# Caroline C W Klaver

List of Publications by Year
in descending order



| 193 | 22,073 | 14655 66 | 10445 139 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 200 | 200 | 200 | 19089 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Causes and Prevalence of Visual Impairment Among Adults in the UnitedStates. JAMA Ophthalmology, 2004, 122, 477. | 2.4 | 2,296 |
| 2 | An international classification and grading system for age-related maculopathy and age-related macular degeneration. Survey of Ophthalmology, 1995, 39, 367-374. | 4.0 | 1,735 |
| 3 | A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. Nature Genetics, 2016, 48, 134-143. | 21.4 | 1,167 |
| 4 | Age-Specific Prevalence and Causes of Blindness and Visual Impairment in an Older Population. JAMA Ophthalmology, 1998, 116, 653. | 2.4 | 821 |
| 5 | Seven new loci associated with age-related macular degeneration. Nature Genetics, 2013, 45, 433-439. | 21.4 | 687 |
| 6 | The Generation R Study: design and cohort update 2017. European Journal of Epidemiology, 2016, 31, 1243-1264. | 5.7 | 608 |
| 7 | Non-syndromic retinitis pigmentosa. Progress in Retinal and Eye Research, 2018, 66, 157-186. | 15.5 | 565 |
| 8 | Genome-wide meta-analyses of multiancestry cohorts identify multiple new susceptibility loci for refractive error and myopia. Nature Genetics, 2013, 45, 314-318. | 21.4 | 398 |
| 9 | The Rotterdam Study: 2018 update on objectives, design and main results. European Journal of Epidemiology, 2017, 32, 807-850. | 5.7 | 379 |
| 10 | The Rotterdam Study: 2016 objectives and design update. European Journal of Epidemiology, 2015, 30, 661-708. | 5.7 | 358 |
| 11 | Age-related macular degeneration. Nature Reviews Disease Primers, 2021, 7, 31. | 30.5 | 340 |
| 12 | Prevalence of Age-Related Macular Degeneration in Europe. Ophthalmology, 2017, 124, 1753-1763. | 5.2 | 337 |
| 13 | Increasing Prevalence of Myopia in Europe and the Impact of Education. Ophthalmology, 2015, 122, 1489-1497. | 5.2 | 329 |
| 14 | Objectives, design and main findings until 2020 from the Rotterdam Study. European Journal of Epidemiology, 2020, 35, 483-517. | 5.7 | 314 |
| 15 | The Risk and Natural Course of Age-Related Maculopathy. JAMA Ophthalmology, 2003, 121, 519. | 2.4 | 313 |
| 16 | Dietary Intake of Antioxidants and Risk of Age-Related Macular Degeneration. JAMA - Journal of the American Medical Association, 2005, 294, 3101. | 7.4 | 308 |
| 17 | Complement Factor H Polymorphism, Complement Activators, and Risk of Age-Related Macular Degeneration. JAMA - Journal of the American Medical Association, 2006, 296, 301. | 7.4 | 306 |
| 18 | Prevalence of refractive error in Europe: the European Eye Epidemiology (E3) Consortium. European Journal of Epidemiology, 2015, 30, 305-315. | 5.7 | 306 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Rotterdam Study: 2014 objectives and design update. European Journal of Epidemiology, 2013, 28, 889-926. | 5.7 | 282 |
| 20 | The Rotterdam Study: 2012 objectives and design update. European Journal of Epidemiology, 2011, 26, 657-686. | 5.7 | 273 |
| 21 | Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. Nature Genetics, 2013, 45, 155-163. | 21.4 | 269 |
| 22 | The Complications of Myopia: A Review and Meta-Analysis. , 2020, 61, 49. | | 263 |
| 23 | Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. Nature Genetics, 2018, 50, 834-848. | 21.4 | 239 |
| 24 | Three Genome-wide Association Studies and a Linkage Analysis Identify HERC2 as a Human Iris Color Gene. American Journal of Human Genetics, 2008, 82, 411-423. | 6.2 | 220 |
| 25 | Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma. Nature Genetics, 2014, 46, 1126-1130. | 21.4 | 212 |
| 26 | Association of Axial Length With Risk of Uncorrectable Visual Impairment for Europeans With Myopia. JAMA Ophthalmology, 2016, 134, 1355. | 2.5 | 211 |
| 27 | A genome-wide association study for myopia and refractive error identifies a susceptibility locus at 15q25. Nature Genetics, 2010, 42, 902-905. | 21.4 | 204 |
| 28 | A genome-wide association study identifies a susceptibility locus for refractive errors and myopia at 15q14. Nature Genetics, 2010, 42, 897-901. | 21.4 | 200 |
| 29 | Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. Nature Communications, 2021, 12, 1258. | 12.8 | 196 |
| 30 | Multitrait analysis of glaucoma identifies new risk loci and enables polygenic prediction of disease susceptibility and progression. Nature Genetics, 2020, 52, 160-166. | 21.4 | 192 |
| 31 | The Generation R Study: Biobank update 2015. European Journal of Epidemiology, 2014, 29, 911-927. | 5.7 | 189 |
| 32 | 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. | 21.4 | 180 |
| 33 | Reducing the Genetic Risk of Age-Related Macular Degeneration With Dietary Antioxidants, Zinc, and Ï‰-3 Fatty Acids. JAMA Ophthalmology, 2011, 129, 758. | 2.4 | 177 |
| 34 | Epidemiology of age-related maculopathy: a review. European Journal of Epidemiology, 2003, 18, 845-854. | 5.7 | 174 |
| 35 | A new perspective on lipid research in age-related macular degeneration. Progress in Retinal and Eye Research, 2018, 67, 56-86. | 15.5 | 162 |
| 36 | Association of Retinal Neurodegeneration on Optical Coherence Tomography With Dementia. JAMA Neurology, 2018, 75, 1256. | 9.0 | 160 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Axial length growth and the risk of developing myopia in European children. Acta Ophthalmologica, 2018, 96, 301-309. | 1.1 | 159 |
| 38 | IMI â€“ Myopia Genetics Report. , 2019, 60, M89. | | 156 |
| 39 | Common genetic variants associated with open-angle glaucoma. Human Molecular Genetics, 2011, 20, 2464-2471. | 2.9 | 152 |
| 40 | Deep-intronic ABCA4 variants explain missing heritability in Stargardt disease and allow correction of splice defects by antisense oligonucleotides. Genetics in Medicine, 2019, 21, 1751-1760. | 2.4 | 147 |
| 41 | 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, 264-277. | 6.2 | 139 |
| 42 | Risk Alleles in CFH and ARMS2 Are Independently Associated with Systemic Complement Activation in Age-related Macular Degeneration. Ophthalmology, 2012, 119, 339-346. | 5.2 | 127 |
| 43 | Causes and consequences of inherited cone disorders. Progress in Retinal and Eye Research, 2014, 42, 1-26. | 15.5 | 127 |
| 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 | Visual Consequences of Refractive Errors in the General Population. Ophthalmology, 2015, 122, 101-109. | 5.2 | 119 |
| 46 | Clinical Course, Genetic Etiology, and Visual Outcome in Cone and Coneâ€“Rod Dystrophy. Ophthalmology, 2012, 119, 819-826. | 5.2 | 115 |
| 47 | Genetic Etiology and Clinical Consequences of Complete and Incomplete Achromatopsia. Ophthalmology, 2009, 116, 1984-1989.e1. | 5.2 | 112 |
| 48 | Selecting likely causal risk factors from high-throughput experiments using multivariable Mendelian randomization. Nature Communications, 2020, 11, 29. | 12.8 | 112 |
| 49 | IMI â€“ Myopia Control Reports Overview and Introduction. , 2019, 60, M1. | | 106 |
| 50 | Meta-analysis of geneâ€“environment-wide association scans accounting for education level identifies additional loci for refractive error. Nature Communications, 2016, 7, 11008. | 12.8 | 104 |
| 51 | Diagnostic exome sequencing in 266 Dutch patients with visual impairment. European Journal of Human Genetics, 2017, 25, 591-599. | 2.8 | 104 |
| 52 | Cholesterol and age-related macular degeneration: is there a link?. American Journal of Ophthalmology, 2004, 137, 750-752. | 3.3 | 102 |
| 53 | Education influences the role of genetics in myopia. European Journal of Epidemiology, 2013, 28, 973-980. | 5.7 | 102 |
| 54 | Systemic and ocular fluid compounds as potential biomarkers in age-related macular degeneration. Survey of Ophthalmology, 2018, 63, 9-39. | 4.0 | 98 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Defining a Minimum Set of Standardized Patient-centered Outcome Measures for Macular Degeneration. American Journal of Ophthalmology, 2016, 168, 1-12. | 3.3 | 92 |
| 56 | Resolving the dark matter of ABCA4 for 1054 Stargardt disease probands through integrated genomics and transcriptomics. Genetics in Medicine, 2020, 22, 1235-1246. | 2.4 | 92 |
| 57 | 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 |
| 58 | Increased High-Density Lipoprotein Levels Associated with Age-Related Macular Degeneration. Ophthalmology, 2019, 126, 393-406. | 5.2 | 88 |
| 59 | Prediction of Age-related Macular Degeneration in the General Population. Ophthalmology, 2013, 120, 2644-2655. | 5.2 | 84 |
| 60 | Harmonizing the Classification of Age-related Macular Degeneration in the Three-Continent AMD Consortium. Ophthalmic Epidemiology, 2014, 21, 14-23. | 1.7 | 83 |
| 61 | Lipids, Lipid Genes, and Incident Age-Related Macular Degeneration: The Three Continent Age-Related Macular Degeneration Consortium. American Journal of Ophthalmology, 2014, 158, 513-524.e3. | 3.3 | 81 |
| 62 | 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. | 3.3 | 80 |
| 63 | ARHGEF12 influences the risk of glaucoma by increasing intraocular pressure. Human Molecular Genetics, 2015, 24, 2689-2699. | 2.9 | 79 |
| 64 | The impact of computer use on myopia development in childhood: The Generation R study. Preventive Medicine, 2020, 132, 105988. | 3.4 | 79 |
| 65 | Low serum vitamin D is associated with axial length and risk of myopia in young children. European Journal of Epidemiology, 2016, 31, 491-499. | 5.7 | 78 |
| 66 | Diagnostic Accuracy of a Device for the Automated Detection of Diabetic Retinopathy in a Primary Care Setting. Diabetes Care, 2019, 42, 651-656. | 8.6 | 77 |
| 67 | Visual Prognosis in USH2A-Associated Retinitis Pigmentosa Is Worse for Patients with Usher Syndrome Type IIa Than for Those with Nonsyndromic Retinitis Pigmentosa. Ophthalmology, 2016, 123, 1151-1160. | 5.2 | 76 |
| 68 | Genotypic and Phenotypic Characteristics of CRB1 -Associated Retinal Dystrophies. Ophthalmology, 2017, 124, 884-895. | 5.2 | 75 |
| 69 | Validity of Automated Choroidal Segmentation in SS-OCT and SD-OCT. , 2015, 56, 3202. | | 74 |
| 70 | Reduced secretion of fibulin 5 in age-related macular degeneration and cutis laxa. Human Mutation, 2006, 27, 568-574. | 2.5 | 73 |
| 71 | Environmental factors explain socioeconomic prevalence differences in myopia in 6-year-old children. British Journal of Ophthalmology, 2018, 102, 243-247. | 3.9 | 73 |
| 72 | Metaâ€analysis of Genomeâ€Wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. Genetic Epidemiology, 2015, 39, 207-216. | 1.3 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Heterozygous Deep-Intronic Variants and Deletions inABCA4in Persons with Retinal Dystrophies and One ExonicABCA4Variant. Human Mutation, 2015, 36, 43-47. | 2.5 | 68 |
| 74 | Large scale international replication and meta-analysis study confirms association of the 15q14 locus with myopia. The CREAM consortium. Human Genetics, 2012, 131, 1467-1480. | 3.8 | 67 |
| 75 | The CommonABCA4Variant p.Asn1868Ile Shows Nonpenetrance and Variable Expression of Stargardt Disease When Present intransWith Severe Variants. , 2018, 59, 3220. | | 67 |
| 76 | Intrinsic and Extrinsic Risk Factors for Sagging Eyelids. JAMA Dermatology, 2014, 150, 836. | 4.1 | 64 |
| 77 | Environmental Risk Factors Can Reduce Axial Length Elongation and Myopia Incidence in 6- to 9-Year-Old Children. Ophthalmology, 2019, 126, 127-136. | 5.2 | 64 |
| 78 | Exome sequencing and functional analyses suggest that SIX6 is a gene involved in an altered proliferationâ€“differentiation balance early in life and optic nerve degeneration at old age. Human Molecular Genetics, 2014, 23, 1320-1332. | 2.9 | 63 |
| 79 | Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases. Nature Communications, 2018, 9, 1864. | 12.8 | 63 |
| 80 | Development of Refractive Errorsâ€”What Can We Learn From Inherited Retinal Dystrophies?. American Journal of Ophthalmology, 2017, 182, 81-89. | 3.3 | 61 |
| 81 | Meta-analysis of genome-wide association studies in five cohorts reveals common variants in RBFOX1, a regulator of tissue-specific splicing, associated with refractive error. Human Molecular Genetics, 2013, 22, 2754-2764. | 2.9 | 60 |
| 82 | WNT10A exonic variant increases the risk of keratoconus by decreasing corneal thickness. Human Molecular Genetics, 2015, 24, 5060-5068. | 2.9 | 58 |
| 83 | Population-based meta-analysis in Caucasians confirms association with COL5A1 and ZNF469 but not COL8A2 with central corneal thickness. Human Genetics, 2012, 131, 1783-1793. | 3.8 | 56 |
| 84 | CLINICAL AND GENETIC CHARACTERISTICS OF MALE PATIENTS WITH RPGR-ASSOCIATED RETINAL DYSTROPHIES. Retina, 2019, 39, 1186-1199. | 1.7 | 56 |
| 85 | Thyroid function and age-related macular degeneration: a prospective population-based cohort study - the Rotterdam Study. BMC Medicine, 2015, 13, 94. | 5.5 | 53 |
| 86 | Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. JAMA - Journal of the American Medical Association, 2019, 322, 1682. | 7.4 | 50 |
| 87 | Genetic variation affects morphological retinal phenotypes extracted from UK Biobank optical coherence tomography images. PLoS Genetics, 2021, 17, e1009497. | 3.5 | 50 |
| 88 | Interaction between lifestyle and genetic susceptibility in myopia: the Generation R study. European Journal of Epidemiology, 2019, 34, 777-784. | 5.7 | 49 |
| 89 | Intake of Vegetables, Fruit, and Fish is Beneficial for Age-Related Macular Degeneration. American Journal of Ophthalmology, 2019, 198, 70-79. | 3.3 | 47 |
| 90 | Genetic Risk, Lifestyle, and Age-Related Macular Degeneration in Europe. Ophthalmology, 2021, 128, 1039-1049. | 5.2 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Haplotype reference consortium panel: Practical implications of imputations with large reference panels. Human Mutation, 2017, 38, 1025-1032. | 2.5 | 43 |
| 92 | Integrating Metabolomics, Genomics, and Disease Pathways in Age-Related Macular Degeneration. Ophthalmology, 2020, 127, 1693-1709. | 5.2 | 43 |
| 93 | The Spectrum of Structural and Functional Abnormalities in Female Carriers of Pathogenic Variants in theRPGRGene. , 2018, 59, 4123. | | 41 |
| 94 | A Deep Learning Model for Segmentation of Geographic Atrophy to Study Its Long-Term Natural History. Ophthalmology, 2020, 127, 1086-1096. | 5.2 | 41 |
| 95 | Genome-Wide Meta-Analysis of Myopia and Hyperopia Provides Evidence for Replication of 11 Loci. PLoS ONE, 2014, 9, e107110. | 2.5 | 40 |
| 96 | Genome-wide association study of primary open-angle glaucoma in continental and admixed African populations. Human Genetics, 2018, 137, 847-862. | 3.8 | 40 |
| 97 | Five-year progression of unilateral age-related macular degeneration to bilateral involvement: the Three Continent AMD Consortium report. British Journal of Ophthalmology, 2017, 101, 1185-1192. | 3.9 | 38 |
| 98 | Development of a Genotype Assay for Age-Related Macular Degeneration. Ophthalmology, 2021, 128, 1604-1617. | 5.2 | 38 |
| 99 | Clinical course of cone dystrophy caused by mutations in the RPGR gene. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 1527-1535. | 1.9 | 36 |
| 100 | Epidemiology of Reticular Pseudodrusen in Age-Related Macular Degeneration: The Rotterdam Study. , 2016, 57, 5593. | | 36 |
| 101 | Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. Science Advances, 2021, 7, . | 10.3 | 36 |
| 102 | A multi-ethnic genome-wide association study implicates collagen matrix integrity and cell differentiation pathways in keratoconus. Communications Biology, 2021, 4, 266. | 4.4 | 36 |
| 103 | IMI 2021 Yearly Digest. , 2021, 62, 7. | | 36 |
| 104 | When do myopia genes have their effect? Comparison of genetic risks between children and adults. Genetic Epidemiology, 2016, 40, 756-766. | 1.3 | 34 |
| 105 | The European Eye Epidemiology spectralâ€domain optical coherence tomography classification of macular diseases for epidemiological studies. Acta Ophthalmologica, 2019, 97, 364-371. | 1.1 | 34 |
| 106 | Predicting Progression to Advanced Age-Related Macular Degeneration from Clinical, Genetic, and Lifestyle Factors UsingÂMachine Learning. Ophthalmology, 2021, 128, 587-597. | 5.2 | 34 |
| 107 | Analysis of Rare Variants in the C3 Gene in Patients with Age-Related Macular Degeneration. PLoS ONE, 2014, 9, e94165. | 2.5 | 34 |
| 108 | Population-Based Evaluation of Retinal Nerve Fiber Layer, Retinal Ganglion Cell Layer, and Inner Plexiform Layer as a Diagnostic Tool For Glaucoma. Investigative Ophthalmology and Visual Science, 2014, 55, 8428-8438. | 3.3 | 33 |

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|---|---|---|---|
| 109 | Automatic Identification of Reticular Pseudodrusen Using Multimodal Retinal Image Analysis. Investigative Ophthalmology and Visual Science, 2015, 56, 633-639. | 3.3 | 32 |
| 110 | Ophthalmic epidemiology in Europe: the â€œEuropean Eye Epidemiologyâ€•(E3) consortium. European Journal of Epidemiology, 2016, 31, 197-210. | 5.7 | 32 |
| 111 | Identification of a Candidate Gene for Astigmatism. , 2013, 54, 1260. | | 31 |
| 112 | Association of Sex With Frequent and Mild ABCA4 Alleles in Stargardt Disease. JAMA Ophthalmology, 2020, 138, 1035. | 2.5 | 31 |
| 113 | Genetic variants in microRNAs and their binding sites within gene 3â€²UTRs associate with susceptibility to age-related macular degeneration. Human Mutation, 2017, 38, 827-838. | 2.5 | 30 |
| 114 | Association of Rhegmatogenous Retinal Detachment Incidence With Myopia Prevalence in the Netherlands. JAMA Ophthalmology, 2021, 139, 85. | 2.5 | 30 |
| 115 | The Effect of Light Deprivation in Patients WithÂStargardt Disease. American Journal of Ophthalmology, 2015, 159, 964-972.e2. | 3.3 | 29 |
| 116 | Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration. JAMA Ophthalmology, 2021, 139, 1299. | 2.5 | 29 |
| 117 | A 3-year follow-up study of atropine treatment for progressive myopia in Europeans. Eye, 2020, 34, 2020-2028. | 2.1 | 28 |
| 118 | Myopia management in the Netherlands. Ophthalmic and Physiological Optics, 2020, 40, 230-240. | 2.0 | 28 |
| 119 | Myopia progression from wearing first glasses to adult age: the DREAM Study. British Journal of Ophthalmology, 2022, 106, 820-824. | 3.9 | 28 |
| 120 | The RD5000 Database: Facilitating Clinical, Genetic, and Therapeutic Studies on Inherited Retinal Diseases. , 2014, 55, 7355. | | 27 |
| 121 | Association of Smoking andCFHandARMS2Risk Variants With Younger Age at Onset of Neovascular Age-Related Macular Degeneration. JAMA Ophthalmology, 2015, 133, 533. | 2.5 | 27 |
| 122 | Mutations in the polyglutamylase geneTTLL5, expressed in photoreceptor cells and spermatozoa, are associated with cone-rod degeneration and reduced male fertility. Human Molecular Genetics, 2016, 25, ddw282. | 2.9 | 27 |
| 123 | Design of a frailty index among community living middle-aged and older people: The Rotterdam study. Maturitas, 2017, 97, 14-20. | 2.4 | 27 |
| 124 | Characteristics of p.Gln368Ter Myocilin Variant and Influence of Polygenic Risk on Glaucoma Penetrance in the UK Biobank. Ophthalmology, 2021, 128, 1300-1311. | 5.2 | 27 |
| 125 | Whole genome sequencing and in vitro splice assays reveal genetic causes for inherited retinal diseases. Npj Genomic Medicine, 2021, 6, 97. | 3.8 | 27 |
| 126 | Associations with intraocular pressure across Europe: The European Eye Epidemiology (E3) Consortium. European Journal of Epidemiology, 2016, 31, 1101-1111. | 5.7 | 26 |

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|---|---|---|---|
| 127 | Genotype- and Phenotype-Based Subgroups in Geographic Atrophy Secondary to Age-Related Macular Degeneration. Ophthalmology Retina, 2020, 4, 1129-1137. | 2.4 | 26 |
| 128 | Simultaneous Mutation Detection in 90 Retinal Disease Genes in Multiple Patients Using a Custom-designed 300-kb Retinal Resequencing Chip. Ophthalmology, 2011, 118, 160-167.e3. | 5.2 | 25 |
| 129 | A Genome-Wide Scan for MicroRNA-Related Genetic Variants Associated With Primary Open-Angle Glaucoma. , 2017, 58, 5368. | | 25 |
| 130 | Thinner retinal layers are associated with changes in the visual pathway: A populationâ€based study. Human Brain Mapping, 2018, 39, 4290-4301. | 3.6 | 25 |
| 131 | Genome-wide association study for refractive astigmatism reveals genetic co-determination with spherical equivalent refractive error: the CREAM consortium. Human Genetics, 2015, 134, 131-146. | 3.8 | 24 |
| 132 | Risk factors for development and progression of diabetic retinopathy in Dutch patients with type 1 diabetes mellitus. Acta Ophthalmologica, 2018, 96, 459-464. | 1.1 | 23 |
| 133 | Macular Dystrophy and Cone-Rod Dystrophy Caused by Mutations in theRP1Gene: Extending theRP1Disease Spectrum. , 2019, 60, 1192. | | 23 |
| 134 | Multi-trait genome-wide association study identifies new loci associated with optic disc parameters. Communications Biology, 2019, 2, 435. | 4.4 | 22 |
| 135 | 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. | 4.4 | 22 |
| 136 | Smoking Is Also Associated With Age-Related Macular Degeneration in Persons Aged 85 Years and Older: The Rotterdam Study. JAMA Ophthalmology, 1997, 115, 945. | 2.4 | 21 |
| 137 | Clinical Characterization of 66 Patients With Congenital Retinal Disease Due to the Deep-Intronic c.2991+1655A>G Mutation inCEP290. , 2018, 59, 4384. | | 21 |
| 138 | GenNet framework: interpretable deep learning for predicting phenotypes from genetic data. Communications Biology, 2021, 4, 1094. | 4.4 | 20 |
| 139 | Growth in foetal life, infancy, and early childhood and the association with ocular biometry. Ophthalmic and Physiological Optics, 2019, 39, 245-252. | 2.0 | 19 |
| 140 | Performance of Classification Systems for Age-Related Macular Degeneration in the Rotterdam Study. Translational Vision Science and Technology, 2020, 9, 26. | 2.2 | 19 |
| 141 | Loss of Gap Junction Delta-2 (GJD2) gene orthologs leads to refractive error in zebrafish. Communications Biology, 2021, 4, 676. | 4.4 | 19 |
| 142 | Smartphone Use Associated with Refractive Error in Teenagers. Ophthalmology, 2021, 128, 1681-1688. | 5.2 | 19 |
| 143 | The Phenotypic Course of Age-Related Macular Degeneration for ARMS2/HTRA1. Ophthalmology, 2022, 129, 752-764. | 5.2 | 19 |
| 144 | Accuracy of Four Commonly Used Color Vision Tests in the Identification of Cone Disorders. Ophthalmic Epidemiology, 2013, 20, 114-122. | 1.7 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Direct-to-Consumer Personal Genome Testing for Age-Related Macular Degeneration. , 2014, 55, 6167. | | 18 |
| 146 | Genetic correlations between intraocular pressure, blood pressure and primary open-angle glaucoma: a multi-cohort analysis. European Journal of Human Genetics, 2017, 25, 1261-1267. | 2.8 | 18 |
| 147 | CLINICAL CHARACTERISTICS AND NATURAL HISTORY OF RHO-ASSOCIATED RETINITIS PIGMENTOSA. Retina, 2021, 41, 213-223. | 1.7 | 18 |
| 148 | The efficacy of microarray screening for autosomal recessive retinitis pigmentosa in routine clinical practice. Molecular Vision, 2015, 21, 461-76. | 1.1 | 18 |
| 149 | Extending the Spectrum of EYS-Associated Retinal Disease to Macular Dystrophy. , 2019, 60, 2049. | | 16 |
| 150 | Whole exome sequencing of known eye genes reveals genetic causes for high myopia. Human Molecular Genetics, 2022, 31, 3290-3298. | 2.9 | 16 |
| 151 | Automated Segmentability Index for Layer Segmentation of Macular SD-OCT Images. Translational Vision Science and Technology, 2016, 5, 14. | 2.2 | 15 |
| 152 | Association of Diabetes Medication With Open-Angle Glaucoma, Age-Related Macular Degeneration, and Cataract in the Rotterdam Study. JAMA Ophthalmology, 2022, 140, 674. | 2.5 | 15 |
| 153 | The mediating role of the venules between smoking and ischemic stroke. European Journal of Epidemiology, 2018, 33, 1219-1228. | 5.7 | 13 |
| 154 | Physical Activity, Incidence, and Progression of Age-Related Macular Degeneration: A Multicohort Study. American Journal of Ophthalmology, 2022, 236, 99-106. | 3.3 | 13 |
| 155 | Prevalence of Myopic Macular Features in Dutch Individuals of European Ancestry With High Myopia. JAMA Ophthalmology, 2022, 140, 115. | 2.5 | 13 |
| 156 | Antiplatelet and Anticoagulant Drugs Do Not Affect Visual Outcome in Neovascular Age-Related Macular Degeneration in the BRAMD Trial. American Journal of Ophthalmology, 2018, 187, 130-137. | 3.3 | 12 |
| 157 | Genetic variants linked to myopic macular degeneration in persons with high myopia: CREAM Consortium. PLoS ONE, 2019, 14, e0220143. | 2.5 | 12 |
| 158 | LONGITUDINAL STUDY OF RPE65-ASSOCIATED INHERITED RETINAL DEGENERATIONS. Retina, 2020, 40, 1812-1828. | 1.7 | 12 |
| 159 | Genetic African Ancestry Is Associated With Central Corneal Thickness and Intraocular Pressure in Primary Open-Angle Glaucoma. , 2017, 58, 3172. | | 11 |
| 160 | Multimodal, multitask, multiattention (M3) deep learning detection of reticular pseudodrusen: Toward automated and accessible classification of age-related macular degeneration. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1135-1148. | 4.4 | 11 |
| 161 | Enlargement of Geographic Atrophy From First Diagnosis to End of Life. JAMA Ophthalmology, 2021, 139, 743. | 2.5 | 11 |
| 162 | Early onset Xâ€linked female limited high myopia in three multigenerational families caused by novel mutations in the ARR3 gene. Human Mutation, 2022, 43, 380-388. | 2.5 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Determining Possible Shared Genetic Architecture Between Myopia and Primary Open-Angle Glaucoma. , 2019, 60, 3142. | | 10 |
| 164 | Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. Communications Biology, 2020, 3, 755. | 4.4 | 10 |
| 165 | Stargardt disease: monitoring incidence and diagnostic trends in the Netherlands using a nationwide disease registry. Acta Ophthalmologica, 2022, 100, 395-402. | 1.1 | 10 |
| 166 | The Genetics of Myopia. , 2020, , 95-132. | | 10 |
| 167 | A genome-wide association study of corneal astigmatism: The CREAM Consortium. Molecular Vision, 2018, 24, 127-142. | 1.1 | 10 |
| 168 | Whole exome sequence analysis in 51â€‰624 participants identifies novel genes and variants associated with refractive error and myopia. Human Molecular Genetics, 2022, , . | 2.9 | 10 |
| 169 | Characterizing the Impact of Off-Axis Scan Acquisition on the Reproducibility of Total Retinal Thickness Measurements in SDOCT Volumes. Translational Vision Science and Technology, 2015, 4, 3. | 2.2 | 9 |
| 170 | Duke-Elderâ€™s Views on Prognosis, Prophylaxis, and Treatment of Myopia: Way Ahead of His Time. Strabismus, 2016, 24, 40-43. | 0.7 | 9 |
| 171 | A systematic review and participant-level meta-analysis found little association of retinal microvascular caliber with reduced kidney function. Kidney International, 2021, 99, 696-706. | 5.2 | 8 |
| 172 | Realâ€world treatment outcomes of neovascular Ageâ€related Macular Degeneration in the Netherlands. Acta Ophthalmologica, 2021, 99, e884-e892. | 1.1 | 8 |
| 173 | Sifting the wheat from the chaff: prioritizing GWAS results by identifying consistency across analytical methods. Genetic Epidemiology, 2011, 35, 745-754. | 1.3 | 7 |
| 174 | Subfoveal choroidal thickness at age 9Âyears in relation to clinical and perinatal characteristics in the populationâ€based Generation R Study. Acta Ophthalmologica, 2020, 98, 172-176. | 1.1 | 7 |
| 175 | Evidence That Emmetropization Buffers Against Both Genetic and Environmental Risk Factors for Myopia. , 2020, 61, 41. | | 7 |
| 176 | Patient-reported utilities in bilateral visual impairment from amblyopia and age-related macular degeneration. BMC Ophthalmology, 2016, 16, 56. | 1.4 | 6 |
| 177 | Differences in clinical presentation of primary openâ€angle glaucoma between African and European populations. Acta Ophthalmologica, 2021, 99, e1118-e1126. | 1.1 | 6 |
| 178 | Evaluating the Occurrence of Rare Variants in the Complement Factor H Gene in Patients With Early-Onset Drusen Maculopathy. JAMA Ophthalmology, 2021, 139, 1218. | 2.5 | 6 |
| 179 | Zebrafish: An In Vivo Screening Model to Study Ocular Phenotypes. Translational Vision Science and Technology, 2022, 11, 17. | 2.2 | 6 |
| 180 | Vitamin A for Children With Retinitis Pigmentosa. JAMA Ophthalmology, 2018, 136, 496. | 2.5 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Phenotypic Consequences of the GJD2 Risk Genotype in Myopia Development. , 2021, 62, 16. | | 5 |
| 182 | Genetic Risk in Families with Age-Related Macular Degeneration. Ophthalmology Science, 2021, 1, 100087. | 2.5 | 5 |
| 183 | Physical Activity Spaces Not Effective against Socioeconomic Inequalities in Myopia Incidence: The Generation R Study. Optometry and Vision Science, 2021, 98, 1371-1378. | 1.2 | 4 |
| 184 | Method for segmentation of the layers in the outer retina. , 2015, 2015, 5646-9. | | 3 |
| 185 | Longâ€term longitudinal changes in axial length in the Caucasian myopic and hyperopic population with a phakic intraocular lens. Acta Ophthalmologica, 2021, 99, e562-e568. | 1.1 | 3 |
| 186 | The Role of GJD2(Cx36) in Refractive Error Development. , 2022, 63, 5. | | 3 |
| 187 | Consortium for Refractive Error and Myopia (CREAM): Vision, Mission, and Accomplishments. Essentials in Ophthalmology, 2021, , 381-407. | 0.1 | 2 |
| 188 | Exploring Consensus on Preventive Measures and Identification of Patients at Risk of Age-Related Macular Degeneration Using the Delphi Process. Journal of Clinical Medicine, 2021, 10, 5432. | 2.4 | 2 |
| 189 | [P3â€“206]: RETINAL NEURODEGENERATION ON OPTICAL COHERENCE TOMOGRAPHY AND RISK OF DEMENTIA AND STROKE. Alzheimer's and Dementia, 2017, 13, P1014. | 0.8 | 1 |
| 190 | Spectacle wear and refractive errors in Dutch children. European Journal of Public Health, 2021, 31, . | 0.3 | 1 |
| 191 | Rates of spectacle wear in early childhood in the Netherlands. BMC Pediatrics, 2022, 22, . | 1.7 | 1 |
| 192 | Dietary Patterns and Age-Related Macular Degeneration. , 2019, , 107-126. | | 0 |
| 193 | Response to Dr. Watts letter on â€œThe impact of computer use on myopia development in childhoodâ€• Preventive Medicine, 2020, 139, 106069. | 3.4 | 0 |