## Barbara E K Klein

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8320397/publications.pdf

Version: 2024-02-01

53660 23472 13,262 139 45 111 citations h-index g-index papers 139 139 139 15690 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Association of Central Retinal Arteriolar and Venular Equivalents with Brain-aging and Macular Ganglion Cell-inner Plexiform Layer Thickness. Ophthalmic Epidemiology, 2023, 30, 103-111.	0.8	O
2	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.	2.1	7
3	Gene Set Enrichment Analsyes Identify Pathways Involved in Genetic Risk for Diabetic Retinopathy. American Journal of Ophthalmology, 2022, 233, 111-123.	1.7	7
4	Generational Differences in the 10-year Incidence of Impaired Contrast Sensitivity. Ophthalmic Epidemiology, 2021, 28, 175-182.	0.8	1
5	Incidence of Hearing Impairment and Changes in Pure-Tone Average Across Generations. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 151.	1.2	7
6	Factors Associated with the Macular Ganglion Cell–Inner Plexiform Layer Thickness in a Cohort of Middle-aged U.S. Adults. Optometry and Vision Science, 2021, 98, 295-305.	0.6	9
7	Metformin and carotid intimaâ€media thickness in neverâ€smokers with type <scp>1</scp> diabetes: The <scp>REMOVAL</scp> trial. Diabetes, Obesity and Metabolism, 2021, 23, 1371-1378.	2.2	11
8	Diabetes subgroups and risk for complications: The Multi-Ethnic Study of Atherosclerosis (MESA). Journal of Diabetes and Its Complications, 2021, 35, 107915.	1.2	7
9	Benefit of Musical Training for Speech Perception and Cognition Later in Life. Journal of Speech, Language, and Hearing Research, 2021, 64, 2885-2896.	0.7	8
10	Association of Retinal Microvascular Signs with Incident Atrial Fibrillation. Ophthalmology Retina, 2021, 5, 78-85.	1.2	2
11	Chronic kidney disease and the risk of incident hearing loss. Laryngoscope, 2020, 130, E213-E219.	1.1	7
12	Cadmium, obesity, and education, and the 10â€year incidence of hearing impairment: The beaver dam offspring study. Laryngoscope, 2020, 130, 1396-1401.	1.1	18
13	Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. Communications Biology, 2020, 3, 755.	2.0	10
14	Macular Ganglion Cell-Inner Plexiform Layer as a Marker of Cognitive and Sensory Function in Midlife. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, e42-e48.	1.7	11
15	Associations of Sleep Measures with Retinal Microvascular Diameters among Police Officers. Ophthalmic Epidemiology, 2020, 27, 487-497.	0.8	2
16	Longitudinal Decline on the Dichotic Digits Test. American Journal of Audiology, 2020, 29, 862-872.	0.5	3
17	Incidence and progression of diabetic retinopathy: a systematic review. Lancet Diabetes and Endocrinology,the, 2019, 7, 140-149.	5.5	299
18	Skin Intrinsic Fluorescence and Selected Measures of Visual Function and aging in Older Adults. Ophthalmic Epidemiology, 2019, 26, 264-269.	0.8	0

#	Article	IF	Citations
19	Neuroprotective factors and incident hearing impairment in the epidemiology of hearing loss study. Laryngoscope, 2019, 129, 2178-2183.	1.1	5
20	Genetic Determinants of Glycated Hemoglobin in Type 1 Diabetes. Diabetes, 2019, 68, 858-867.	0.3	14
21	An Epidemiologic Study of the Association between Free Recall Dichotic Digits Test Performance and Vascular Health. Journal of the American Academy of Audiology, 2019, 30, 282-292.	0.4	9
22	Brain Aging in Midlife: The Beaver Dam Offspring Study. Journal of the American Geriatrics Society, 2019, 67, 1610-1616.	1.3	20
23	Serum 25-Hydroxyvitamin D Concentrations and Incidence of Age-Related Macular Degeneration: The Atherosclerosis Risk in Communities Study., 2019, 60, 1362.		13
24	Retinal signs and risk of incident dementia in the Atherosclerosis Risk in Communities study. Alzheimer's and Dementia, 2019, 15, 477-486.	0.4	31
25	Adiposity and risk of decline in glomerular filtration rate: meta-analysis of individual participant data in a global consortium. BMJ: British Medical Journal, 2019, 364, k5301.	2.4	139
26	Sensorineural Impairments, Cardiovascular Risk Factors, and 10-Year Incidence of Cognitive Impairment and Decline in Midlife: The Beaver Dam Offspring Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1786-1792.	1.7	28
27	Multiethnic Genome-Wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control. Diabetes, 2019, 68, 441-456.	0.3	54
28	Retinal signs and 20-year cognitive decline in the Atherosclerosis Risk in Communities Study. Neurology, 2018, 90, e1158-e1166.	1.5	29
29	Meta-genome-wide association studies identify a locus on chromosome $1$ and multiple variants in the MHC region for serum C-peptide in type $1$ diabetes. Diabetologia, $2018$ , $61$ , $1098$ - $1111$ .	2.9	26
30	Association Between Cystatin C and 20-Year Cumulative Incidence of Hearing Impairment in the Epidemiology of Hearing Loss Study. JAMA Otolaryngology - Head and Neck Surgery, 2018, 144, 469.	1.2	8
31	Exome Array Analysis of Nuclear Lens Opacity. Ophthalmic Epidemiology, 2018, 25, 215-219.	0.8	3
32	P3â€588: BRAINâ€DERIVED NEUROTROPHIC FACTOR AND THE INCIDENCE OF COGNITIVE IMPAIRMENT IN THE EPIDEMIOLOGY OF HEARING LOSS STUDY. Alzheimer's and Dementia, 2018, 14, P1351.	0.4	0
33	Refraction and Change in Refraction Over a 20-Year Period in the Beaver Dam Eye Study. , 2018, 59, 4518.		18
34	Aldose Reductase Polymorphisms, Fasting Blood Glucose, and Age-Related Cortical Cataract., 2018, 59, 4755.		5
35	Association of Cadmium and Lead Exposure With the Incidence of Contrast Sensitivity Impairment Among Middle-aged Adults. JAMA Ophthalmology, 2018, 136, 1342.	1.4	17
36	A genomeâ€wide association study suggests new evidence for an association of the <scp>NADPH</scp> Oxidase 4 ( <i><scp>NOX</scp>4</i> ) gene with severe diabetic retinopathy in type 2 diabetes. Acta Ophthalmologica, 2018, 96, e811-e819.	0.6	52

#	Article	IF	Citations
37	Association analysis of exome variants and refraction, axial length, and corneal curvature in a European-American population. Human Mutation, 2018, 39, 1973-1979.	1.1	3
38	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. Nature Genetics, 2018, 50, 834-848.	9.4	239
39	Neural dysfunction and retinopathy in persons with type 1 diabetes. Ophthalmic Epidemiology, 2018, 25, $373-378$ .	0.8	2
40	Age-related macular degeneration and progression of coronary artery calcium: The Multi-Ethnic Study of Atherosclerosis. PLoS ONE, 2018, 13, e0201000.	1.1	9
41	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.	2.1	38
42	The Relation between Sleep Disruption and Cataract in a Large Population-Based Study. Ophthalmic Epidemiology, 2017, 24, 111-115.	0.8	4
43	Association of Diabetic Macular Edema and Proliferative Diabetic Retinopathy With Cardiovascular Disease. JAMA Ophthalmology, 2017, 135, 586.	1.4	84
44	Cardiovascular and metabolic effects of metformin in patients with type 1 diabetes (REMOVAL): a double-blind, randomised, placebo-controlled trial. Lancet Diabetes and Endocrinology, the, 2017, 5, 597-609.	5.5	248
45	Association between Dietary Xanthophyll (Lutein and Zeaxanthin) Intake and Early Age-Related Macular Degeneration: The Atherosclerosis Risk in Communities Study. Ophthalmic Epidemiology, 2017, 24, 311-322.	0.8	7
46	Guidance on radiation dose limits for the lens of the eye: overview of the recommendations in NCRP Commentary No. 26. International Journal of Radiation Biology, 2017, 93, 1015-1023.	1.0	60
47	Association of Skin Intrinsic Fluorescence with Retinal Microvascular Complications of Long Term Type 1 Diabetes in the Wisconsin Epidemiologic Study of Diabetic Retinopathy. Ophthalmic Epidemiology, 2017, 24, 211-216.	0.8	9
48	Nerve Fiber Layer Thickness and Characteristics Associated with Glaucoma in Community Living Older Adults: Prelude to a Screening Trial?. Ophthalmic Epidemiology, 2017, 24, 104-110.	0.8	6
49	Odor detection thresholds in a population of older adults. Laryngoscope, 2017, 127, 1257-1262.	1.1	24
50	A longitudinal population study of the impact of cataract extraction on sleep quality. Cogent Medicine, 2017, 4, 1314905.	0.7	0
51	Predictors of electrocardiographic abnormalities in type 1 Diabetes: the Wisconsin Epidemiologic Study of Diabetic Retinopathy. Journal of Endocrinological Investigation, 2017, 40, 313-318.	1.8	4
52	Diabetic Microvascular Disease: An Endocrine Society Scientific Statement. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 4343-4410.	1.8	323
53	Skin Intrinsic Fluorescence and Age-Related Macular Degeneration: The Beaver Dam Eye Study. , 2017, 58, 6328.		3
54	The period effect in the prevalence of proliferative diabetic retinopathy, gross proteinuria, and peripheral neuropathy in type 1 diabetes: A longitudinal cohort study. PLoS ONE, 2017, 12, e0174979.	1.1	8

#	Article	IF	Citations
55	Comparison of Common Retinal Vessel Caliber Measurement Software and a Conversion Algorithm. Translational Vision Science and Technology, 2016, 5, 11.	1.1	42
56	Adequate vitamin D status is associated with the reduced odds of prevalent diabetic retinopathy in African Americans and Caucasians. Cardiovascular Diabetology, 2016, 15, 128.	2.7	35
57	New Locus for Skin Intrinsic Fluorescence in Type 1 Diabetes Also Associated With Blood and Skin Glycated Proteins. Diabetes, 2016, 65, 2060-2071.	0.3	10
58	Body Fat Distribution and Diabetic Retinopathy in People With Type 2 Diabetes. JAMA - Journal of the American Medical Association, 2016, 315, 1778.	3.8	13
59	Ageâ€Related Sensory Impairments and Risk of Cognitive Impairment. Journal of the American Geriatrics Society, 2016, 64, 1981-1987.	1.3	172
60	Variability in Spectral-Domain Optical Coherence Tomography over 4 Weeks by Age. Ophthalmic Epidemiology, 2016, 23, 193-201.	0.8	1
61	Meta-analysis of gene–environment-wide association scans accounting for education level identifies additional loci for refractive error. Nature Communications, 2016, 7, 11008.	5.8	104
62	Sexâ€Specific Association of Obstructive Sleep Apnea With Retinal Microvascular Signs: The Multiâ€Ethnic Study of Atherosclerosis. Journal of the American Heart Association, 2016, 5, .	1.6	20
63	Sleep apnea and retinal signs in cardiovascular disease: the Multi-Ethnic Study of Atherosclerosis. Sleep and Breathing, 2016, 20, 15-23.	0.9	10
64	Associations Between Methylenetetrahydrofolate Reductase Polymorphisms, Serum Homocysteine Levels, and Incident Cortical Cataract. JAMA Ophthalmology, 2016, 134, 522.	1.4	11
65	Dietary Intake of Lutein and Diabetic Retinopathy in the Atherosclerosis Risk in Communities Study (ARIC). Ophthalmic Epidemiology, 2016, 23, 99-108.	0.8	23
66	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. Nature Genetics, 2016, 48, 134-143.	9.4	1,167
67	Variation in PTCHD2, CRISP3, NAP1L4, FSCB, and AP3B2 associated with spherical equivalent. Molecular Vision, 2016, 22, 783-96.	1.1	8
68	Visual Function and Its Relationship with Severity of Early, and Activity of Neovascular, Age-Related Macular Degeneration. Journal of Clinical & Experimental Ophthalmology, 2015, 06, 488.	0.1	1
69	African Ancestry Analysis and Admixture Genetic Mapping for Proliferative Diabetic Retinopathy in African Americans., 2015, 56, 3999.		10
70	Exome Array Analysis Identifies CAV1/CAV2 as a Susceptibility Locus for Intraocular Pressure. Investigative Ophthalmology and Visual Science, 2015, 56, 544-551.	3.3	43
71	Microvasculature and incident atrioventricular conduction abnormalities in the Multi-Ethnic Study of Atherosclerosis (MESA). Vascular Medicine, 2015, 20, 417-423.	0.8	10
72	Oxidized Low-Density Lipoprotein and the Incidence of Proliferative Diabetic Retinopathy and Clinically Significant Macular Edema Determined From Fundus Photographs. JAMA Ophthalmology, 2015, 133, 1054.	1.4	7

#	Article	IF	Citations
73	Inflammatory and vascular markers and olfactory impairment in older adults. Age and Ageing, 2015, 44, 878-882.	0.7	26
74	The association of previously reported polymorphisms for microvascular complications in a meta-analysis of diabetic retinopathy. Human Genetics, 2015, 134, 247-257.	1.8	60
75	Severity of Age-Related Macular Degeneration in 1 Eye and the Incidence and Progression of Age-Related Macular Degeneration in the Fellow Eye. JAMA Ophthalmology, 2015, 133, 125.	1.4	31
76	Serum Lipids and Proliferative Diabetic Retinopathy and Macular Edema in Persons With Long-term Type 1 Diabetes Mellitus. JAMA Ophthalmology, 2015, 133, 503.	1.4	74
77	Smoking, Central Adiposity, and Poor Glycemic Control Increase Risk of Hearing Impairment. Journal of the American Geriatrics Society, 2015, 63, 918-924.	1.3	132
78	Backward multiple imputation estimation of the conditional lifetime expectancy function with application to censored human longevity data. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12069-12074.	3.3	0
79	Hearing-aid use and long-term health outcomes: Hearing handicap, mental health, social engagement, cognitive function, physical health, and mortality. International Journal of Audiology, 2015, 54, 838-844.	0.9	105
80	Retinal microvascular calibre and risk of diabetes mellitus: a systematic review and participant-level meta-analysis. Diabetologia, 2015, 58, 2476-2485.	2.9	41
81	Genome-Wide Meta-Analysis of Myopia and Hyperopia Provides Evidence for Replication of 11 Loci. PLoS ONE, 2014, 9, e107110.	1.1	40
82	Markers of Inflammation, Oxidative Stress, and Endothelial Dysfunction and the 20-Year Cumulative Incidence of Early Age-Related Macular Degeneration. JAMA Ophthalmology, 2014, 132, 446.	1.4	122
83	Statin Use and Cataracts. JAMA Ophthalmology, 2014, 132, 366.	1.4	3
84	Genetic Determinants of Age-Related Macular Degeneration in Diverse Populations From the PAGE Study. Investigative Ophthalmology and Visual Science, 2014, 55, 6839-6850.	3.3	59
85	Sunlight Exposure, Pigmentation, and Incident Age-Related Macular Degeneration., 2014, 55, 5855.		32
86	Cross-sectional Associations of Medication and Supplement Use With Retinal Vascular Diameter in the Beaver Dam Eye Study. JAMA Ophthalmology, 2014, 132, 23.	1.4	8
87	Nitrate-nitrogen levels in rural drinking water: Is there an association with age-related macular degeneration?. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1757-1763.	0.9	14
88	Projected Prevalences of Age-Related Eye Diseases. , 2013, 54, ORSF14.		12
89	Hypertensive Retinopathy and Risk of Stroke. Hypertension, 2013, 62, 706-711.	1.3	72
90	Genome-wide association study in a Chinese population with diabetic retinopathy. Human Molecular Genetics, 2013, 22, 3165-3173.	1.4	84

#	Article	IF	Citations
91	Longâ€Term Variability of Inflammatory Markers and Associated Factors in a Populationâ€Based Cohort. Journal of the American Geriatrics Society, 2013, 61, 1269-1276.	1.3	34
92	Long-term Use of Aspirin and Age-Related Macular Degeneration. JAMA - Journal of the American Medical Association, 2012, 308, 2469.	3.8	59
93	Determinants of Retinal Venular Diameter: The Beaver Dam Eye Study. Ophthalmology, 2012, 119, 2563-2571.	2.5	46
94	Cross-Sectional Associations of Blood Elements, Clotting Factors, Nephropathy, and Retinal Outcomes in Long Duration Type 1 Diabetes. Ophthalmic Epidemiology, 2012, 19, 120-126.	0.8	3
95	Global Prevalence and Major Risk Factors of Diabetic Retinopathy. Diabetes Care, 2012, 35, 556-564.	4.3	3,439
96	Replication Analysis for Severe Diabetic Retinopathy., 2012, 53, 2377.		42
97	Complete Blood Cell Count and Retinal Vessel Diameters. JAMA Ophthalmology, 2011, 129, 490.	2.6	8
98	Refraction in Adults With Diabetes. JAMA Ophthalmology, 2011, 129, 56.	2.6	14
99	Retinal Microvascular Changes and the Risk of Developing Obesity: Population-Based Cohort Study. Microcirculation, 2011, 18, 655-662.	1.0	17
100	Olfactory impairment in older adults: Fiveâ€year incidence and risk factors. Laryngoscope, 2011, 121, 873-878.	1.1	93
101	Serum Cystatin C and the Incidence of Hypertension in Type 1 Diabetes Mellitus. American Journal of Hypertension, 2011, 24, 59-63.	1.0	5
102	Selected Sun-Sensitizing Medications and Incident Cataract. JAMA Ophthalmology, 2010, 128, 959.	2.6	6
103	Genomeâ€wide Linkage Analysis of Multiple Metabolic Factors: Evidence of Genetic Heterogeneity. Obesity, 2010, 18, 146-152.	1.5	6
104	Identification of Diabetic Retinopathy Genes through a Genome-Wide Association Study among Mexican-Americans from Starr County, Texas. Journal of Ophthalmology, 2010, 2010, 1-9.	0.6	77
105	The ten-year incidence of tinnitus among older adults. International Journal of Audiology, 2010, 49, 580-585.	0.9	105
106	Epidemiology of Myopia and Myopic Shift in Refraction. , 2010, , 3-21.		0
107	Self- and registry-reported cancer in a population-based longitudinal study. Wisconsin Medical Journal, 2010, 109, 261-6.	0.3	7
108	Progression of retinopathy in persons with type 2 diabetes: new data, same conclusions?. , 2010, 120, 413-6.		0

#	Article	IF	Citations
109	Forecasting Age-Related Macular Degeneration Through 2050. JAMA - Journal of the American Medical Association, 2009, 301, 2152.	3.8	21
110	The Relation of Markers of Inflammation and Endothelial Dysfunction to the Prevalence and Progression of Diabetic Retinopathy. JAMA Ophthalmology, 2009, 127, 1175.	2.6	97
111	Prediction of Incident Stroke Events Based on Retinal Vessel Caliber: A Systematic Review and Individual-Participant Meta-Analysis. American Journal of Epidemiology, 2009, 170, 1323-1332.	1.6	285
112	Multiple sensory impairment and quality of life. Ophthalmic Epidemiology, 2009, 16, 346-353.	0.8	87
113	Meta-analysis: Retinal Vessel Caliber and Risk for Coronary Heart Disease. Annals of Internal Medicine, 2009, 151, 404.	2.0	273
114	Cystatin C, Other Markers of Kidney Disease, and Incidence of Age-Related Cataract. JAMA Ophthalmology, 2008, 126, 1724.	2.6	13
115	Aortic Distensibility and Retinal Arteriolar Narrowing. Hypertension, 2007, 50, 617-622.	1.3	115
116	Genome-Wide Linkage Analyses to Identify Loci for Diabetic Retinopathy. Diabetes, 2007, 56, 1160-1166.	0.3	106
117	Retinal Microvascular Signs, Cognitive Function, and Dementia in Older Persons. Stroke, 2007, 38, 2041-2047.	1.0	121
118	Retinal Arteriolar Narrowing and Left Ventricular Remodeling. Journal of the American College of Cardiology, 2007, 50, 48-55.	1.2	137
119	Diabetic Retinopathy in a Multi-ethnic Cohort in the United States. American Journal of Ophthalmology, 2006, 141, 446-455.e1.	1.7	548
120	Statin Use and Incident Nuclear Cataract. JAMA - Journal of the American Medical Association, 2006, 295, 2752.	3.8	96
121	Retinal Arteriolar Emboli and Long-Term Mortality. Stroke, 2006, 37, 1833-1836.	1.0	75
122	Does the intraocular pressure effect on optic disc cupping differ by age?. Transactions of the American Ophthalmological Society, 2006, 104, 143-8.	1.4	11
123	Detecting Progression of Nuclear Sclerosis by Using Human Grading Versus Semiautomated Computer Grading., 2005, 46, 1155.		14
124	Electrocardiographic Abnormalities in Individuals With Long-Duration Type 1 Diabetes. Diabetes Care, 2005, 28, 145-147.	4.3	7
125	Life-style Correlates of Tooth Loss in an Adult Midwestern Population. Journal of Public Health Dentistry, 2004, 64, 145-150.	0.5	65
126	Revised formulas for summarizing retinal vessel diameters. Current Eye Research, 2003, 27, 143-149.	0.7	755

#	Article	IF	CITATIONS
127	Retinal Arteriolar Narrowing and Risk of Coronary Heart Disease in Men and Women. JAMA - Journal of the American Medical Association, 2002, 287, 1153-9.	3.8	678
128	Prevalence of Sleep Problems and Quality of Life in an Older Population. Sleep, 2002, , .	0.6	85
129	The association of atherosclerosis, vascular risk factors, and retinopathy in adults with diabetes. Ophthalmology, 2002, 109, 1225-1234.	2.5	264
130	Smoothing Spline ANOVA for Multivariate Bernoulli Observations With Application to Ophthalmology Data. Journal of the American Statistical Association, 2001, 96, 127-160.	1.8	33
131	Association of Leisure-Time Noise Exposure and Hearing Loss:Asociación entre exposición a ruido durante el tiempo libre e hipoacusia. International Journal of Audiology, 2001, 40, 1-9.	0.9	60
132	Serum carotenoids and tocopherols and incidence of age-related nuclear cataract. American Journal of Clinical Nutrition, 1999, 69, 272-277.	2.2	128
133	A Bayesian approach to modelling the natural history of a chronic condition from observations with intervention., 1999, 18, 1355-1371.		35
134	Accuracy of Self-reported Hearing Loss. International Journal of Audiology, 1998, 37, 295-301.	0.9	211
135	Usual consumption of plant foods containing phytoestrogens and sex hormone levels in postmenopausal women in Wisconsin. Nutrition and Cancer, 1998, 30, 207-212.	0.9	16
136	Challenges in epidemiologic research of cataract. Ophthalmic Epidemiology, 1997, 4, 175-176.	0.8	1
137	A Diet History Questionnaire Ranks Nutrient Intakes in Middle-Aged and Older Men and Women Similarly to Multiple Food Records. Journal of Nutrition, 1993, 123, 489-501.	1.3	250
138	Serum Cholesterol in Wisconsin Epidemiologic Study of Diabetic Retinopathy. Diabetes Care, 1992, 15, 282-287.	4.3	13
139	The wisconsin epidemiological study of diabetic retinopathy: A review. Diabetes/metabolism Reviews, 1989, 5, 559-570.	0.2	148