

Christopher J. Hammond

List of Publications by Year in descending order

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Version: 2024-02-01

190
papers

14,652
citations

25031

57
h-index

24254

110
g-index

195
all docs

195
docs citations

195
times ranked

18135
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Human metabolic individuality in biomedical and pharmaceutical research. <i>Nature</i> , 2011, 477, 54-60. | 27.8 | 916 |
| 2 | Genome-wide association study identifies 12 new susceptibility loci for primary biliary cirrhosis. <i>Nature Genetics</i> , 2011, 43, 329-332. | 21.4 | 441 |
| 3 | New gene functions in megakaryopoiesis and platelet formation. <i>Nature</i> , 2011, 480, 201-208. | 27.8 | 401 |
| 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. | 21.4 | 398 |
| 5 | The Architecture of Gene Regulatory Variation across Multiple Human Tissues: The MuTHER Study. <i>PLoS Genetics</i> , 2011, 7, e1002003. | 3.5 | 392 |
| 6 | Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. <i>Nature Genetics</i> , 2011, 43, 1082-1090. | 21.4 | 367 |
| 7 | Common variants near CAV1 and CAV2 are associated with primary open-angle glaucoma. <i>Nature Genetics</i> , 2010, 42, 906-909. | 21.4 | 357 |
| 8 | Increasing Prevalence of Myopia in Europe and the Impact of Education. <i>Ophthalmology</i> , 2015, 122, 1489-1497. | 5.2 | 329 |
| 9 | Prevalence of refractive error in Europe: the European Eye Epidemiology (E3) Consortium. <i>European Journal of Epidemiology</i> , 2015, 30, 305-315. | 5.7 | 306 |
| 10 | Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. <i>Nature Genetics</i> , 2013, 45, 155-163. | 21.4 | 269 |
| 11 | Genes and environment in refractive error: the twin eye study. <i>Investigative Ophthalmology and Visual Science</i> , 2001, 42, 1232-6. | 3.3 | 269 |
| 12 | Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. <i>Nature Genetics</i> , 2018, 50, 834-848. | 21.4 | 239 |
| 13 | The UK Adult Twin Registry (TwinsUK Resource). <i>Twin Research and Human Genetics</i> , 2013, 16, 144-149. | 0.6 | 237 |
| 14 | Cohort Profile: TwinsUK and Healthy Ageing Twin Study. <i>International Journal of Epidemiology</i> , 2013, 42, 76-85. | 1.9 | 224 |
| 15 | Genetic influence on early age-related maculopathy. <i>Ophthalmology</i> , 2002, 109, 730-736. | 5.2 | 218 |
| 16 | Low copy number of the salivary amylase gene predisposes to obesity. <i>Nature Genetics</i> , 2014, 46, 492-497. | 21.4 | 214 |
| 17 | Genome-wide analyses identify 68 new loci associated with intraocular pressure and improve risk prediction for primary open-angle glaucoma. <i>Nature Genetics</i> , 2018, 50, 778-782. | 21.4 | 214 |
| 18 | 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. | 21.4 | 212 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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. | 21.4 | 211 |
| 20 | Genetic and Environmental Factors in Age-Related Nuclear Cataracts in Monozygotic and Dizygotic Twins. <i>New England Journal of Medicine</i> , 2000, 342, 1786-1790. | 27.0 | 207 |
| 21 | A genome-wide association study for myopia and refractive error identifies a susceptibility locus at 15q25. <i>Nature Genetics</i> , 2010, 42, 902-905. | 21.4 | 204 |
| 22 | A genome-wide association study identifies a susceptibility locus for refractive errors and myopia at 15q14. <i>Nature Genetics</i> , 2010, 42, 897-901. | 21.4 | 200 |
| 23 | Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. <i>Nature Communications</i> , 2021, 12, 1258. | 12.8 | 196 |
| 24 | 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. | 21.4 | 192 |
| 25 | 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. <i>American Journal of Human Genetics</i> , 2004, 75, 294-304. | 6.2 | 188 |
| 26 | A Genome-Wide Association Study of Optic Disc Parameters. <i>PLoS Genetics</i> , 2010, 6, e1000978. | 3.5 | 187 |
| 27 | 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. | 21.4 | 180 |
| 28 | Prevalence and risk factors of dry eye disease in a British female cohort. <i>British Journal of Ophthalmology</i> , 2014, 98, 1712-1717. | 3.9 | 175 |
| 29 | Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , 2015, 523, 459-462. | 27.8 | 173 |
| 30 | Common Genetic Determinants of Intraocular Pressure and Primary Open-Angle Glaucoma. <i>PLoS Genetics</i> , 2012, 8, e1002611. | 3.5 | 164 |
| 31 | Digital Quantification of Human Eye Color Highlights Genetic Association of Three New Loci. <i>PLoS Genetics</i> , 2010, 6, e1000934. | 3.5 | 161 |
| 32 | IMI "Myopia Genetics Report." , 2019, 60, M89. | | 156 |
| 33 | The Heritability of Ocular Traits. <i>Survey of Ophthalmology</i> , 2010, 55, 561-583. | 4.0 | 140 |
| 34 | EPHA2 Is Associated with Age-Related Cortical Cataract in Mice and Humans. <i>PLoS Genetics</i> , 2009, 5, e1000584. | 3.5 | 140 |
| 35 | 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. | 6.2 | 139 |
| 36 | Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. <i>PLoS Genetics</i> , 2010, 6, e1001184. | 3.5 | 134 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Central Corneal Thickness Is Highly Heritable: The Twin Eye Studies. , 2005, 46, 3718. | | 133 |
| 38 | Genome-wide association identifies ATOH7 as a major gene determining human optic disc size. Human Molecular Genetics, 2010, 19, 2716-2724. | 2.9 | 133 |
| 39 | Genome-wide association analysis identifies six new loci associated with forced vital capacity. Nature Genetics, 2014, 46, 669-677. | 21.4 | 131 |
| 40 | Whole-Genome Sequencing Coupled to Imputation Discovers Genetic Signals for Anthropometric Traits. American Journal of Human Genetics, 2017, 100, 865-884. | 6.2 | 131 |
| 41 | Common Genetic Variants near the Brittle Cornea Syndrome Locus ZNF469 Influence the Blinding Disease Risk Factor Central Corneal Thickness. PLoS Genetics, 2010, 6, e1000947. | 3.5 | 130 |
| 42 | Genome-Wide Joint Meta-Analysis of SNP and SNP-by-Smoking Interaction Identifies Novel Loci for Pulmonary Function. PLoS Genetics, 2012, 8, e1003098. | 3.5 | 130 |
| 43 | Estimating Heritability and Shared Environmental Effects for Refractive Error in Twin and Family Studies. , 2009, 50, 126. | | 123 |
| 44 | 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, ddw399. | 2.9 | 120 |
| 45 | TwinsUK: The UK Adult Twin Registry Update. Twin Research and Human Genetics, 2019, 22, 523-529. | 0.6 | 116 |
| 46 | The heritability of age-related cortical cataract: the twin eye study. Investigative Ophthalmology and Visual Science, 2001, 42, 601-5. | 3.3 | 116 |
| 47 | Shared genetic factors underlie chronic pain syndromes. Pain, 2014, 155, 1562-1568. | 4.2 | 115 |
| 48 | Genome-wide association analysis of coffee drinking suggests association with CYP1A1/CYP1A2 and NRCAM. Molecular Psychiatry, 2012, 17, 1116-1129. | 7.9 | 112 |
| 49 | Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. Nature Communications, 2015, 6, 8658. | 12.8 | 108 |
| 50 | Meta-analysis of genome-wide association scans accounting for education level identifies additional loci for refractive error. Nature Communications, 2016, 7, 11008. | 12.8 | 104 |
| 51 | Predictors of Discordance between Symptoms and Signs in Dry Eye Disease. Ophthalmology, 2017, 124, 280-286. | 5.2 | 98 |
| 52 | 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. | 4.4 | 94 |
| 53 | Meta-analysis of genome-wide association studies identifies novel loci that influence cupping and the glaucomatous process. Nature Communications, 2014, 5, 4883. | 12.8 | 89 |
| 54 | Increased High-Density Lipoprotein Levels Associated with Age-Related Macular Degeneration. Ophthalmology, 2019, 126, 393-406. | 5.2 | 88 |

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|----|--|------|-----------|
| 55 | Relationship Between Dry Eye Symptoms and Pain Sensitivity. <i>JAMA Ophthalmology</i> , 2013, 131, 1304. | 2.5 | 82 |
| 56 | Childhood gene-environment interactions and age-dependent effects of genetic variants associated with refractive error and myopia: The CREAM Consortium. <i>Scientific Reports</i> , 2016, 6, 25853. | 3.3 | 80 |
| 57 | Heritability of Macular Pigment: A Twin Study. , 2005, 46, 4430. | | 77 |
| 58 | Meta-analysis of Genome-Wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. <i>Genetic Epidemiology</i> , 2015, 39, 207-216. | 1.3 | 72 |
| 59 | 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. | 3.8 | 67 |
| 60 | Genome-Wide Association Studies of Refractive Error and Myopia, Lessons Learned, and Implications for the Future. , 2014, 55, 3344. | | 65 |
| 61 | Comparison of Associations with Different Macular Inner Retinal Thickness Parameters in a Large Cohort. <i>Ophthalmology</i> , 2020, 127, 62-71. | 5.2 | 64 |
| 62 | Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases. <i>Nature Communications</i> , 2018, 9, 1864. | 12.8 | 63 |
| 63 | Association Between Myopia, Ultraviolet B Radiation Exposure, Serum Vitamin D Concentrations, and Genetic Polymorphisms in Vitamin D Metabolic Pathways in a Multicountry European Study. <i>JAMA Ophthalmology</i> , 2017, 135, 47. | 2.5 | 62 |
| 64 | Systemic and Ocular Determinants of Peripapillary Retinal Nerve Fiber Layer Thickness Measurements in the European Eye Epidemiology (E3) Population. <i>Ophthalmology</i> , 2018, 125, 1526-1536. | 5.2 | 62 |
| 65 | What is the appropriate age cutoff for cycloplegia in refraction?. <i>Acta Ophthalmologica</i> , 2014, 92, e458-62. | 1.1 | 61 |
| 66 | How strong is the relationship between glaucoma, the retinal nerve fibre layer, and neurodegenerative diseases such as Alzheimer's disease and multiple sclerosis?. <i>Eye</i> , 2015, 29, 1270-1284. | 2.1 | 56 |
| 67 | Frequency and Distribution of Refractive Error in Adult Life: Methodology and Findings of the UK Biobank Study. <i>PLoS ONE</i> , 2015, 10, e0139780. | 2.5 | 55 |
| 68 | Clinical Characteristics of Dry Eye Patients With Chronic Pain Syndromes. <i>American Journal of Ophthalmology</i> , 2016, 162, 59-65.e2. | 3.3 | 54 |
| 69 | Incidence and Progression of Myopia in Early Adulthood. <i>JAMA Ophthalmology</i> , 2022, 140, 162. | 2.5 | 53 |
| 70 | Adjusted Sequence Kernel Association Test for Rare Variants Controlling for Cryptic and Family Relatedness. <i>Genetic Epidemiology</i> , 2013, 37, 366-376. | 1.3 | 50 |
| 71 | Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1682. | 7.4 | 50 |
| 72 | Genetic variation affects morphological retinal phenotypes extracted from UK Biobank optical coherence tomography images. <i>PLoS Genetics</i> , 2021, 17, e1009497. | 3.5 | 50 |

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|----|---|------|-----------|
| 73 | Audit of the use of IVC filters in the UK: experience from three centres over 12 years. <i>Clinical Radiology</i> , 2009, 64, 502-510. | 1.1 | 49 |
| 74 | Sex differences in clinical characteristics of dry eye disease. <i>Ocular Surface</i> , 2018, 16, 242-248. | 4.4 | 49 |
| 75 | Genetic Dissection of Myopia. <i>Ophthalmology</i> , 2008, 115, 1053-1057.e2. | 5.2 | 48 |
| 76 | Advances in the genomics of common eye diseases. <i>Human Molecular Genetics</i> , 2013, 22, R59-R65. | 2.9 | 46 |
| 77 | Genetic Variants Associated With Corneal Biomechanical Properties and Potentially Conferring Susceptibility to Keratoconus in a Genome-Wide Association Study. <i>JAMA Ophthalmology</i> , 2019, 137, 1005. | 2.5 | 45 |
| 78 | 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. <i>Ocular Surface</i> , 2021, 21, 107-117. | 4.4 | 45 |
| 79 | Haplotype reference consortium panel: Practical implications of imputations with large reference panels. <i>Human Mutation</i> , 2017, 38, 1025-1032. | 2.5 | 43 |
| 80 | Genome-Wide Meta-Analysis of Myopia and Hyperopia Provides Evidence for Replication of 11 Loci. <i>PLoS ONE</i> , 2014, 9, e107110. | 2.5 | 40 |
| 81 | Genome-wide association study of primary open-angle glaucoma in continental and admixed African populations. <i>Human Genetics</i> , 2018, 137, 847-862. | 3.8 | 40 |
| 82 | 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)â€”study protocol. <i>British Journal of Ophthalmology</i> , 2020, 104, 950-955. | 3.9 | 39 |
| 83 | Quantitative Genetic Analysis of the Retinal Vascular Caliber. <i>Hypertension</i> , 2009, 54, 788-795. | 2.7 | 38 |
| 84 | Comparison of three methods of intraocular pressure measurement and their relation to central corneal thickness. <i>Eye</i> , 2010, 24, 1165-1170. | 2.1 | 38 |
| 85 | A Metabolome-Wide Study of Dry Eye Disease Reveals Serum Androgens as Biomarkers. <i>Ophthalmology</i> , 2017, 124, 505-511. | 5.2 | 38 |
| 86 | The relationship between dry eye and sleep quality. <i>Ocular Surface</i> , 2021, 20, 13-19. | 4.4 | 38 |
| 87 | The Heritability of Dry Eye Disease in a Female Twin Cohort. , 2014, 55, 7278. | | 37 |
| 88 | The Roles of <i>PAX6</i> and <i>SOX2</i> in Myopia: Lessons from the 1958 British Birth Cohort. , 2007, 48, 4421. | | 37 |
| 89 | Twins Eye Study in Tasmania (TEST): Rationale and Methodology to Recruit and Examine Twins. <i>Twin Research and Human Genetics</i> , 2009, 12, 441-454. | 0.6 | 36 |
| 90 | Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. <i>Science Advances</i> , 2021, 7, . | 10.3 | 36 |

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|-----|---|-----|-----------|
| 91 | A multi-ethnic genome-wide association study implicates collagen matrix integrity and cell differentiation pathways in keratoconus. <i>Communications Biology</i> , 2021, 4, 266. | 4.4 | 36 |
| 92 | IMI 2021 Yearly Digest. , 2021, 62, 7. | | 36 |
| 93 | Heritability of intraocular pressure: a classical twin study. <i>British Journal of Ophthalmology</i> , 2008, 92, 1125-1128. | 3.9 | 34 |
| 94 | Effects of age on genetic influence on bone loss over 17 years in women: The Healthy Ageing Twin Study (HATS). <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2170-2178. | 2.8 | 34 |
| 95 | Genetic Variants near <i>PDGFRA</i> Are Associated with Corneal Curvature in Australians. , 2012, 53, 7131. | | 34 |
| 96 | Time spent outdoors in childhood is associated with reduced risk of myopia as an adult. <i>Scientific Reports</i> , 2021, 11, 6337. | 3.3 | 34 |
| 97 | Age of myopia onset in a British population-based twin cohort. <i>Ophthalmic and Physiological Optics</i> , 2013, 33, 339-345. | 2.0 | 33 |
| 98 | The Heritability of Macular Response to Supplemental Lutein and Zeaxanthin: A Classic Twin Study. , 2012, 53, 4963. | | 32 |
| 99 | Ophthalmic epidemiology in Europe: the "European Eye Epidemiology" (E3) consortium. <i>European Journal of Epidemiology</i> , 2016, 31, 197-210. | 5.7 | 32 |
| 100 | Factors affecting pupil size after dilatation: the Twin Eye Study. <i>British Journal of Ophthalmology</i> , 2000, 84, 1173-1176. | 3.9 | 31 |
| 101 | Identification of a Candidate Gene for Astigmatism. , 2013, 54, 1260. | | 31 |
| 102 | Genetic and Dietary Factors Influencing the Progression of Nuclear Cataract. <i>Ophthalmology</i> , 2016, 123, 1237-1244. | 5.2 | 31 |
| 103 | Ascorbic acid metabolites are involved in intraocular pressure control in the general population. <i>Redox Biology</i> , 2019, 20, 349-353. | 9.0 | 31 |
| 104 | Optic Disc Planimetry, Corneal Hysteresis, Central Corneal Thickness, and Intraocular Pressure as Risk Factors for Glaucoma. <i>American Journal of Ophthalmology</i> , 2014, 157, 441-446. | 3.3 | 30 |
| 105 | Risk factors for myopia in a discordant monozygotic twin study. <i>Ophthalmic and Physiological Optics</i> , 2015, 35, 643-651. | 2.0 | 30 |
| 106 | Repeated Measures of Intraocular Pressure Result in Higher Heritability and Greater Power in Genetic Linkage Studies. , 2009, 50, 5115. | | 29 |
| 107 | Genome-wide association study of intraocular pressure identifies the <i>GLCC1/ICA1</i> region as a glaucoma susceptibility locus. <i>Human Molecular Genetics</i> , 2013, 22, 4653-4660. | 2.9 | 29 |
| 108 | Executive and Attention Functioning Among Children in the PANDAS Subgroup. <i>Child Neuropsychology</i> , 2009, 15, 179-194. | 1.3 | 28 |

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|-----|--|-----|-----------|
| 109 | Candidate gene study of macular response to supplemental lutein and zeaxanthin. <i>Experimental Eye Research</i> , 2013, 115, 172-177. | 2.6 | 27 |
| 110 | Investigation of Genetic Variation in Scavenger Receptor Class B, Member 1 (SCARB1) and Association with Serum Carotenoids. <i>Ophthalmology</i> , 2013, 120, 1632-1640. | 5.2 | 27 |
| 111 | Association of CHRDL1 Mutations and Variants with X-linked Megalocornea, Neuhäuser Syndrome and Central Corneal Thickness. <i>PLoS ONE</i> , 2014, 9, e104163. | 2.5 | 27 |
| 112 | Characteristics of p.Gln368Ter Myocilin Variant and Influence of Polygenic Risk on Glaucoma Penetrance in the UK Biobank. <i>Ophthalmology</i> , 2021, 128, 1300-1311. | 5.2 | 27 |
| 113 | Association Mapping of the High-Grade Myopia <i>MYP3</i> Locus Reveals Novel Candidates <i>UHRF1BP1</i> , <i>PTPRR</i> , and <i>PPFIA2</i> . , 2013, 54, 2076. | | 26 |
| 114 | Associations with intraocular pressure across Europe: The European Eye Epidemiology (E3) Consortium. <i>European Journal of Epidemiology</i> , 2016, 31, 1101-1111. | 5.7 | 26 |
| 115 | Genome-wide association study of corneal biomechanical properties identifies over 200 loci providing insight into the genetic etiology of ocular diseases. <i>Human Molecular Genetics</i> , 2020, 29, 3154-3164. | 2.9 | 26 |
| 116 | Association of FTO gene variants with body composition in UK twins. <i>Annals of Human Genetics</i> , 2012, 76, 333-341. | 0.8 | 25 |
| 117 | Effect of varying skin surface electrode position on electroretinogram responses recorded using a handheld stimulating and recording system. <i>Documenta Ophthalmologica</i> , 2018, 137, 79-86. | 2.2 | 25 |
| 118 | Genome-Wide Association Study Identifies Two Novel Regions at 11p15.5-p13 and 1p31 with Major Impact on Acute-Phase Serum Amyloid A. <i>PLoS Genetics</i> , 2010, 6, e1001213. | 3.5 | 24 |
| 119 | Heritability of Strabismus: Genetic Influence Is Specific to Eso-Deviation and Independent of Refractive Error. <i>Twin Research and Human Genetics</i> , 2012, 15, 624-630. | 0.6 | 24 |
| 120 | Genome-wide association study for refractive astigmatism reveals genetic co-determination with spherical equivalent refractive error: the CREAM consortium. <i>Human Genetics</i> , 2015, 134, 131-146. | 3.8 | 24 |
| 121 | The Relationship between Retinal Arteriolar and Venular Calibers Is Genetically Mediated, and Each Is Associated with Risk of Cardiovascular Disease. , 2011, 52, 975. | | 23 |
| 122 | Common Mechanisms Underlying Refractive Error Identified in Functional Analysis of Gene Lists From Genome-Wide Association Study Results in 2 European British Cohorts. <i>JAMA Ophthalmology</i> , 2014, 132, 50. | 2.5 | 23 |
| 123 | Evaluation of the Myocilin Mutation Gln368Stop Demonstrates Reduced Penetrance for Glaucoma in European Populations. <i>Ophthalmology</i> , 2017, 124, 547-553. | 5.2 | 23 |
| 124 | Early life factors for myopia in the British Twins Early Development Study. <i>British Journal of Ophthalmology</i> , 2019, 103, 1078-1084. | 3.9 | 23 |
| 125 | The vision-related burden of dry eye. <i>Ocular Surface</i> , 2022, 23, 207-215. | 4.4 | 23 |
| 126 | Do twins share the same dress code? Quantifying relative genetic and environmental contributions to subjective perceptions of "the dress" in a classical twin study. <i>Journal of Vision</i> , 2017, 17, 29. | 0.3 | 22 |

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|-----|--|-----|-----------|
| 127 | Multi-trait genome-wide association study identifies new loci associated with optic disc parameters. <i>Communications Biology</i> , 2019, 2, 435. | 4.4 | 22 |
| 128 | Genome-wide association meta-analysis of corneal curvature identifies novel loci and shared genetic influences across axial length and refractive error. <i>Communications Biology</i> , 2020, 3, 133. | 4.4 | 22 |
| 129 | The First 'Classical' Twin Study? Analysis of Refractive Error Using Monozygotic and Dizygotic Twins Published in 1922. <i>Twin Research and Human Genetics</i> , 2005, 8, 198-200. | 0.6 | 22 |
| 130 | Phenotypic and genotypic correlation between myopia and intelligence. <i>Scientific Reports</i> , 2017, 7, 45977. | 3.3 | 20 |
| 131 | Genetic and Environmental Factors Associated With the Ganglion Cell Complex in a Healthy Aging British Cohort. <i>JAMA Ophthalmology</i> , 2017, 135, 31. | 2.5 | 19 |
| 132 | Western Australia Atropine for the Treatment of Myopia (WA-ATOM) study: Rationale, methodology and participant baseline characteristics. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 569-579. | 2.6 | 18 |
| 133 | The First 'Classical' Twin Study? Analysis of Refractive Error Using Monozygotic and Dizygotic Twins Published in 1922. <i>Twin Research and Human Genetics</i> , 2005, 8, 198-200. | 0.6 | 16 |
| 134 | Ophthalmic Phenotypes and the Representativeness of Twin Data for the General Population. , 2011, 52, 5565. | | 16 |
| 135 | Changes in quality of life shortly after routine cataract surgery. <i>Canadian Journal of Ophthalmology</i> , 2016, 51, 282-287. | 0.7 | 15 |
| 136 | Genetic Heritability of Pigmentary Glaucoma and Associations With Other Eye Phenotypes. <i>JAMA Ophthalmology</i> , 2020, 138, 294. | 2.5 | 15 |
| 137 | Clarifying the role of <i>ATOH7</i> in glaucoma endophenotypes. <i>British Journal of Ophthalmology</i> , 2014, 98, 562-566. | 3.9 | 14 |
| 138 | The relationship between alcohol consumption and dry eye. <i>Ocular Surface</i> , 2021, 21, 87-95. | 4.4 | 13 |
| 139 | Copy Number Variation at Chromosome 5q21.2 Is Associated With Intraocular Pressure. , 2013, 54, 3607. | | 12 |
| 140 | High Heritability of Posterior Corneal Tomography, as Measured by Scheimpflug Imaging, in a Twin Study. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8359-8364. | 3.3 | 12 |
| 141 | Outcomes of ptosis surgery assessed using a patient-reported outcome measure: an exploration of time effects. <i>British Journal of Ophthalmology</i> , 2014, 98, 387-390. | 3.9 | 12 |
| 142 | Relative Genetic and Environmental Contributions to Variations in Human Retinal Electrical Responses Quantified in a Twin Study. <i>Ophthalmology</i> , 2017, 124, 1175-1185. | 5.2 | 12 |
| 143 | Definitive Zygosity Scores in the Peas in the Pod Questionnaire is a Sensitive and Accurate Assessment of the Zygosity of Adult Twins. <i>Twin Research and Human Genetics</i> , 2018, 21, 146-154. | 0.6 | 12 |
| 144 | Genetic variants linked to myopic macular degeneration in persons with high myopia: CREAM Consortium. <i>PLoS ONE</i> , 2019, 14, e0220143. | 2.5 | 12 |

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|-----|--|-----|-----------|
| 145 | Genetic Correlations Between Diabetes and Glaucoma: An Analysis of Continuous and Dichotomous Phenotypes. <i>American Journal of Ophthalmology</i> , 2019, 206, 245-255. | 3.3 | 12 |
| 146 | Modelling the initial phase of the human rod photoreceptor response to the onset of steady illumination. <i>Documenta Ophthalmologica</i> , 2012, 124, 125-131. | 2.2 | 11 |
| 147 | The Heritability of the Ring-Like Distribution of Macular Pigment Assessed in a Twin Study. , 2014, 55, 2214. | | 11 |
| 148 | The correlation between cognitive performance and retinal nerve fibre layer thickness is largely explained by genetic factors. <i>Scientific Reports</i> , 2016, 6, 34116. | 3.3 | 11 |
| 149 | Genetic African Ancestry Is Associated With Central Corneal Thickness and Intraocular Pressure in Primary Open-Angle Glaucoma. , 2017, 58, 3172. | | 11 |
| 150 | A twin study of cilioretinal arteries, tilted discs and situs inversus. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 333-340. | 1.9 | 11 |
| 151 | Family-Based Genome-Wide Association Study of South Indian Pedigrees Supports <i>WNT7B</i> as a Central Corneal Thickness Locus. , 2018, 59, 2495. | | 11 |
| 152 | Medication use and dry eye symptoms: A large, hypothesis-free, population-based study in the Netherlands. <i>Ocular Surface</i> , 2021, 22, 1-12. | 4.4 | 11 |
| 153 | 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?. <i>Optometry and Vision Science</i> . 2011, 88, 404-447. | 1.2 | 10 |
| 154 | Interocular Asymmetries in Axial Length and Refractive Error in 4 Cohorts. <i>Ophthalmology</i> , 2015, 122, 648-649. | 5.2 | 10 |
| 155 | Common variants in <i>SOX-2</i> and congenital cataract genes contribute to age-related nuclear cataract. <i>Communications Biology</i> , 2020, 3, 755. | 4.4 | 10 |
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