

# Mary Frances Cotch

## List of Publications by Year in descending order

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112  
papers

11,146  
citations

47006

47  
h-index

33894

99  
g-index

113  
all docs

113  
docs citations

113  
times ranked

14288  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Vitamin D deficiency in Europe: pandemic?. American Journal of Clinical Nutrition, 2016, 103, 1033-1044.   | 4.7 | 963       |
| 2  | Prevalence of Diabetic Retinopathy in the United States, 2005-2008. JAMA - Journal of the American Medical Association, 2010, 304, 649.  | 7.4 | 895       |
| 3  | Trichomonas vaginalis Associated With Low Birth Weight and Preterm Delivery. Sexually Transmitted Diseases, 1997, 24, 353-360.   | 1.7 | 739       |
| 4  | Diabetic Retinopathy in a Multi-ethnic Cohort in the United States. American Journal of Ophthalmology, 2006, 141, 446-455.e1.  | 3.3 | 548       |
| 5  | Retinal Vascular Caliber, Cardiovascular Risk Factors, and Inflammation: The Multi-Ethnic Study of Atherosclerosis (MESA). , 2006, 47, 2341.   |     | 531       |
| 6  | Age, Gene/Environment Susceptibility-Reykjavik Study: Multidisciplinary Applied Phenomics. American Journal of Epidemiology, 2007, 165, 1076-1087.   | 3.4 | 488       |
| 7  | Prevalence of Refractive Error in the United States, 1999-2004. JAMA Ophthalmology, 2008, 126, 1111.   | 2.4 | 396       |
| 8  | Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.   | 7.1 | 376       |
| 9  | Prevalence of Age-Related Macular Degeneration in 4 Racial/Ethnic Groups in the Multi-ethnic Study of Atherosclerosis. Ophthalmology, 2006, 113, 373-380.  | 5.2 | 328       |
| 10 | Prevalence of Visual Impairment in the United States. JAMA - Journal of the American Medical Association, 2006, 295, 2158.   | 7.4 | 296       |
| 11 | Hearing Impairment Associated With Depression in US Adults, National Health and Nutrition Examination Survey 2005-2010. JAMA Otolaryngology - Head and Neck Surgery, 2014, 140, 293.                             | 2.2 | 274       |
| 12 | Relationship of Retinal Vascular Caliber With Diabetes and Retinopathy. Diabetes Care, 2008, 31, 544-549.  | 8.6 | 191       |
| 13 | Association Between Depression and Functional Vision Loss in Persons 20 Years of Age or Older in the United States, NHANES 2005-2008. JAMA Ophthalmology, 2013, 131, 573.  | 2.5 | 191       |
| 14 | Vision Health Disparities in the United States by Race/Ethnicity, Education, and Economic Status: Findings From Two Nationally Representative Surveys. American Journal of Ophthalmology, 2012, 154, S53-S62.e1. | 3.3 | 190       |
| 15 | Prevalence and Risk Factors for Epiretinal Membranes in a Multi-Ethnic United States Population. Ophthalmology, 2011, 118, 694-699.  | 5.2 | 180       |
| 16 | Epidemiology and outcomes associated with moderate to heavy Candida colonization during pregnancy. American Journal of Obstetrics and Gynecology, 1998, 178, 374-380.  | 1.3 | 177       |
| 17 | The impact of cocaine and marijuana use on low birth weight and preterm birth: A multicenter study. American Journal of Obstetrics and Gynecology, 1995, 172, 19-27.   | 1.3 | 176       |
| 18 | Retinal vascular caliber and the development of hypertension. Journal of Hypertension, 2014, 32, 207-215.  | 0.5 | 171       |

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|----|--|-----|-----------|
| 19 | Costs of Refractive Correction of Distance Vision Impairment in the United States, 1999â€“2002. <i>Ophthalmology</i> , 2006, 113, 2163-2170.   | 5.2 | 152       |
| 20 | Traditional and Novel Cardiovascular Risk Factors for Retinal Vein Occlusion: The Multiethnic Study of Atherosclerosis. , 2008, 49, 4297.  |     | 151       |
| 21 | Retinal Arteriolar Narrowing and Left Ventricular Remodeling. <i>Journal of the American College of Cardiology</i> , 2007, 50, 48-55.  | 2.8 | 137       |
| 22 | Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. <i>PLoS Genetics</i> , 2010, 6, e1001184.   | 3.5 | 134       |
| 23 | Seasonal Changes in Vitamin D-Effective UVB Availability in Europe and Associations with Population Serum 25-Hydroxyvitamin D. <i>Nutrients</i> , 2016, 8, 533.  | 4.1 | 127       |
| 24 | Aortic Distensibility and Retinal Arteriolar Narrowing. <i>Hypertension</i> , 2007, 50, 617-622.   | 2.7 | 115       |
| 25 | Retinal vessel diameters and risk of hypertension: the Multiethnic Study of Atherosclerosis. <i>Journal of Hypertension</i> , 2009, 27, 2386-2393.   | 0.5 | 112       |
| 26 | Impairments in hearing and vision impact on mortality in older people: the AGES-Reykjavik Study. <i>Age and Ageing</i> , 2014, 43, 69-76.  | 1.6 | 111       |
| 27 | Insights into the Genetic Architecture of Early Stage Age-Related Macular Degeneration: A Genome-Wide Association Study Meta-Analysis. <i>PLoS ONE</i> , 2013, 8, e53830.                                      | 2.5 | 108       |
| 28 | Self-Reported Age-Related Eye Diseases and Visual Impairment in the United States: Results of the 2002 National Health Interview Survey. <i>American Journal of Public Health</i> , 2008, 98, 454-461.         | 2.7 | 107       |
| 29 | Air Pollution and the Microvasculature: A Cross-Sectional Assessment of In Vivo Retinal Images in the Population-Based Multi-Ethnic Study of Atherosclerosis (MESA). <i>PLoS Medicine</i> , 2010, 7, e1000372. | 8.4 | 105       |
| 30 | Retinal Microvascular Signs and Risk of Stroke. <i>Stroke</i> , 2012, 43, 3245-3251.   | 2.0 | 97        |
| 31 | Inflammatory, Hemostatic, and Other Novel Biomarkers for Diabetic Retinopathy. <i>Diabetes Care</i> , 2009, 32, 1704-1709.   | 8.6 | 94        |
| 32 | Retinal and Cerebral Microvascular Signs and Diabetes. <i>Diabetes</i> , 2008, 57, 1645-1650.  | 0.6 | 91        |
| 33 | Inflammation, Complement Factor H, and Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2008, 115, 1742-1749.  | 5.2 | 88        |
| 34 | Wegener's granulomatosis: Patient-reported effects of disease on health, function, and income. <i>Arthritis and Rheumatism</i> , 1998, 41, 2257-2262.  | 6.7 | 85        |
| 35 | Association of Diabetic Macular Edema and Proliferative Diabetic Retinopathy With Cardiovascular Disease. <i>JAMA Ophthalmology</i> , 2017, 135, 586.  | 2.5 | 84        |
| 36 | Candidate Gene Association Study for Diabetic Retinopathy in Persons with Type 2 Diabetes: The Candidate Gene Association Resource (CARE). , 2011, 52, 7593.   |     | 82        |

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|----|--|-----|-----------|
| 37 | Age-Related Eye Diseases and Visual Impairment Among U.S. Adults. American Journal of Preventive Medicine, 2013, 45, 29-35.  | 3.0 | 82        |
| 38 | Five-Year Incidence, Progression, and Risk Factors for Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 1766-1772.  | 5.2 | 79        |
| 39 | Prevalence of Age-related Macular Degeneration in Old Persons: Age, Gene/Environment Susceptibility Reykjavik Study. Ophthalmology, 2011, 118, 825-830.  | 5.2 | 77        |
| 40 | Prevalence of Nonrefractive Visual Impairment in US Adults and Associated Risk Factors, 1999-2002 and 2005-2008. JAMA - Journal of the American Medical Association, 2012, 308, 2361.  | 7.4 | 76        |
| 41 | Relation of Retinopathy to Coronary Artery Calcification: The Multi-Ethnic Study of Atherosclerosis. American Journal of Epidemiology, 2007, 167, 51-58.   | 3.4 | 75        |
| 42 | Retinal Arteriolar Narrowing and Subsequent Development of CKD Stage 3: The Multi-Ethnic Study of Atherosclerosis (MESA). American Journal of Kidney Diseases, 2011, 58, 39-46.  | 1.9 | 68        |
| 43 | 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        |
| 44 | Racial Variations in the Prevalence of Refractive Errors in the United States: The Multi-Ethnic Study of Atherosclerosis. American Journal of Ophthalmology, 2013, 155, 1129-1138.e1.  | 3.3 | 66        |
| 45 | Meta-analysis of genome-wide association studies in five cohorts reveals common variants in RBOX1, a regulator of tissue-specific splicing, associated with refractive error. Human Molecular Genetics, 2013, 22, 2754-2764. | 2.9 | 60        |
| 46 | Retinal Vascular Caliber and Brachial Flow-Mediated Dilation. Stroke, 2010, 41, 1343-1348.   | 2.0 | 59        |
| 47 | Is Diabetic Retinopathy Related to Subclinical Cardiovascular Disease?. Ophthalmology, 2011, 118, 860-865.   | 5.2 | 57        |
| 48 | Multiethnic Genome-Wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control. Diabetes, 2019, 68, 441-456.  | 0.6 | 54        |
| 49 | Incidence of Age-Related Macular Degeneration in a Multi-Ethnic United States Population. Ophthalmology, 2016, 123, 1297-1308.   | 5.2 | 51        |
| 50 | Three-Year Incidence and Cumulative Prevalence of Retinopathy: The Atherosclerosis Risk in Communities Study. American Journal of Ophthalmology, 2007, 143, 970-976.   | 3.3 | 50        |
| 51 | Prevalence and Characteristics of Choroidal Nevi: The Multi-Ethnic Study of Atherosclerosis. Ophthalmology, 2011, 118, 2468-2473.  | 5.2 | 49        |
| 52 | Subclinical Atherosclerotic Cardiovascular Disease and Early Age-Related Macular Degeneration in a Multiracial Cohort. JAMA Ophthalmology, 2007, 125, 534.   | 2.4 | 48        |
| 53 | Spousal Loss and Cognitive Function in Later Life: A 25-year Follow-up in the AGES-Reykjavik Study. American Journal of Epidemiology, 2014, 179, 674-683.  | 3.4 | 46        |
| 54 | Microvascular lesions in the brain and retina: The age, gene/environment susceptibilityâ€“Reykjavik study. Annals of Neurology, 2009, 65, 569-576.   | 5.3 | 44        |

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|----|---|-----|-----------|
| 55 | Age-Related Macular Degeneration and Incident Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. <i>Ophthalmology</i> , 2012, 119, 765-770.   | 5.2 | 43        |
| 56 | Retinal microvascular calibre and risk of diabetes mellitus: a systematic review and participant-level meta-analysis. <i>Diabetologia</i> , 2015, 58, 2476-2485.  | 6.3 | 41        |
| 57 | 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        |
| 58 | Retinopathy in old persons with and without diabetes mellitus: the Age, Gene/Environment Susceptibility Reykjavik Study (AGES-R). <i>Diabetologia</i> , 2012, 55, 671-680.                                      | 6.3 | 37        |
| 59 | Retinopathy Signs in People without Diabetes. <i>Ophthalmology</i> , 2011, 118, 656-662.  | 5.2 | 35        |
| 60 | Hip Fractures and Bone Mineral Density in the Elderly Importance of Serum 25-Hydroxyvitamin D. <i>PLoS ONE</i> , 2014, 9, e91122.   | 2.5 | 34        |
| 61 | The Association of Systemic Microvascular Changes with Lung Function and Lung Density: A Cross-Sectional Study. <i>PLoS ONE</i> , 2012, 7, e50224.  | 2.5 | 33        |
| 62 | Physical Activity, Television Viewing Time, and Retinal Microvascular Caliber: The Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Epidemiology</i> , 2011, 173, 518-525.                         | 3.4 | 31        |
| 63 | Retinal arteriolar caliber and urine albumin excretion: the Multi-Ethnic Study of Atherosclerosis. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 3523-3528.  | 0.7 | 31        |
| 64 | Effect of Genetically Low 25-Hydroxyvitamin D on Mortality Risk: Mendelian Randomization Analysis in 3 Large European Cohorts. <i>Nutrients</i> , 2019, 11, 74.   | 4.1 | 30        |
| 65 | Age-Related Macular Degeneration and Mortality in Community-Dwelling Elders. <i>Ophthalmology</i> , 2015, 122, 382-390.   | 5.2 | 29        |
| 66 | Sex-specific predictors of hearing-aid use in older persons: The age, gene/environment susceptibility - Reykjavik study. <i>International Journal of Audiology</i> , 2015, 54, 634-641.                         | 1.7 | 28        |
| 67 | Novel Genetic Loci Associated With Retinal Microvascular Diameter. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 45-54.  | 5.1 | 28        |
| 68 | Genetic Loci for Retinal Arteriolar Microcirculation. <i>PLoS ONE</i> , 2013, 8, e65804.  | 2.5 | 27        |
| 69 | Associations between omega-6 polyunsaturated fatty acids, hyperinsulinemia and incident diabetes by race/ethnicity: The Multi-Ethnic Study of Atherosclerosis. <i>Clinical Nutrition</i> , 2020, 39, 3031-3041. | 5.0 | 26        |
| 70 | The socioeconomic impact of vasculitis. <i>Current Opinion in Rheumatology</i> , 2000, 12, 20-23.   | 4.3 | 24        |
| 71 | Genome-Wide Association Study of Retinopathy in Individuals without Diabetes. <i>PLoS ONE</i> , 2013, 8, e54232.  | 2.5 | 22        |
| 72 | Higher Plasma Phospholipid n-3 PUFAs, but Lower n-6 PUFAs, Are Associated with Lower Pulse Wave Velocity among Older Adults. <i>Journal of Nutrition</i> , 2015, 145, 2317-2324.                                | 2.9 | 20        |

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|----|--|------|-----------|
| 73 | Sex-Specific Association of Obstructive Sleep Apnea With Retinal Microvascular Signs: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2016, 5, .                   | 3.7  | 20        |
| 74 | Psychosocial Risk Factors and Retinal Microvascular Signs: The Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Epidemiology</i> , 2010, 171, 522-531.  | 3.4  | 19        |
| 75 | Ten-Year Longitudinal Changes in Retinal Microvascular Lesions. <i>Ophthalmology</i> , 2011, 118, 1612-1618.   | 5.2  | 19        |
| 76 | Visual Impairment in White, Chinese, Black, and Hispanic Participants from the Multi-Ethnic Study of Atherosclerosis Cohort. <i>Ophthalmic Epidemiology</i> , 2015, 22, 321-332.                                 | 1.7  | 19        |
| 77 | Eye Care Among US Adults at High Risk for Vision Loss in the United States in 2002 and 2017. <i>JAMA Ophthalmology</i> , 2020, 138, 479.   | 2.5  | 19        |
| 78 | Associations of Candidate Genes to Age-Related Macular Degeneration Among Racial/Ethnic Groups in the Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Ophthalmology</i> , 2013, 156, 1010-1020.e1. | 3.3  | 18        |
| 79 | Genetically Determined Plasma Lipid Levels and Risk of Diabetic Retinopathy: A Mendelian Randomization Study. <i>Diabetes</i> , 2017, 66, 3130-3141.   | 0.6  | 17        |
| 80 | Retinal microvascular calibre and risk of incident diabetes: The multi-ethnic study of atherosclerosis. <i>Diabetes Research and Clinical Practice</i> , 2012, 95, 265-274.                                      | 2.8  | 16        |
| 81 | Surveillance of Disparities in Vision and Eye Health in the United States: An Expert Panel's Opinions. <i>American Journal of Ophthalmology</i> , 2012, 154, S3-S7.  | 3.3  | 16        |
| 82 | Serum Carboxymethyllysine, an Advanced Glycation End Product, and Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2014, 132, 464.  | 2.5  | 15        |
| 83 | Impact of long-term measures of glucose and blood pressure on the retinal microvasculature. <i>Atherosclerosis</i> , 2012, 225, 412-417.   | 0.8  | 14        |
| 84 | A proteogenomic signature of age-related macular degeneration in blood. <i>Nature Communications</i> , 2022, 13, .   | 12.8 | 14        |
| 85 | Cluster Randomized Trial to Compare Spectacle Delivery Systems at Outreach Eye Camps in South India. <i>Ophthalmic Epidemiology</i> , 2013, 20, 308-314.   | 1.7  | 13        |
| 86 | Serum lipids in adults with late age-related macular degeneration: a case-control study. <i>Lipids in Health and Disease</i> , 2019, 18, 7.  | 3.0  | 13        |
| 87 | Mortality in Older Persons with Retinopathy and Concomitant Health Conditions. <i>Ophthalmology</i> , 2016, 123, 1570-1580.  | 5.2  | 12        |
| 88 | Is Renal Function Associated with Early Age-Related Macular Degeneration?. <i>Optometry and Vision Science</i> , 2014, 91, 860-864.  | 1.2  | 11        |
| 89 | Hearing in older adults with exfoliation syndrome/exfoliation glaucoma or primary open-angle glaucoma. <i>Acta Ophthalmologica</i> , 2016, 94, 140-146.  | 1.1  | 11        |
| 90 | Differential associations between retinal signs and CMBs by location. <i>Neurology</i> , 2018, 90, e142-e148.  | 1.1  | 11        |

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|-----|---|-----|-----------|
| 91  | African Ancestry Analysis and Admixture Genetic Mapping for Proliferative Diabetic Retinopathy in African Americans. , 2015, 56, 3999.  |     | 10        |
| 92  | Sleep apnea and retinal signs in cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. Sleep and Breathing, 2016, 20, 15-23.   | 1.7 | 10        |
| 93  | Establishing a Vision and Eye Health Surveillance System for the Nation: A Status Update on the Vision and Eye Health Surveillance System. Ophthalmology, 2018, 125, 471-473.   | 5.2 | 10        |
| 94  | Age-related macular degeneration and progression of coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis. PLoS ONE, 2018, 13, e0201000.   | 2.5 | 9         |
| 95  | Pre-diagnostic 25-hydroxyvitamin D levels and survival in cancer patients. Cancer Causes and Control, 2019, 30, 333-342.  | 1.8 | 8         |
| 96  | Incidence and progression of diabetic retinopathy in a multi-ethnic US cohort: the Multi-Ethnic Study of Atherosclerosis. British Journal of Ophthalmology, 2022, 106, 1264-1268.   | 3.9 | 7         |
| 97  | Gene Set Enrichment Analyses Identify Pathways Involved in Genetic Risk for Diabetic Retinopathy. American Journal of Ophthalmology, 2022, 233, 111-123.  | 3.3 | 7         |
| 98  | Impact of Sensory Impairments on Functional Disability in Adults With Arthritis. American Journal of Preventive Medicine, 2016, 50, 454-462.  | 3.0 | 6         |
| 99  | Hand and knee osteoarthritis are associated with reduced diameters in retinal vessels: the AGES-Reykjavik study. Rheumatology International, 2019, 39, 669-677.   | 3.0 | 6         |
| 100 | Sex-specific 25-hydroxyvitamin D threshold concentrations for functional outcomes in older adults: PProject on Optimal Vitamin D in Older adults (PROVIDO). American Journal of Clinical Nutrition, 2021, 114, 16-28.           | 4.7 | 6         |
| 101 | Emphysema, Airflow Limitation, and Early Age-Related Macular Degeneration. JAMA Ophthalmology, 2010, 128, 472.  | 2.4 | 5         |
| 102 | Birth Order and Myopia: What are the Messages to Readers?. Ophthalmic Epidemiology, 2013, 20, 333-334.  | 1.7 | 5         |
| 103 | Retinal vascular changes and right ventricular structure and function: the MESAâ€Right Ventricle and MESAâ€Eye studies. Pulmonary Circulation, 2019, 9, 1-9.  | 1.7 | 5         |
| 104 | Estimating familial aggregation while adjusting for covariates Application to pulmonary function data from black and white sibships. Annals of Epidemiology, 1992, 2, 317-324.  | 1.9 | 4         |
| 105 | Is nuclear magnetic resonance lipoprotein subclass related to diabetic retinopathy? The multi-ethnic study of atherosclerosis (MESA). Diabetes and Vascular Disease Research, 2009, 6, 40-42.                                   | 2.0 | 4         |
| 106 | Cerebral microbleeds and age-related macular degeneration: the AGES-Reykjavik Study. Neurobiology of Aging, 2012, 33, 2935-2937.  | 3.1 | 4         |
| 107 | Relation between Retinopathy and Progression of Coronary Artery Calcium in Individuals with Versus Without Diabetes Mellitus (From the Multiâ€Ethnic Study of Atherosclerosis). American Journal of Cardiology, 2021, 149, 1-8. | 1.6 | 3         |
| 108 | Association of Retinal Microvascular Signs with Incident Atrial Fibrillation. Ophthalmology Retina, 2021, 5, 78-85.   | 2.4 | 2         |

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|-----|--|-----|-----------|
| 109 | No association of 9p21 with arterial elasticity and retinal microvascular findings. <i>Atherosclerosis</i> , 2013, 230, 301-303.   | 0.8 | 1         |
| 110 | Health Care Services: Addressing the Global Challenge of Universal Eye Health. <i>Ophthalmic Epidemiology</i> , 2013, 20, 255-257. | 1.7 | 0         |
| 111 | Public Health Surveillance—The Integral Role of Community-Based Studies. <i>JAMA Ophthalmology</i> , 2016, 134, 578.               | 2.5 | 0         |
| 112 | Body size at birth and age-related macular degeneration in old age. <i>Acta Ophthalmologica</i> , 2020, 98, 455-463.               | 1.1 | 0         |