# Robert Wojciechowski

## List of Publications by Citations



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| 56 papers | 2,893 citations | 32 h-index | 53 g-index |
| 59 ext. papers | 3,458 ext. citations | 9 avg, IF | 4.77 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 56 | 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 |
| 55 | Nature and nurture: the complex genetics of myopia and refractive error. *Clinical Genetics*, **2011**, 79, 301-20 | 4 | 197 |
| 54 | 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 |
| 53 | Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. *Nature Genetics*, **2018**, 50, 834-848 | 36.3 | 135 |
| 52 | 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 |
| 51 | 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 |
| 50 | Age, gender, biometry, refractive error, and the anterior chamber angle among Alaskan Eskimos. *Ophthalmology*, **2003**, 110, 365-75 | 7.3 | 94 |
| 49 | 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 |
| 48 | 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 |
| 47 | Determinants and heritability of intraocular pressure and cup-to-disc ratio in a defined older population. *Ophthalmology*, **2005**, 112, 1186-91 | 7.3 | 79 |
| 46 | Genomewide scan in Ashkenazi Jewish families demonstrates evidence of linkage of ocular refraction to a QTL on chromosome 1p36. *Human Genetics*, **2006**, 119, 389-99 | 6.3 | 79 |
| 45 | 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 |
| 44 | 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 |
| 43 | APLP2 Regulates Refractive Error and Myopia Development in Mice and Humans. *PLoS Genetics*, **2015**, 11, e1005432 | 6 | 59 |
| 42 | Heritability of refractive error and familial aggregation of myopia in an elderly American population. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 1588-92 | | 58 |
| 41 | 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 |
| 40 | 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 |

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| 39 | Education influences the association between genetic variants and refractive error: a meta-analysis of five Singapore studies. *Human Molecular Genetics*, **2014**, 23, 546-54 | 5.6 | 55 |
| 38 | Genome-wide association studies of refractive error and myopia, lessons learned, and implications for the future **2014**, 55, 3344-51 | | 54 |
| 37 | 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, 2754-64 | 5.6 | 52 |
| 36 | Genomewide scan of ocular refraction in African-American families shows significant linkage to chromosome 7p15. *Genetic Epidemiology*, **2008**, 32, 454-63 | 2.6 | 48 |
| 35 | Power vector analysis of refractive, corneal, and internal astigmatism in an elderly Chinese population: the Shihpai Eye Study **2011**, 52, 9651-7 | | 46 |
| 34 | Focusing in on the complex genetics of myopia. *PLoS Genetics*, **2013**, 9, e1003442 | 6 | 45 |
| 33 | Family history is a strong risk factor for prevalent angle closure in a South Indian population. *Ophthalmology*, **2014**, 121, 2091-7 | 7.3 | 44 |
| 32 | Heritability and familial aggregation of refractive error in the Old Order Amish. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4002-6 | | 41 |
| 31 | Correction of moderate myopia is associated with improvement in self-reported visual functioning among Mexican school-aged children. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4949-54 | | 40 |
| 30 | Assessing the Genetic Predisposition of Education on Myopia: A Mendelian Randomization Study. *Genetic Epidemiology*, **2016**, 40, 66-72 | 2.6 | 39 |
| 29 | Genome-wide meta-analysis of myopia and hyperopia provides evidence for replication of 11 loci. *PLoS ONE*, **2014**, 9, e107110 | 3.7 | 36 |
| 28 | Genetically low vitamin D concentrations and myopic refractive error: a Mendelian randomization study. *International Journal of Epidemiology*, **2017**, 46, 1882-1890 | 7.8 | 34 |
| 27 | Nuclear cataract shows significant familial aggregation in an older population after adjustment for possible shared environmental factors. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 2182-6 | | 34 |
| 26 | A genome-wide association study of intra-ocular pressure suggests a novel association in the gene FAM125B in the TwinsUK cohort. *Human Molecular Genetics*, **2014**, 23, 3343-8 | 5.6 | 32 |
| 25 | Topography of the age-related decline in motion sensitivity. *Optometry and Vision Science*, **1995**, 72, 67-74 | 2.1 | 32 |
| 24 | Matrix metalloproteinases and educational attainment in refractive error: evidence of gene-environment interactions in the Age-Related Eye Disease Study. *Ophthalmology*, **2013**, 120, 298-305 | 7.3 | 31 |
| 23 | Association of matrix metalloproteinase gene polymorphisms with refractive error in Amish and Ashkenazi families **2010**, 51, 4989-95 | | 31 |
| 22 | Punctal occlusion for dry eye syndrome. *Cochrane Database of Systematic Reviews*, **2010**, CD006775 | | 29 |

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| 21 | Genome-wide scan of African-American and white families for linkage to myopia. *American Journal of Ophthalmology*, **2009**, 147, 512-517.e2 | 4.9 | 28 |
| 20 | Cortical, but not posterior subcapsular, cataract shows significant familial aggregation in an older population after adjustment for possible shared environmental factors. *Ophthalmology*, **2005**, 112, 73-7 | 7.3 | 28 |
| 19 | Genomewide linkage scans for ocular refraction and meta-analysis of four populations in the Myopia Family Study **2009**, 50, 2024-32 | | 27 |
| 18 | Detailed genetic characteristics of an international large cohort of patients with Stargardt disease: ProgStar study report 8. *British Journal of Ophthalmology*, **2019**, 103, 390-397 | 5.5 | 26 |
| 17 | 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 |
| 16 | Longitudinal Changes of Fixation Location and Stability Within 12 Months in Stargardt Disease: ProgStar Report No. 12. *American Journal of Ophthalmology*, **2018**, 193, 54-61 | 4.9 | 20 |
| 15 | Association study in a South Indian population supports rs1015213 as a risk factor for primary angle closure **2013**, 54, 5624-8 | | 20 |
| 14 | 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 |
| 13 | Familial aggregation of hyperopia in an elderly population of siblings in Salisbury, Maryland. *Ophthalmology*, **2005**, 112, 78-83 | 7.3 | 19 |
| 12 | INVOLVEMENT OF MULTIPLE MOLECULAR PATHWAYS IN THE GENETICS OF OCULAR REFRACTION AND MYOPIA. *Retina*, **2018**, 38, 91-101 | 3.6 | 18 |
| 11 | Evaluation of random forests performance for genome-wide association studies in the presence of interaction effects. *BMC Proceedings*, **2009**, 3 Suppl 7, S64 | 2.3 | 18 |
| 10 | Faster Sensitivity Loss around Dense Scotomas than for Overall Macular Sensitivity in Stargardt Disease: ProgStar Report No. 14. *American Journal of Ophthalmology*, **2020**, 216, 219-225 | 4.9 | 12 |
| 9 | Structure-function correlations using scanning laser polarimetry in primary angle-closure glaucoma and primary open-angle glaucoma. *American Journal of Ophthalmology*, **2010**, 149, 817-25.e1 | 4.9 | 12 |
| 8 | CYP2D6 basic genotyping as a potential tool to improve the antiemetic efficacy of ondansetron in prophylaxis of postoperative nausea and vomiting. *Advances in Clinical and Experimental Medicine*, **2018**, 27, 1499-1503 | 1.8 | 11 |
| 7 | Regional replication of association with refractive error on 15q14 and 15q25 in the Age-Related Eye Disease Study cohort. *Molecular Vision*, **2013**, 19, 2173-86 | 2.3 | 11 |
| 6 | Old lessons learned anew: family-based methods for detecting genes responsible for quantitative and qualitative traits in the Genetic Analysis Workshop 17 mini-exome sequence data. *BMC Proceedings*, **2011**, 5 Suppl 9, S83 | 2.3 | 9 |
| 5 | Fine-mapping of candidate region in Amish and Ashkenazi families confirms linkage of refractive error to a QTL on 1p34-p36. *Molecular Vision*, **2009**, 15, 1398-406 | 2.3 | 9 |
| 4 | Investigation of altering single-nucleotide polymorphism density on the power to detect trait loci and frequency of false positive in nonparametric linkage analyses of qualitative traits. *BMC Genetics* , **2005**, 6 Suppl 1, S20 | 2.6 | 5 |

# List of Publications

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| 3 | Evaluation of Shared Genetic Susceptibility to High and Low Myopia and Hyperopia. *JAMA Ophthalmology*, **2021**, 139, 601-609 | 3.9 | 4 |
| 2 | Dissecting the genetic heterogeneity of myopia susceptibility in an Ashkenazi Jewish population using ordered subset analysis. *Molecular Vision*, **2011**, 17, 1641-51 | 2.3 | 3 |
| 1 | Punctal occlusion for dry eye syndrome **2007**, | | 1 |