Christopher J. Hammond

List of Publications by Year in Descending Order

185 papers	10,719 citations	55 h-index	101 g-index
195 ext. papers	12,905 ext. citations	9.6 avg, IF	5.59 L-index

#	Paper	IF	Citations
185	Temporal trends in frequency, type and severity of myopia and associations with key environmental risk factors in the UK: Findings from the UK Biobank Study.. *PLoS ONE*, **2022**, 17, e0260993	3.7	0
184	Incidence and Progression of Myopia in Early Adulthood.. *JAMA Ophthalmology*, **2022**,	3.9	4
183	Electrophysiological Assessment in Birdshot Chorioretinopathy: Flicker Electroretinograms Recorded With a Handheld Device.. *Translational Vision Science and Technology*, **2022**, 11, 23	3.3	0
182	The vision-related burden of dry eye. *Ocular Surface*, **2021**, 23, 207-207	6.5	1
181	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
180	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
179	Time spent outdoors in childhood is associated with reduced risk of myopia as an adult. *Scientific Reports*, **2021**, 11, 6337	4.9	9
178	IMI 2021 Yearly Digest **2021**, 62, 7		6
177	The relationship between dry eye and sleep quality. *Ocular Surface*, **2021**, 20, 13-19	6.5	7
176	Evidence That Pupil Size and Reactivity Are Determined More by Your Parents Than by Your Environment. *Frontiers in Neurology*, **2021**, 12, 651755	4.1	1
175	Genetic variation affects morphological retinal phenotypes extracted from UK Biobank optical coherence tomography images. *PLoS Genetics*, **2021**, 17, e1009497	6	5
174	The physical and mental burden of dry eye disease: A large population-based study investigating the relationship with health-related quality of life and its determinants. *Ocular Surface*, **2021**, 21, 107-117	6.5	11
173	The relationship between alcohol consumption and dry eye. *Ocular Surface*, **2021**, 21, 87-95	6.5	1
172	Prevalence and risk factors of dry eye in 79,866 participants of the population-based Lifelines cohort study in the Netherlands. *Ocular Surface*, **2021**, 19, 83-93	6.5	24
171	Can Visual Acuity Be Reliably Measured at Home? Validation of Telemedicine Remote Computerised Visual Acuity Measurements. *British and Irish Orthoptic Journal*, **2021**, 17, 119-126	1.2	0
170	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. *Nature Communications*, **2021**, 12, 1258	17.4	47
169	Association Between Medication-Taking and Refractive Error in a Large General Population-Based Cohort **2021**, 62, 15		1

168	Prevalence of electronegative electroretinograms in a healthy adult cohort. *BMJ Open Ophthalmology*, **2021**, 6, e000751	3.2	0
167	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
166	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
165	Medication use and dry eye symptoms: A large, hypothesis-free, population-based study in the Netherlands. *Ocular Surface*, **2021**, 22, 1-12	6.5	1
164	Consortium for Refractive Error and Myopia (CREAM): Vision, Mission, and Accomplishments. *Essentials in Ophthalmology*, **2021**, 381-407	0.2	
163	The Association of Ambient Air Pollution With Cataract Surgery in UK Biobank Participants: Prospective Cohort Study **2021**, 62, 7		1
162	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
161	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
160	Western Australia Atropine for the Treatment of Myopia (WA-ATOM) study: Rationale, methodology and participant baseline characteristics. *Clinical and Experimental Ophthalmology*, **2020**, 48, 569-579	2.4	7
159	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
158	Associations Between Fetal Growth Trajectories and the Development of Myopia by 20 Years of Age **2020**, 61, 26		1
157	Comparison of Associations with Different Macular Inner Retinal Thickness Parameters in a Large Cohort: The UK Biobank. *Ophthalmology*, **2020**, 127, 62-71	7.3	20
156	Low-dose (0.01%) atropine eye-drops to reduce progression of myopia in children: a multicentre placebo-controlled randomised trial in the UK (CHAMP-UK)-study protocol. *British Journal of Ophthalmology*, **2020**, 104, 950-955	5.5	20
155	Re: Lee et al.: Longitudinal changes in peripapillary retinal nerve fiber layer thickness in high myopia: a prospective, observational study (Ophthalmology. 2019;126:522-528). *Ophthalmology*, **2020**, 127, e9-e10	7.3	
154	Genome-wide association study of corneal biomechanical properties identifies over 200 loci providing insight into the genetic etiology of ocular diseases. *Human Molecular Genetics*, **2020**, 29, 3154-3164	5.6	13
153	Age-dependent regional retinal nerve fibre changes in SIX1/SIX6 polymorphism. *Scientific Reports*, **2020**, 10, 12485	4.9	1
152	The Role of Chromosome X in Intraocular Pressure Variation and Sex-Specific Effects **2020**, 61, 20		2
151	Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. *Communications Biology*, **2020**, 3, 755	6.7	3

150	Genetic Heritability of Pigmentary Glaucoma and Associations With Other Eye Phenotypes. *JAMA Ophthalmology*, **2020**, 138, 294-299	3.9	4
149	Advances, limitations and future perspectives in the diagnosis and management of dry eye in Sjögren's syndrome. *Clinical and Experimental Rheumatology*, **2020**, 38 Suppl 126, 301-309	2.2	2
148	Genetic Correlations Between Diabetes and Glaucoma: An Analysis of Continuous and Dichotomous Phenotypes. *American Journal of Ophthalmology*, **2019**, 206, 245-255	4.9	6
147	IMI - Myopia Genetics Report **2019**, 60, M89-M105		73
146	Genetic variants linked to myopic macular degeneration in persons with high myopia: CREAM Consortium. *PLoS ONE*, **2019**, 14, e0220143	3.7	5
145	Genetic Variants Associated With Corneal Biomechanical Properties and Potentially Conferring Susceptibility to Keratoconus in a Genome-Wide Association Study. *JAMA Ophthalmology*, **2019**, 137, 1005-1012	3.9	25
144	TwinsUK: The UK Adult Twin Registry Update. *Twin Research and Human Genetics*, **2019**, 22, 523-529	2.2	51
143	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. *JAMA - Journal of the American Medical Association*, **2019**, 322, 1682-1691	27.4	31
142	Multi-trait genome-wide association study identifies new loci associated with optic disc parameters. *Communications Biology*, **2019**, 2, 435	6.7	10
141	Ascorbic acid metabolites are involved in intraocular pressure control in the general population. *Redox Biology*, **2019**, 20, 349-353	11.3	14
140	Early life factors for myopia in the British Twins Early Development Study. *British Journal of Ophthalmology*, **2019**, 103, 1078-1084	5.5	18
139	Increased High-Density Lipoprotein Levels Associated with Age-Related Macular Degeneration: Evidence from the EYE-RISK and European Eye Epidemiology Consortia. *Ophthalmology*, **2019**, 126, 393-406	7.3	49
138	A twin study of cilioretinal arteries, tilted discs and situs inversus. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2018**, 256, 333-340	3.8	6
137	Sex differences in clinical characteristics of dry eye disease. *Ocular Surface*, **2018**, 16, 242-248	6.5	26
136	Systemic and Ocular Determinants of Peripapillary Retinal Nerve Fiber Layer Thickness Measurements in the European Eye Epidemiology (E3) Population. *Ophthalmology*, **2018**, 125, 1526-1536	7.3	41
135	Definitive Zygosity Scores in the Peas in the Pod Questionnaire is a Sensitive and Accurate Assessment of the Zygosity of Adult Twins. *Twin Research and Human Genetics*, **2018**, 21, 146-154	2.2	8
134	Family-Based Genome-Wide Association Study of South Indian Pedigrees Supports WNT7B as a Central Corneal Thickness Locus **2018**, 59, 2495-2502		7
133	Effect of varying skin surface electrode position on electroretinogram responses recorded using a handheld stimulating and recording system. *Documenta Ophthalmologica*, **2018**, 137, 79-86	2.2	13

132	A genome-wide association study of corneal astigmatism: The CREAM Consortium. *Molecular Vision*, **2018**, 24, 127-142	2.3	5
131	Genome-wide association study of primary open-angle glaucoma in continental and admixed African populations. *Human Genetics*, **2018**, 137, 847-862	6.3	25
130	Repeatability of the macular pigment spatial profile: A comparison of objective versus subjective classification. *Acta Ophthalmologica*, **2018**, 96, e797-e803	3.7	1
129	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. *Nature Genetics*, **2018**, 50, 834-848	36.3	135
128	Genome-wide analyses identify 68 new loci associated with intraocular pressure and improve risk prediction for primary open-angle glaucoma. *Nature Genetics*, **2018**, 50, 778-782	36.3	122
127	Exploring correlations between change in visual acuity following routine cataract surgery and improvement in quality of life assessed with the Glasgow Benefit Inventory. *Eye*, **2018**, 32, 1549-1550	4.4	2
126	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
125	A Metabolome-Wide Study of Dry Eye Disease Reveals Serum Androgens as Biomarkers. *Ophthalmology*, **2017**, 124, 505-511	7.3	26
124	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
123	Relative Genetic and Environmental Contributions to Variations in Human Retinal Electrical Responses Quantified in a Twin Study. *Ophthalmology*, **2017**, 124, 1175-1185	7.3	7
122	Phenotypic and genotypic correlation between myopia and intelligence. *Scientific Reports*, **2017**, 7, 45977	4.9	16
121	Haplotype reference consortium panel: Practical implications of imputations with large reference panels. *Human Mutation*, **2017**, 38, 1025-1032	4.7	20
120	Whole-Genome Sequencing Coupled to Imputation Discovers Genetic Signals for Anthropometric Traits. *American Journal of Human Genetics*, **2017**, 100, 865-884	11	74
119	Genetic and Environmental Factors Associated With the Ganglion Cell Complex in a Healthy Aging British Cohort. *JAMA Ophthalmology*, **2017**, 135, 31-38	3.9	12
118	Association Between Myopia, Ultraviolet B Radiation Exposure, Serum Vitamin D Concentrations, and Genetic Polymorphisms in Vitamin D Metabolic Pathways in a Multicountry European Study. *JAMA Ophthalmology*, **2017**, 135, 47-53	3.9	46
117	Predictors of Discordance between Symptoms and Signs in Dry Eye Disease. *Ophthalmology*, **2017**, 124, 280-286	7.3	73
116	Evaluation of the Myocilin Mutation Gln368Stop Demonstrates Reduced Penetrance for Glaucoma in European Populations. *Ophthalmology*, **2017**, 124, 547-553	7.3	17
115	Genetic African Ancestry Is Associated With Central Corneal Thickness and Intraocular Pressure in Primary Open-Angle Glaucoma **2017**, 58, 3172-3180		9

114	Do twins share the same dress code? Quantifying relative genetic and environmental contributions to subjective perceptions of "the dress" in a classical twin study. *Journal of Vision*, **2017**, 17, 29	0.4	17
113	Re: Datiles et al.: Longitudinal study of age-related cataract using dynamic light scattering: loss of crystallin leads to nuclear cataract development (Ophthalmology 2016;123:248-54). *Ophthalmology*, **2016**, 123, e47-e48	7.3	
112	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
111	Childhood gene-environment interactions and age-dependent effects of genetic variants associated with refractive error and myopia: The CREAM Consortium. *Scientific Reports*, **2016**, 6, 25853	4.9	57
110	The correlation between cognitive performance and retinal nerve fibre layer thickness is largely explained by genetic factors. *Scientific Reports*, **2016**, 6, 34116	4.9	7
109	Response: Cycloplegia in refraction: age and cycloplegics. *Acta Ophthalmologica*, **2016**, 94, e373	3.7	
108	Reply. *Ophthalmology*, **2016**, 123, e29	7.3	
107	Ophthalmic epidemiology in Europe: the "European Eye Epidemiology" (E3) consortium. *European Journal of Epidemiology*, **2016**, 31, 197-210	12.1	21
106	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
105	Clinical Characteristics of Dry Eye Patients With Chronic Pain Syndromes. *American Journal of Ophthalmology*, **2016**, 162, 59-65.e2	4.9	37
104	Associations with intraocular pressure across Europe: The European Eye Epidemiology (E) Consortium. *European Journal of Epidemiology*, **2016**, 31, 1101-1111	12.1	16
103	Genetic and Dietary Factors Influencing the Progression of Nuclear Cataract. *Ophthalmology*, **2016**, 123, 1237-44	7.3	20
102	Aging Trajectories in Different Body Systems Share Common Environmental Etiology: The Healthy Aging Twin Study (HATS). *Twin Research and Human Genetics*, **2016**, 19, 27-34	2.2	3
101	GWAS in myopia: insights into disease and implications for the clinic. *Expert Review of Ophthalmology*, **2016**, 11, 101-110	1.5	5
100	Changes in quality of life shortly after routine cataract surgery. *Canadian Journal of Ophthalmology*, **2016**, 51, 282-287	1.4	10
99	Directional dominance on stature and cognition in diverse human populations. *Nature*, **2015**, 523, 459-462	30.4	119
98	Increasing Prevalence of Myopia in Europe and the Impact of Education. *Ophthalmology*, **2015**, 122, 1489-97	7.3	220
97	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

96	Prevalence of refractive error in Europe: the European Eye Epidemiology (E(3)) Consortium. *European Journal of Epidemiology*, **2015**, 30, 305-15	12.1	193
95	How strong is the relationship between glaucoma, the retinal nerve fibre layer, and neurodegenerative diseases such as Alzheimer's disease and multiple sclerosis?. *Eye*, **2015**, 29, 1270-84	4.4	41
94	Risk factors for myopia in a discordant monozygotic twin study. *Ophthalmic and Physiological Optics* , **2015**, 35, 643-51	4.1	25
93	Frequency and Distribution of Refractive Error in Adult Life: Methodology and Findings of the UK Biobank Study. *PLoS ONE*, **2015**, 10, e0139780	3.7	28
92	Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. *Nature Communications*, **2015**, 6, 8658	17.4	79
91	Interocular asymmetries in axial length and refractive error in 4 cohorts. *Ophthalmology*, **2015**, 122, 648-9	7.3	6
90	Meta-analysis of Genome-Wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. *Genetic Epidemiology*, **2015**, 39, 207-16	2.6	58
89	Low copy number of the salivary amylase gene predisposes to obesity. *Nature Genetics*, **2014**, 46, 492-7	36.3	177
88	Twin studies in inherited eye disease. *Clinical and Experimental Ophthalmology*, **2014**, 42, 84-93	2.4	2
87	Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nature Genetics*, **2014**, 46, 669-77	36.3	104
86	Clarifying the role of ATOH7 in glaucoma endophenotypes. *British Journal of Ophthalmology*, **2014**, 98, 562-6	5.5	11
85	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
84	Outcomes of ptosis surgery assessed using a patient-reported outcome measure: an exploration of time effects. *British Journal of Ophthalmology*, **2014**, 98, 387-90	5.5	9
83	Genome-wide association studies of refractive error and myopia, lessons learned, and implications for the future **2014**, 55, 3344-51		54
82	Shared genetic factors underlie chronic pain syndromes. *Pain*, **2014**, 155, 1562-1568	8	85
81	Association of CHRDL1 mutations and variants with X-linked megalocornea, Neuhäuser syndrome and central corneal thickness. *PLoS ONE*, **2014**, 9, e104163	3.7	20
80	Genome-wide meta-analysis of myopia and hyperopia provides evidence for replication of 11 loci. *PLoS ONE*, **2014**, 9, e107110	3.7	36
79	The heritability of dry eye disease in a female twin cohort **2014**, 55, 7278-83		26

78	The heritability of the ring-like distribution of macular pigment assessed in a twin study **2014**, 55, 2214-9		8
77	Prevalence and risk factors of dry eye disease in a British female cohort. *British Journal of Ophthalmology*, **2014**, 98, 1712-7	5.5	123
76	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
75	Common mechanisms underlying refractive error identified in functional analysis of gene lists from genome-wide association study results in 2 European British cohorts. *JAMA Ophthalmology*, **2014**, 132, 50-6	3.9	19
74	What is the appropriate age cut-off for cycloplegia in refraction?. *Acta Ophthalmologica*, **2014**, 92, e458-62	3.7	43
73	High heritability of posterior corneal tomography, as measured by Scheimpflug imaging, in a twin study. *Investigative Ophthalmology and Visual Science*, **2014**, 55, 8359-64		9
72	'Dilatation' and 'dilation': trends in use on both sides of the Atlantic. *British Journal of Ophthalmology*, **2014**, 98, 845-6	5.5	
71	Optic disc planimetry, corneal hysteresis, central corneal thickness, and intraocular pressure as risk factors for glaucoma. *American Journal of Ophthalmology*, **2014**, 157, 441-6	4.9	24
70	Relationship between dry eye symptoms and pain sensitivity. *JAMA Ophthalmology*, **2013**, 131, 1304-8	3.9	67
69	Candidate gene study of macular response to supplemental lutein and zeaxanthin. *Experimental Eye Research*, **2013**, 115, 172-7	3.7	23
68	Advances in the genomics of common eye diseases. *Human Molecular Genetics*, **2013**, 22, R59-65	5.6	37
67	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
66	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
65	Investigation of genetic variation in scavenger receptor class B, member 1 (SCARB1) and association with serum carotenoids. *Ophthalmology*, **2013**, 120, 1632-40	7.3	23
64	Potential effect of 'cut-off intensity' on correlation between light meter measurements and time outdoors. *Eye*, **2013**, 27, 990-1	4.4	2
63	Genome-wide association study of intraocular pressure identifies the GLCCI1/ICA1 region as a glaucoma susceptibility locus. *Human Molecular Genetics*, **2013**, 22, 4653-60	5.6	24
62	The UK Adult Twin Registry (TwinsUK Resource). *Twin Research and Human Genetics*, **2013**, 16, 144-9	2.2	180
61	Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. *Nature Genetics*, **2013**, 45, 155-63	36.3	222

60	Age of myopia onset in a British population-based twin cohort. *Ophthalmic and Physiological Optics*, **2013**, 33, 339-45	4.1	22
59	Adjusted sequence kernel association test for rare variants controlling for cryptic and family relatedness. *Genetic Epidemiology*, **2013**, 37, 366-76	2.6	47
58	Cohort Profile: TwinsUK and healthy ageing twin study. *International Journal of Epidemiology*, **2013**, 42, 76-85	7.8	181
57	Association mapping of the high-grade myopia MYP3 locus reveals novel candidates UHRF1BP1L, PTPRR, and PPFIA2 **2013**, 54, 2076-86		21
56	Identification of a candidate gene for astigmatism **2013**, 54, 1260-7		23
55	Copy number variation at chromosome 5q21.2 is associated with intraocular pressure **2013**, 54, 3607-12		10
54	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
53	Association of FTO gene variants with body composition in UK twins. *Annals of Human Genetics*, **2012**, 76, 333-41	2.2	21
52	Choice of analytic approach for eye-specific outcomes: one eye or two?. *American Journal of Ophthalmology*, **2012**, 153, 781-2; author reply 782	4.9	4
51	Effects of age on genetic influence on bone loss over 17 years in women: the Healthy Ageing Twin Study (HATS). *Journal of Bone and Mineral Research*, **2012**, 27, 2170-8	6.3	27
50	Genetic variants near PDGFRA are associated with corneal curvature in Australians **2012**, 53, 7131-6		31
49	Modelling the initial phase of the human rod photoreceptor response to the onset of steady illumination. *Documenta Ophthalmologica*, **2012**, 124, 125-31	2.2	6
48	Common genetic determinants of intraocular pressure and primary open-angle glaucoma. *PLoS Genetics*, **2012**, 8, e1002611	6	131
47	Genome-wide joint meta-analysis of SNP and SNP-by-smoking interaction identifies novel loci for pulmonary function. *PLoS Genetics*, **2012**, 8, e1003098	6	108
46	The heritability of macular response to supplemental lutein and zeaxanthin: a classic twin study **2012**, 53, 4963-8		25
45	Common polymorphisms in the SERPINI2 gene are associated with refractive error in the 1958 British Birth Cohort **2012**, 53, 440-7		3
44	Genome-wide association analysis of coffee drinking suggests association with CYP1A1/CYP1A2 and NRCAM. *Molecular Psychiatry*, **2012**, 17, 1116-29	15.1	93
43	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

42	New gene functions in megakaryopoiesis and platelet formation. *Nature*, **2011**, 480, 201-8	50.4	330
41	Human metabolic individuality in biomedical and pharmaceutical research. *Nature*, **2011**, 477, 54-60	50.4	728
40	Genome-wide association study identifies 12 new susceptibility loci for primary biliary cirrhosis. *Nature Genetics*, **2011**, 43, 329-32	36.3	396
39	Ophthalmic phenotypes and the representativeness of twin data for the general population **2011**, 52, 5565-72		14
38	The relationship between retinal arteriolar and venular calibers is genetically mediated, and each is associated with risk of cardiovascular disease **2011**, 52, 975-81		21
37	Myopia: Why Study the Mechanisms of Myopia? Novel Approaches to Risk Factors Signaling Eye Growth- How Could Basic Biology Be Translated into Clinical Insights? Where Are Genetic and Proteomic Approaches Leading? How Does Visual Function Contribute to and Interact with Ametropia? Does Eye Shape Matter? Why Ametropia at All?. *Optometry and Vision Science*, **2011**, 88, 404-447	2.1	8
36	Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. *Nature Genetics*, **2011**, 43, 1082-90	36.3	313
35	The architecture of gene regulatory variation across multiple human tissues: the MuTHER study. *PLoS Genetics*, **2011**, 7, e1002003	6	336
34	Comparison of three methods of intraocular pressure measurement and their relation to central corneal thickness. *Eye*, **2010**, 24, 1165-70	4.4	31
33	Common variants near CAV1 and CAV2 are associated with primary open-angle glaucoma. *Nature Genetics*, **2010**, 42, 906-9	36.3	303
32	A genome-wide association study identifies a susceptibility locus for refractive errors and myopia at 15q14. *Nature Genetics*, **2010**, 42, 897-901	36.3	181
31	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
30	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
29	Genome-wide association identifies ATOH7 as a major gene determining human optic disc size. *Human Molecular Genetics*, **2010**, 19, 2716-24	5.6	118
28	Four novel Loci (19q13, 6q24, 12q24, and 5q14) influence the microcirculation in vivo. *PLoS Genetics* , **2010**, 6, e1001184	6	111
27	A genome-wide association study of optic disc parameters. *PLoS Genetics*, **2010**, 6, e1000978	6	157
26	Genome-wide association study identifies two novel regions at 11p15.5-p13 and 1p31 with major impact on acute-phase serum amyloid A. *PLoS Genetics*, **2010**, 6, e1001213	6	20
25	Digital quantification of human eye color highlights genetic association of three new loci. *PLoS Genetics*, **2010**, 6, e1000934	6	135

24	The heritability of ocular traits. *Survey of Ophthalmology*, **2010**, 55, 561-83	6.1	111
23	Repeated measures of intraocular pressure result in higher heritability and greater power in genetic linkage studies **2009**, 50, 5115-9		23
22	Executive and attention functioning among children in the PANDAS subgroup. *Child Neuropsychology*, **2009**, 15, 179-94	2.7	27
21	Quantitative genetic analysis of the retinal vascular caliber: the Australian Twins Eye Study. *Hypertension*, **2009**, 54, 788-95	8.5	34
20	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
19	Anterior ischemic optic neuropathy after strabismus surgery. *Journal of Neuro-Ophthalmology*, **2009**, 29, 157-8	2.6	5
18	Estimating heritability and shared environmental effects for refractive error in twin and family studies **2009**, 50, 126-31		101
17	Audit of the use of IVC filters in the UK: experience from three centres over 12 years. *Clinical Radiology*, **2009**, 64, 502-10	2.9	43
16	EPHA2 is associated with age-related cortical cataract in mice and humans. *PLoS Genetics*, **2009**, 5, e1000584	6	114
15	Genetic dissection of myopia: evidence for linkage of ocular axial length to chromosome 5q. *Ophthalmology*, **2008**, 115, 1053-1057.e2	7.3	39
14	Heritability of intraocular pressure: a classical twin study. *British Journal of Ophthalmology*, **2008**, 92, 1125-8	5.5	22
13	The Roles of PAX6 and SOX2 in Myopia: lessons from the 1958 British Birth Cohort. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4421-5		31
12	The First □classical□Twin Study? Analysis of Refractive Error Using Monozygotic and Dizygotic Twins Published in 1922. *Twin Research and Human Genetics*, **2005**, 8, 198-200	2.2	15
11	Heritability of macular pigment: a twin study. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 4430-6		66
10	Central corneal thickness is highly heritable: the twin eye studies. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 3718-22		115
9	The first "classical" twin study? Analysis of refractive error using monozygotic and dizygotic twins published in 1922. *Twin Research and Human Genetics*, **2005**, 8, 198-200	2.2	16
8	A susceptibility locus for myopia in the normal population is linked to the PAX6 gene region on chromosome 11: a genomewide scan of dizygotic twins. *American Journal of Human Genetics*, **2004**, 75, 294-304	11	173
7	Genetic influence on early age-related maculopathy: a twin study. *Ophthalmology*, **2002**, 109, 730-6	7.3	191

6	The heritability of age-related cortical cataract: the twin eye study. *Investigative Ophthalmology and Visual Science*, **2001**, 42, 601-5		107
5	Genes and environment in refractive error: the twin eye study. *Investigative Ophthalmology and Visual Science*, **2001**, 42, 1232-6		234
4	Factors affecting pupil size after dilatation: the Twin Eye Study. *British Journal of Ophthalmology*, **2000**, 84, 1173-6	5.5	26
3	Genetic and environmental factors in age-related nuclear cataracts in monozygotic and dizygotic twins. *New England Journal of Medicine*, **2000**, 342, 1786-90	59.2	177
2	The spectrum of eye disease in children with AIDS due to vertically transmitted HIV disease: clinical findings, virology and recommendations for surveillance. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **1997**, 235, 125-9	3.8	8
1	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