <i>Nature Genetics</i> , 2014, 46, 1120-1125.	9.4	186

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19	A Systematic Meta-Analysis of Genetic Association Studies for Diabetic Retinopathy. <i>Diabetes</i> , 2009, 58, 2137-2147.	0.3	180
20	Meta-analysis of 542,934 subjects of European ancestry identifies new genes and mechanisms predisposing to refractive error and myopia. <i>Nature Genetics</i> , 2020, 52, 401-407.	9.4	180
21	Angiopietin receptor TEK mutations underlie primary congenital glaucoma with variable expressivity. <i>Journal of Clinical Investigation</i> , 2016, 126, 2575-2587.	3.9	175
22	Single-cell eQTL mapping identifies cell type-specific genetic control of autoimmune disease. <i>Science</i> , 2022, 376, eabf3041.	6.0	171
23	Common Genetic Determinants of Intraocular Pressure and Primary Open-Angle Glaucoma. <i>PLoS Genetics</i> , 2012, 8, e1002611.	1.5	164
24	Ancestral LOXL1 variants are associated with pseudoexfoliation in Caucasian Australians but with markedly lower penetrance than in Nordic people. <i>Human Molecular Genetics</i> , 2007, 17, 710-716.	1.4	152
25	Genome-wide association study of intraocular pressure uncovers new pathways to glaucoma. <i>Nature Genetics</i> , 2018, 50, 1067-1071.	9.4	152
26	Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. <i>Nature Genetics</i> , 2016, 48, 556-562.	9.4	147
27	The Heritability of Ocular Traits. <i>Survey of Ophthalmology</i> , 2010, 55, 561-583.	1.7	140
28	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> , 2013, 93, 264-277.	2.6	139
29	Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. <i>PLoS Genetics</i> , 2010, 6, e1001184.	1.5	134
30	Central Corneal Thickness Is Highly Heritable: The Twin Eye Studies. , 2005, 46, 3718.		133
31	Genome-wide association identifies ATOH7 as a major gene determining human optic disc size. <i>Human Molecular Genetics</i> , 2010, 19, 2716-2724.	1.4	133
32	PSEN1 ^{ΔE9} , APP ^{swe} , and APOE4 Confer Disparate Phenotypes in Human iPSC-Derived Microglia. <i>Stem Cell Reports</i> , 2019, 13, 669-683.	2.3	132
33	Common Genetic Variants near the Brittle Cornea Syndrome Locus ZNF469 Influence the Blinding Disease Risk Factor Central Corneal Thickness. <i>PLoS Genetics</i> , 2010, 6, e1000947.	1.5	130
34	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> , 2017, 26, ddw399.	1.4	120
35	Current state and future prospects of artificial intelligence in ophthalmology: a review. <i>Clinical and Experimental Ophthalmology</i> , 2019, 47, 128-139.	1.3	118
36	AAV-Mediated CRISPR/Cas Gene Editing of Retinal Cells In Vivo. , 2016, 57, 3470.		117

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37	Autosomal Dominant Optic Atrophy: Penetrance and Expressivity in Patients With OPA1 Mutations. <i>American Journal of Ophthalmology</i> , 2007, 143, 656-662.e1.	1.7	116
38	Association of Polymorphisms in the Hepatocyte Growth Factor Gene Promoter with Keratoconus. , 2011, 52, 8514.		114
39	Genetic Dissection of Acute Anterior Uveitis Reveals Similarities and Differences in Associations Observed With Ankylosing Spondylitis. <i>Arthritis and Rheumatology</i> , 2015, 67, 140-151.	2.9	114
40	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , 2017, 49, 993-1004.	9.4	114
41	Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. <i>Human Molecular Genetics</i> , 2018, 27, 1486-1496.	1.4	111
42	Insights into the Genetic Architecture of Early Stage Age-Related Macular Degeneration: A Genome-Wide Association Study Meta-Analysis. <i>PLoS ONE</i> , 2013, 8, e53830.	1.1	108
43	Myocilin allele-specific glaucoma phenotype database. <i>Human Mutation</i> , 2008, 29, 207-211.	1.1	106
44	A common variant near TGFBR3 is associated with primary open angle glaucoma. <i>Human Molecular Genetics</i> , 2015, 24, 3880-3892.	1.4	105
45	Meta-analysis of genome-wide association scans accounting for education level identifies additional loci for refractive error. <i>Nature Communications</i> , 2016, 7, 11008.	5.8	104
46	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. <i>Nature Genetics</i> , 2015, 47, 387-392.	9.4	97
47	Enriched retinal ganglion cells derived from human embryonic stem cells. <i>Scientific Reports</i> , 2016, 6, 30552.	1.6	97
48	The Path to Open-Angle Glaucoma Gene Discovery: Endophenotypic Status of Intraocular Pressure, Cup-to-Disc Ratio, and Central Corneal Thickness. , 2010, 51, 3509.		94
49	Meta-analysis of human methylation data for evidence of sex-specific autosomal patterns. <i>BMC Genomics</i> , 2014, 15, 981.	1.2	94
50	Angiopoietin-1 is required for Schlemm's canal development in mice and humans. <i>Journal of Clinical Investigation</i> , 2017, 127, 4421-4436.	3.9	94
51	Meta-analysis of genome-wide association studies identifies novel loci that influence cupping and the glaucomatous process. <i>Nature Communications</i> , 2014, 5, 4883.	5.8	89
52	Drusen in patient-derived hiPSC-RPE models of macular dystrophies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8214-E8223.	3.3	88
53	Novel pleiotropic risk loci for melanoma and nevus density implicate multiple biological pathways. <i>Nature Communications</i> , 2018, 9, 4774.	5.8	87
54	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> , 2018, 50, 652-656.	9.4	86

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55	Functional and Structural Implications of the Complement Factor H Y402H Polymorphism Associated with Age-Related Macular Degeneration. , 2008, 49, 1763.		85
56	Myopia Is Associated With Lower Vitamin D Status in Young Adults. , 2014, 55, 4552.		84
57	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, 1079-1085.e2.	1.7	80
58	Projected Worldwide Disease Burden from Giant Cell Arteritis by 2050. Journal of Rheumatology, 2015, 42, 119-125.	1.0	80
59	The Association between Time Spent Outdoors and Myopia Using a Novel Biomarker of Outdoor Light Exposure. , 2012, 53, 4363.		79
60	ARHGEF12 influences the risk of glaucoma by increasing intraocular pressure. Human Molecular Genetics, 2015, 24, 2689-2699.	1.4	79
61	A Global Social Media Survey of Attitudes to Human Genome Editing. Cell Stem Cell, 2016, 18, 569-572.	5.2	79
62	Gene therapy for visual loss: Opportunities and concerns. Progress in Retinal and Eye Research, 2019, 68, 31-53.	7.3	78
63	Electrical Stimulation Promotes Cardiac Differentiation of Human Induced Pluripotent Stem Cells. Stem Cells International, 2016, 2016, 1-12.	1.2	77
64	Glaucoma Risk Alleles at CDKN2B-AS1 Are Associated with Lower Intraocular Pressure, Normal-Tension Glaucoma, and Advanced Glaucoma. Ophthalmology, 2012, 119, 1539-1545.	2.5	74
65	Genome-wide association study for sight-threatening diabetic retinopathy reveals association with genetic variation near the GRB2 gene. Diabetologia, 2015, 58, 2288-2297.	2.9	73
66	Prevalence of Keratoconus Based on Scheimpflug Imaging. Ophthalmology, 2021, 128, 515-521.	2.5	73
67	Identification of LOXL1 protein and Apolipoprotein E as components of surgically isolated pseudoexfoliation material by direct mass spectrometry. Experimental Eye Research, 2009, 89, 479-485.	1.2	72
68	Meta-analysis of Genome-wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. Genetic Epidemiology, 2015, 39, 207-216.	0.6	72
69	Complex genetics of complex traits: the case of primary open-angle glaucoma. Clinical and Experimental Ophthalmology, 2006, 34, 472-484.	1.3	71
70	Recessive Mutations in SLC38A8 Cause Foveal Hypoplasia and Optic Nerve Misrouting without Albinism. American Journal of Human Genetics, 2013, 93, 1143-1150.	2.6	71
71	How significant is a family history of glaucoma? Experience from the Glaucoma Inheritance Study in Tasmania. Clinical and Experimental Ophthalmology, 2007, 35, 793-799.	1.3	70
72	Apparent autosomal dominant keratoconus in a large Australian pedigree accounted for by digenic inheritance of two novel loci. Human Genetics, 2008, 124, 379-386.	1.8	70

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73	Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia. <i>Nature Communications</i> , 2015, 6, 6689.	5.8	70
74	Copy Number Variations of TBK1 in Australian Patients With Primary Open-Angle Glaucoma. <i>American Journal of Ophthalmology</i> , 2015, 159, 124-130.e1.	1.7	68
75	Large scale international replication and meta-analysis study confirms association of the 15q14 locus with myopia. The CREAM consortium. <i>Human Genetics</i> , 2012, 131, 1467-1480.	1.8	67
76	Measurement of Systemic Mitochondrial Function in Advanced Primary Open-Angle Glaucoma and Leber Hereditary Optic Neuropathy. <i>PLoS ONE</i> , 2015, 10, e0140919.	1.1	66
77	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> , 2020, 35, 139-146.	2.5	66
78	Australian and New Zealand Registry of Advanced Glaucoma: methodology and recruitment. <i>Clinical and Experimental Ophthalmology</i> , 2012, 40, 569-575.	1.3	64
79	A comparative analysis of high-throughput platforms for validation of a circulating microRNA signature in diabetic retinopathy. <i>Scientific Reports</i> , 2015, 5, 10375.	1.6	64
80	Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases. <i>Nature Communications</i> , 2018, 9, 1864.	5.8	63
81	Association of TCF4 and CLU polymorphisms with Fuchs's endothelial dystrophy and implication of CLU and TGFBI proteins in the disease process. <i>European Journal of Human Genetics</i> , 2012, 20, 632-638.	1.4	61
82	What is the appropriate age cutoff for cycloplegia in refraction?. <i>Acta Ophthalmologica</i> , 2014, 92, e458-62.	0.6	61
83	A Glaucoma Case-control Study of the WDR36 Gene D658G Sequence Variant. <i>American Journal of Ophthalmology</i> , 2006, 142, 324-325.	1.7	59
84	Genome-wide meta-analysis identifies novel loci associated with age-related macular degeneration. <i>Journal of Human Genetics</i> , 2020, 65, 657-665.	1.1	59
85	WNT10A exonic variant increases the risk of keratoconus by decreasing corneal thickness. <i>Human Molecular Genetics</i> , 2015, 24, 5060-5068.	1.4	58
86	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> , 2021, 22, 76.	3.8	58
87	The association between pterygium and conjunctival ultraviolet autofluorescence: The Norfolk Island Eye Study. <i>Acta Ophthalmologica</i> , 2013, 91, 363-370.	0.6	57
88	Assessing the Genetic Predisposition of Education on Myopia: A Mendelian Randomization Study. <i>Genetic Epidemiology</i> , 2016, 40, 66-72.	0.6	56
89	Single cell RNA sequencing of stem cell-derived retinal ganglion cells. <i>Scientific Data</i> , 2018, 5, 180013.	2.4	55
90	Genotype-free demultiplexing of pooled single-cell RNA-seq. <i>Genome Biology</i> , 2019, 20, 290.	3.8	55

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91	Mutation in <i>TMEM98</i> in a Large White Kindred With Autosomal Dominant Nanophthalmos Linked to 17p12-q12. <i>JAMA Ophthalmology</i> , 2014, 132, 970.	1.4	54
92	Vitreous biomarkers in diabetic retinopathy: A systematic review and meta-analysis. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 419-425.	1.2	54
93	Giant cell arteritis: ophthalmic manifestations of a systemic disease. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 2291-2306.	1.0	54
94	Mitochondrial replacement in an iPSC model of Leber's hereditary optic neuropathy. <i>Aging</i> , 2017, 9, 1341-1350.	1.4	54
95	<i>PAX6</i> Mutations May Be Associated with High Myopia. <i>Ophthalmic Genetics</i> , 2007, 28, 179-182.	0.5	53
96	Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. <i>Stem Cells</i> , 2015, 33, 3100-3113.	1.4	53
97	Methods of Retinal Ganglion Cell Differentiation From Pluripotent Stem Cells. <i>Translational Vision Science and Technology</i> , 2014, 3, 7.	1.1	52
98	Raine Eye Health Study: Design, Methodology and Baseline Prevalence of Ophthalmic Disease in a Birth-cohort Study of Young Adults. <i>Ophthalmic Genetics</i> , 2013, 34, 199-208.	0.5	51
99	Smartphone use in ophthalmology: What is their place in clinical practice?. <i>Survey of Ophthalmology</i> , 2020, 65, 250-262.	1.7	50
100	Genetic variation affects morphological retinal phenotypes extracted from UK Biobank optical coherence tomography images. <i>PLoS Genetics</i> , 2021, 17, e1009497.	1.5	50
101	Heritability of Central Corneal Thickness in Nuclear Families. , 2009, 50, 4087.		49
102	Optic disc morphology - Rethinking shape. <i>Progress in Retinal and Eye Research</i> , 2009, 28, 227-248.	7.3	49
103	Genome-wide association studies for diabetic macular edema and proliferative diabetic retinopathy. <i>BMC Medical Genetics</i> , 2018, 19, 71.	2.1	49
104	Genetic Dissection of Myopia. <i>Ophthalmology</i> , 2008, 115, 1053-1057.e2.	2.5	48
105	Higher Prevalence of Myocilin Mutations in Advanced Glaucoma in Comparison with Less Advanced Disease in an Australasian Disease Registry. <i>Ophthalmology</i> , 2013, 120, 1135-1143.	2.5	48
106	Genome-Wide Association Shows that Pigmentation Genes Play a Role in Skin Aging. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1887-1894.	0.3	48
107	Automated Cell Culture Systems and Their Applications to Human Pluripotent Stem Cell Studies. <i>SLAS Technology</i> , 2018, 23, 315-325.	1.0	48
108	Genetically low vitamin D concentrations and myopic refractive error: a Mendelian randomization study. <i>International Journal of Epidemiology</i> , 2017, 46, 1882-1890.	0.9	47

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109	Mitochondrial Oxidative Phosphorylation Compensation May Preserve Vision in Patients with OPA1-Linked Autosomal Dominant Optic Atrophy. <i>PLoS ONE</i> , 2011, 6, e21347.	1.1	47
110	Engineering domain-inlaid SaCas9 adenine base editors with reduced RNA off-targets and increased on-target DNA editing. <i>Nature Communications</i> , 2020, 11, 4871.	5.8	46
111	Rapid inexpensive genome-wide association using pooled whole blood. <i>Genome Research</i> , 2009, 19, 2075-2080.	2.4	45
112	Distribution of astigmatism as a function of age in an Australian population. <i>Acta Ophthalmologica</i> , 2015, 93, e377-85.	0.6	44
113	Development of a Modular Automated System for Maintenance and Differentiation of Adherent Human Pluripotent Stem Cells. <i>SLAS Discovery</i> , 2017, 22, 1016-1025.	1.4	44
114	Classification of iris colour: review and refinement of a classification schema. <i>Clinical and Experimental Ophthalmology</i> , 2011, 39, 462-471.	1.3	43
115	Reliability and validity of conjunctival ultraviolet autofluorescence measurement. <i>British Journal of Ophthalmology</i> , 2012, 96, 801-805.	2.1	43
116	Glaucoma spectrum and age-related prevalence of individuals with FOXC1 and PITX2 variants. <i>European Journal of Human Genetics</i> , 2017, 25, 839-847.	1.4	43
117	Elevation of Serum Asymmetrical and Symmetrical Dimethylarginine in Patients with Advanced Glaucoma. , 2012, 53, 1923.		42
118	Hypomethylation of the IL17RC Promoter in Peripheral Blood Leukocytes Is Not A Hallmark of Age-Related Macular Degeneration. <i>Cell Reports</i> , 2013, 5, 1527-1535.	2.9	42
119	Association of Genetic Variants with Primary Angle Closure Glaucoma in Two Different Populations. <i>PLoS ONE</i> , 2013, 8, e67903.	1.1	42
120	Genome engineering in ophthalmology: Application of CRISPR/Cas to the treatment of eye disease. <i>Progress in Retinal and Eye Research</i> , 2016, 53, 1-20.	7.3	42
121	Study of mitochondrial respiratory defects on reprogramming to human induced pluripotent stem cells. <i>Aging</i> , 2016, 8, 945-957.	1.4	42
122	Disease Severity of Familial Glaucoma Compared With Sporadic Glaucoma. <i>JAMA Ophthalmology</i> , 2006, 124, 950.	2.6	41
123	Retinal microvessels reflect familial vulnerability to psychotic symptoms: A comparison of twins discordant for psychotic symptoms and controls. <i>Schizophrenia Research</i> , 2015, 164, 47-52.	1.1	41
124	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> , 2022, 18, 718-731.	1.7	40
125	TIMP1, TIMP2, and TIMP4 are increased in aqueous humor from primary open angle glaucoma patients. <i>Molecular Vision</i> , 2015, 21, 1162-72.	1.1	40
126	Effect of Birth Parameters on Retinal Vascular Caliber. <i>Hypertension</i> , 2009, 53, 487-493.	1.3	39

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127	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.	2.6	39
128	Quantitative Genetic Analysis of the Retinal Vascular Caliber. Hypertension, 2009, 54, 788-795.	1.3	38
129	Optic Disc Evaluation in Optic Neuropathies. Ophthalmology, 2011, 118, 964-970.	2.5	38
130	Association of Genetic Variants in the <i>TMCO1</i> Gene with Clinical Parameters Related to Glaucoma and Characterization of the Protein in the Eye. , 2012, 53, 4917.		38
131	Establishment and evolution of the Australian inherited retinal disease register and DNA Bank. Clinical and Experimental Ophthalmology, 2013, 41, 476-483.	1.3	37
132	Pterygium and conjunctival ultraviolet autofluorescence in young Australian adults: the Raine study. Clinical and Experimental Ophthalmology, 2015, 43, 300-307.	1.3	37
133	An Interactive Multimedia Approach to Improving Informed Consent for Induced Pluripotent Stem Cell Research. Cell Stem Cell, 2016, 18, 307-308.	5.2	37
134	A COL17A1 Splice-Altering Mutation Is Prevalent in Inherited Recurrent Corneal Erosions. Ophthalmology, 2016, 123, 709-722.	2.5	37
135	An Intraocular Pressure Polygenic Risk Score Stratifies Multiple Primary Open-Angle Glaucoma Parameters Including Treatment Intensity. Ophthalmology, 2020, 127, 901-907.	2.5	37
136	Comparative performance of the BGI and Illumina sequencing technology for single-cell RNA-sequencing. NAR Genomics and Bioinformatics, 2020, 2, lqaa034.	1.5	37
137	Twins Eye Study in Tasmania (TEST): Rationale and Methodology to Recruit and Examine Twins. Twin Research and Human Genetics, 2009, 12, 441-454.	0.3	36
138	Novel quantitative trait loci for central corneal thickness identified by candidate gene analysis of osteogenesis imperfecta genes. Human Genetics, 2010, 127, 33-44.	1.8	36
139	Drug discovery using induced pluripotent stem cell models of neurodegenerative and ocular diseases. , 2017, 177, 32-43.		36
140	Corneal Stiffness Parameters Are Predictive of Structural and Functional Progression in Glaucoma Suspect Eyes. Ophthalmology, 2021, 128, 993-1004.	2.5	36
141	Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. Science Advances, 2021, 7, .	4.7	36
142	A multi-ethnic genome-wide association study implicates collagen matrix integrity and cell differentiation pathways in keratoconus. Communications Biology, 2021, 4, 266.	2.0	36
143	Genetic Variants near <i>PDGFRA</i> Are Associated with Corneal Curvature in Australians. , 2012, 53, 7131.		34
144	Association of Genetic Variation With Keratoconus. JAMA Ophthalmology, 2020, 138, 174.	1.4	34

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145	Time spent outdoors in childhood is associated with reduced risk of myopia as an adult. Scientific Reports, 2021, 11, 6337.	1.6	34
146	A genetic variant regulating miR-126 is associated with sight threatening diabetic retinopathy. Diabetes and Vascular Disease Research, 2015, 12, 133-138.	0.9	33
147	Analysis combining correlated glaucoma traits identifies five new risk loci for open-angle glaucoma. Scientific Reports, 2018, 8, 3124.	1.6	33
148	A Need for Better Understanding Is the Major Determinant for Public Perceptions of Human Gene Editing. Human Gene Therapy, 2019, 30, 36-43.	1.4	33
149	Prevalence of <i>FOXC1</i> Variants in Individuals With a Suspected Diagnosis of Primary Congenital Glaucoma. JAMA Ophthalmology, 2019, 137, 348.	1.4	33
150	Biallelic CPAMD8 Variants Are a Frequent Cause of Childhood and Juvenile Open-Angle Glaucoma. Ophthalmology, 2020, 127, 758-766.	2.5	33
151	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.	2.5	32
152	Myocilin Gene Gln368Ter Variant Penetrance and Association With Glaucoma in Population-Based and Registry-Based Studies. JAMA Ophthalmology, 2019, 137, 28.	1.4	32
153	Identification of a Candidate Gene for Astigmatism. , 2013, 54, 1260.		31
154	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.	3.1	31
155	Association of <i>eNOS</i> Polymorphisms with Primary Angle-Closure Glaucoma. , 2013, 54, 2108.		30
156	Genetic and Environmental Factors in Conjunctival UV Autofluorescence. JAMA Ophthalmology, 2015, 133, 406.	1.4	30
157	Associations Between Depression and Anxiety Symptoms and Retinal Vessel Caliber in Adolescents and Young Adults. Psychosomatic Medicine, 2014, 76, 732-738.	1.3	29
158	Risk Alleles Associated with Neovascularization in a Pachychoroid Phenotype. Ophthalmology, 2016, 123, 2628-2630.	2.5	29
159	Defined Medium Conditions for the Induction and Expansion of Human Pluripotent Stem Cell-Derived Retinal Pigment Epithelium. Stem Cell Reviews and Reports, 2016, 12, 179-188.	5.6	29
160	Approach for in vivo delivery of CRISPR/Cas system: a recent update and future prospect. Cellular and Molecular Life Sciences, 2021, 78, 2683-2708.	2.4	29
161	Friedreich's ataxia induced pluripotent stem cell-derived cardiomyocytes display electrophysiological abnormalities and calcium handling deficiency. Aging, 2017, 9, 1440-1452.	1.4	29
162	Single-Cell Profiling Identifies Key Pathways Expressed by iPSCs Cultured in Different Commercial Media. IScience, 2018, 7, 30-39.	1.9	28

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163	Genotypic and phenotypic spectrum of X-linked retinoschisis in Australia. <i>Clinical and Experimental Ophthalmology</i> , 2005, 33, 233-239.	1.3	27
164	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> , 2012, 154, 833-842.e2.	1.7	27
165	Genetic Loci for Retinal Arteriolar Microcirculation. <i>PLoS ONE</i> , 2013, 8, e65804.	1.1	27
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325	Google-based search of common blinding diseases: a reflection of public concerns. British Journal of Ophthalmology, 2012, 96, 1444-1445.	2.1	0
326	Authors' responseâ€”Approach to evaluating the reliability and validity of conjunctival ultraviolet autofluorescence measurement. British Journal of Ophthalmology, 2012, 96, 1271.2-1271.	2.1	0
327	Corneal Genetics: Using Ancestry to Dissect Quantitative Traits for Complex Disease Discovery. , 2013, 54, 2444.		0
328	Peeking into the molecular trove of discarded surgical specimens. Clinical and Experimental Ophthalmology, 2016, 44, 661-662.	1.3	0
329	Response: Cycloplegia in refraction: age and cycloplegics. Acta Ophthalmologica, 2016, 94, e373.	0.6	0
330	Sonic Hedgehog Intron Variant Associated With an Unusual Pediatric Cortical Cataract. , 2022, 63, 25.		0