

Mary Frances Cotch

List of Publications by Year in descending order

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112
papers

11,146
citations

47006

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33894

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docs citations

113
times ranked

14288
citing authors

#	ARTICLE	IF	CITATIONS
1	Incidence and progression of diabetic retinopathy in a multi-ethnic US cohort: the Multi-Ethnic Study of Atherosclerosis. <i>British Journal of Ophthalmology</i> , 2022, 106, 1264-1268.	3.9	7
2	Gene Set Enrichment Analyses Identify Pathways Involved in Genetic Risk for Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , 2022, 233, 111-123.	3.3	7
3	A proteogenomic signature of age-related macular degeneration in blood. <i>Nature Communications</i> , 2022, 13, .	12.8	14
4	Sex-specific 25-hydroxyvitamin D threshold concentrations for functional outcomes in older adults: PProject on Optimal Vitamin D in Older adults (PROVIDO). <i>American Journal of Clinical Nutrition</i> , 2021, 114, 16-28.	4.7	6
5	Relation between Retinopathy and Progression of Coronary Artery Calcium in Individuals with Versus Without Diabetes Mellitus (From the Multi-Ethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , 2021, 149, 1-8.	1.6	3
6	Association of Retinal Microvascular Signs with Incident Atrial Fibrillation. <i>Ophthalmology Retina</i> , 2021, 5, 78-85.	2.4	2
7	Body size at birth and age-related macular degeneration in old age. <i>Acta Ophthalmologica</i> , 2020, 98, 455-463.	1.1	0
8	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
9	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
10	Hand and knee osteoarthritis are associated with reduced diameters in retinal vessels: the AGES-Reykjavik study. <i>Rheumatology International</i> , 2019, 39, 669-677.	3.0	6
11	Pre-diagnostic 25-hydroxyvitamin D levels and survival in cancer patients. <i>Cancer Causes and Control</i> , 2019, 30, 333-342.	1.8	8
12	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
13	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
14	Retinal vascular changes and right ventricular structure and function: the MESA-Right Ventricle and MESA-Eye studies. <i>Pulmonary Circulation</i> , 2019, 9, 1-9.	1.7	5
15	Multiethnic Genome-Wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control. <i>Diabetes</i> , 2019, 68, 441-456.	0.6	54
16	Establishing a Vision and Eye Health Surveillance System for the Nation: A Status Update on the Vision and Eye Health Surveillance System. <i>Ophthalmology</i> , 2018, 125, 471-473.	5.2	10
17	Differential associations between retinal signs and CMBs by location. <i>Neurology</i> , 2018, 90, e142-e148.	1.1	11
18	Age-related macular degeneration and progression of coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis. <i>PLoS ONE</i> , 2018, 13, e0201000.	2.5	9

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19	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. <i>JAMA Oncology</i> , 2017, 3, 636.	7.1	376
20	Association of Diabetic Macular Edema and Proliferative Diabetic Retinopathy With Cardiovascular Disease. <i>JAMA Ophthalmology</i> , 2017, 135, 586.	2.5	84
21	Genetically Determined Plasma Lipid Levels and Risk of Diabetic Retinopathy: A Mendelian Randomization Study. <i>Diabetes</i> , 2017, 66, 3130-3141.	0.6	17
22	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
23	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
24	Impact of Sensory Impairments on Functional Disability in Adults With Arthritis. <i>American Journal of Preventive Medicine</i> , 2016, 50, 454-462.	3.0	6
25	Public Health Surveillance—The Integral Role of Community-Based Studies. <i>JAMA Ophthalmology</i> , 2016, 134, 578.	2.5	0
26	Mortality in Older Persons with Retinopathy and Concomitant Health Conditions. <i>Ophthalmology</i> , 2016, 123, 1570-1580.	5.2	12
27	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
28	Sleep apnea and retinal signs in cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. <i>Sleep and Breathing</i> , 2016, 20, 15-23.	1.7	10
29	Incidence of Age-Related Macular Degeneration in a Multi-Ethnic United States Population. <i>Ophthalmology</i> , 2016, 123, 1297-1308.	5.2	51
30	Vitamin D deficiency in Europe: pandemic?. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1033-1044.	4.7	963
31	Novel Genetic Loci Associated With Retinal Microvascular Diameter. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 45-54.	5.1	28
32	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
33	African Ancestry Analysis and Admixture Genetic Mapping for Proliferative Diabetic Retinopathy in African Americans. , 2015, 56, 3999.		10
34	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
35	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
36	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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37	Age-Related Macular Degeneration and Mortality in Community-Dwelling Elders. <i>Ophthalmology</i> , 2015, 122, 382-390.	5.2	29
38	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
39	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
40	Serum Carboxymethyllysine, an Advanced Glycation End Product, and Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2014, 132, 464.	2.5	15
41	Hearing Impairment Associated With Depression in US Adults, National Health and Nutrition Examination Survey 2005-2010. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2014, 140, 293.	2.2	274
42	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
43	Retinal vascular caliber and the development of hypertension. <i>Journal of Hypertension</i> , 2014, 32, 207-215.	0.5	171
44	Is Renal Function Associated with Early Age-Related Macular Degeneration?. <i>Optometry and Vision Science</i> , 2014, 91, 860-864.	1.2	11
45	Spousal Loss and Cognitive Function in Later Life: A 25-year Follow-up in the AGES-Reykjavik Study. <i>American Journal of Epidemiology</i> , 2014, 179, 674-683.	3.4	46
46	Five-Year Incidence, Progression, and Risk Factors for Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2014, 121, 1766-1772.	5.2	79
47	No association of 9p21 with arterial elasticity and retinal microvascular findings. <i>Atherosclerosis</i> , 2013, 230, 301-303.	0.8	1
48	Meta-analysis of genome-wide association studies in five cohorts reveals common variants in <i>RBFOX1</i> , a regulator of tissue-specific splicing, associated with refractive error. <i>Human Molecular Genetics</i> , 2013, 22, 2754-2764.	2.9	60
49	Age-Related Eye Diseases and Visual Impairment Among U.S. Adults. <i>American Journal of Preventive Medicine</i> , 2013, 45, 29-35.	3.0	82
50	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
51	Racial Variations in the Prevalence of Refractive Errors in the United States: The Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Ophthalmology</i> , 2013, 155, 1129-1138.e1.	3.3	66
52	Association Between Depression and Functional Vision Loss in Persons 20 Years of Age or Older in the United States, NHANES 2005-2008. <i>JAMA Ophthalmology</i> , 2013, 131, 573.	2.5	191
53	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
54	Birth Order and Myopia: What are the Messages to Readers?. <i>Ophthalmic Epidemiology</i> , 2013, 20, 333-334.	1.7	5

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55	Health Care Services: Addressing the Global Challenge of Universal Eye Health. <i>Ophthalmic Epidemiology</i> , 2013, 20, 255-257.	1.7	0
56	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
57	Genome-Wide Association Study of Retinopathy in Individuals without Diabetes. <i>PLoS ONE</i> , 2013, 8, e54232.	2.5	22
58	Genetic Loci for Retinal Arteriolar Microcirculation. <i>PLoS ONE</i> , 2013, 8, e65804.	2.5	27
59	Retinal Microvascular Signs and Risk of Stroke. <i>Stroke</i> , 2012, 43, 3245-3251.	2.0	97
60	Prevalence of Nonrefractive Visual Impairment in US Adults and Associated Risk Factors, 1999-2002 and 2005-2008. <i>JAMA - Journal of the American Medical Association</i> , 2012, 308, 2361.	7.4	76
61	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
62	Impact of long-term measures of glucose and blood pressure on the retinal microvasculature. <i>Atherosclerosis</i> , 2012, 225, 412-417.	0.8	14
63	Cerebral microbleeds and age-related macular degeneration: the AGES-Reykjavik Study. <i>Neurobiology of Aging</i> , 2012, 33, 2935-2937.	3.1	4
64	Age-Related Macular Degeneration and Incident Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis. <i>Ophthalmology</i> , 2012, 119, 765-770.	5.2	43
65	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
66	Vision Health Disparities in the United States by Race/Ethnicity, Education, and Economic Status: Findings From Two Nationally Representative Surveys. <i>American Journal of Ophthalmology</i> , 2012, 154, S53-S62.e1.	3.3	190
67	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
68	Retinopathy in old persons with and without diabetes mellitus: the Age, Gene/Environment Susceptibilityâ€”Reykjavik Study (AGES-R). <i>Diabetologia</i> , 2012, 55, 671-680.	6.3	37
69	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
70	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
71	Retinopathy Signs in People without Diabetes. <i>Ophthalmology</i> , 2011, 118, 656-662.	5.2	35
72	Prevalence and Risk Factors for Epiretinal Membranes in a Multi-Ethnic United States Population. <i>Ophthalmology</i> , 2011, 118, 694-699.	5.2	180

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73	Is Diabetic Retinopathy Related to Subclinical Cardiovascular Disease?. <i>Ophthalmology</i> , 2011, 118, 860-865.	5.2	57
74	Prevalence of Age-related Macular Degeneration in Old Persons: Age, Gene/Environment Susceptibility Reykjavik Study. <i>Ophthalmology</i> , 2011, 118, 825-830.	5.2	77
75	Ten-Year Longitudinal Changes in Retinal Microvascular Lesions. <i>Ophthalmology</i> , 2011, 118, 1612-1618.	5.2	19
76	Prevalence and Characteristics of Choroidal Nevi: The Multi-Ethnic Study of Atherosclerosis. <i>Ophthalmology</i> , 2011, 118, 2468-2473.	5.2	49
77	Retinal Arteriolar Narrowing and Subsequent Development of CKD Stage 3: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Journal of Kidney Diseases</i> , 2011, 58, 39-46.	1.9	68
78	Candidate Gene Association Study for Diabetic Retinopathy in Persons with Type 2 Diabetes: The Candidate Gene Association Resource (CARE)., 2011, 52, 7593.		82
79	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
80	Emphysema, Airflow Limitation, and Early Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2010, 128, 472.	2.4	5
81	Prevalence of Diabetic Retinopathy in the United States, 2005-2008. <i>JAMA - Journal of the American Medical Association</i> , 2010, 304, 649.	7.4	895
82	Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. <i>PLoS Genetics</i> , 2010, 6, e1001184.	3.5	134
83	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
84	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
85	Retinal Vascular Caliber and Brachial Flow-Mediated Dilatation. <i>Stroke</i> , 2010, 41, 1343-1348.	2.0	59
86	Inflammatory, Hemostatic, and Other Novel Biomarkers for Diabetic Retinopathy. <i>Diabetes Care</i> , 2009, 32, 1704-1709.	8.6	94
87	Is nuclear magnetic resonance lipoprotein subclass related to diabetic retinopathy? The multi-ethnic study of atherosclerosis (MESA). <i>Diabetes and Vascular Disease Research</i> , 2009, 6, 40-42.	2.0	4
88	Microvascular lesions in the brain and retina: The age, gene/environment susceptibilityâ€“Reykjavik study. <i>Annals of Neurology</i> , 2009, 65, 569-576.	5.3	44
89	Retinal vessel diameters and risk of hypertension: the Multiethnic Study of Atherosclerosis. <i>Journal of Hypertension</i> , 2009, 27, 2386-2393.	0.5	112
90	Inflammation, Complement Factor H, and Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2008, 115, 1742-1749.	5.2	88

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91	Prevalence of Refractive Error in the United States, 1999-2004. JAMA Ophthalmology, 2008, 126, 1111.	2.4	396
92	Retinal and Cerebral Microvascular Signs and Diabetes. Diabetes, 2008, 57, 1645-1650.	0.6	91
93	Relationship of Retinal Vascular Caliber With Diabetes and Retinopathy. Diabetes Care, 2008, 31, 544-549.	8.6	191
94	Self-Reported Age-Related Eye Diseases and Visual Impairment in the United States: Results of the 2002 National Health Interview Survey. American Journal of Public Health, 2008, 98, 454-461.	2.7	107
95	Traditional and Novel Cardiovascular Risk Factors for Retinal Vein Occlusion: The Multiethnic Study of Atherosclerosis. , 2008, 49, 4297.		151
96	Aortic Distensibility and Retinal Arteriolar Narrowing. Hypertension, 2007, 50, 617-622.	2.7	115
97	Relation of Retinopathy to Coronary Artery Calcification: The Multi-Ethnic Study of Atherosclerosis. American Journal of Epidemiology, 2007, 167, 51-58.	3.4	75
98	Age, Gene/Environment Susceptibility-Reykjavik Study: Multidisciplinary Applied Phenomics. American Journal of Epidemiology, 2007, 165, 1076-1087.	3.4	488
99	Subclinical Atherosclerotic Cardiovascular Disease and Early Age-Related Macular Degeneration in a Multiracial Cohort. JAMA Ophthalmology, 2007, 125, 534.	2.4	48
100	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
101	Retinal Arteriolar Narrowing and Left Ventricular Remodeling. Journal of the American College of Cardiology, 2007, 50, 48-55.	2.8	137
102	Diabetic Retinopathy in a Multi-ethnic Cohort in the United States. American Journal of Ophthalmology, 2006, 141, 446-455.e1.	3.3	548
103	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
104	Costs of Refractive Correction of Distance Vision Impairment in the United States, 1999-2002. Ophthalmology, 2006, 113, 2163-2170.	5.2	152
105	Retinal Vascular Caliber, Cardiovascular Risk Factors, and Inflammation: The Multi-Ethnic Study of Atherosclerosis (MESA). , 2006, 47, 2341.		531
106	Prevalence of Visual Impairment in the United States. JAMA - Journal of the American Medical Association, 2006, 295, 2158.	7.4	296
107	The socioeconomic impact of vasculitis. Current Opinion in Rheumatology, 2000, 12, 20-23.	4.3	24
108	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

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109	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
110	<i>Trichomonas vaginalis</i> Associated With Low Birth Weight and Preterm Delivery. <i>Sexually Transmitted Diseases</i> , 1997, 24, 353-360.	1.7	739
111	The impact of cocaine and marijuana use on low birth weight and preterm birth: A multicenter study. <i>American Journal of Obstetrics and Gynecology</i> , 1995, 172, 19-27.	1.3	176
112	Estimating familial aggregation while adjusting for covariates Application to pulmonary function data from black and white sibships. <i>Annals of Epidemiology</i> , 1992, 2, 317-324.	1.9	4