Gareth J Mckay

List of Publications by Year
in descending order

115 papers	9,526 citations	159585 30 h-index	46799 89 g-index
120 all docs	120 docs citations	120 times ranked	18049 citing authors

#	Article	IF	Citations
1	Economic evaluation of direct oral anticoagulants (DOACs) versus vitamin K antagonists (VKAs) for stroke prevention in patients with atrial fibrillation: a systematic review and meta-analysis. BMJ Evidence-Based Medicine, 2022, 27, 215-223.	3.5	13
2	External validation of prognostic models for chronic kidney disease among type 2 diabetes. Journal of Nephrology, 2022, , 1.	2.0	4
3	Neoadjuvant Treatment with HER2-Targeted Therapies in HER2-Positive Breast Cancer: A Systematic Review and Network Meta-Analysis. Cancers, 2022, 14, 523.	3.7	4
4	Drug treatment for panic disorder with or without agoraphobia: systematic review and network meta-analysis of randomised controlled trials. BMJ, The, 2022, 376, e066084.	6.0	19
5	The Role of Epigenetic Clocks in Explaining Educational Inequalities in Mortality: A Multicohort Study and Meta-analysis. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1750-1759.	3.6	9
6	Associations of Alcohol Consumption and Smoking With Disease Risk and Neurodegeneration in Individuals With Multiple Sclerosis in the United Kingdom. JAMA Network Open, 2022, 5, e220902.	5.9	8
7	Comparative efficacy and safety of pharmacologic interventions to prevent mother-to-child transmissionÂof hepatitis B virus: a systematic reviewÂand network meta-analysis. American Journal of Obstetrics and Gynecology, 2022, 227, 163-172.	1.3	2
8	Short-term Efficacy and Safety of Biological Tear Substitutes and Topical Secretagogues for Dry Eye Disease: A Systematic Review and Network Meta-analysis. Cornea, 2022, 41, 1137-1149.	1.7	7
9	Genome-wide meta-analysis and omics integration identifies novel genes associated with diabetic kidney disease. Diabetologia, 2022, 65, 1495-1509.	6.3	16
10	Mesh-fixation technique for inguinal hernia repair: umbrella review. BJS Open, 2022, 6, .	1.7	4
11	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
12	Interventions for great saphenous vein reflux: network meta-analysis of randomized clinical trials. British Journal of Surgery, 2021, 108, 244-255.	0.3	8
13	Investigation of associations between retinal microvascular parameters and albuminuria in UK Biobank: a cross-sectional case-control study. BMC Nephrology, 2021, 22, 72.	1.8	7
14	Evaluation of the cost-utility of phosphate binders as a treatment option for hyperphosphatemia in chronic kidney disease patients: a systematic review and meta-analysis of the economic evaluations. European Journal of Health Economics, 2021, 22, 571-584.	2.8	16
15	Retinal microvascular parameters are not significantly associated with mild cognitive impairment in the Northern Ireland Cohort for the Longitudinal Study of Ageing. BMC Neurology, 2021, 21, 112.	1.8	7
16	The effects of vitamin E supplementation on malondialdehyde as a biomarker of oxidative stress in haemodialysis patients: a systematic review and meta-analysis. BMC Nephrology, 2021, 22, 126.	1.8	20
17	Prevention of venous thromboembolism in gynecological cancer patients undergoing major abdominopelvic surgery: A systematic review and network meta-analysis. Gynecologic Oncology, 2021, 161, 304-313.	1.4	8
18	Assessment of differentially methylated loci in individuals with end-stage kidney disease attributed to diabetic kidney disease: an exploratory study. Clinical Epigenetics, 2021, 13, 99.	4.1	29

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19	Association of renal impairment with cognitive dysfunction in the Northern Ireland Cohort for the Longitudinal Study of Ageing (NICOLA). Nephrology Dialysis Transplantation, 2021, 36, 1492-1499.	0.7	9
20	Dietary patterns associated with renal impairment in the Northern Ireland Cohort for the Longitudinal Study of Ageing (NICOLA). European Journal of Nutrition, 2021, 60, 4045-4054.	3.9	5
21	Quantitative Parameters from OCT Angiography in Patients with Diabetic Retinopathy and in Those with Only Peripheral Retinopathy Compared with Control Participants. Ophthalmology Science, 2021, 1, 100030.	2.5	2
22	Comparison of treatment efficacy between 100% platelet-rich plasma and 100% serum eye drops in moderate-to-severe dry eye disease: a randomised controlled trial protocol. BMJ Open, 2021, 11, e048479.	1.9	3
23	Retinal microvascular parameters are not associated with diabetes in the Northern Ireland Cohort for the Longitudinal Study of Ageing. Irish Journal of Medical Science, 2021, , 1.	1.5	0
24	Causal Associations of Urate With Cardiovascular Risk Factors: Two-Sample Mendelian Randomization. Frontiers in Genetics, 2021, 12, 687279.	2.3	8
25	Risk-benefit assessment of onlay and retrorectus mesh augmentation for incisional hernia prophylaxis: A secondary analysis from network meta-analysis. International Journal of Surgery, 2021, 92, 106053.	2.7	7
26	Midline incisional hernia prophylaxis using synthetic mesh in an emergency or urgent gastrointestinal tract surgery: a protocol for multicentre randomised clinical trial. BMJ Open, 2021, 11, e045541.	1.9	1
27	Deep-Learningâ€“Based Pre-Diagnosis Assessment Module for Retinal Photographs: A Multicenter Study. Translational Vision Science and Technology, 2021, 10, 16.	2.2	11
28	Efficacy and safety of conventional antiviral agents in preventive strategies for cytomegalovirus infection after kidney transplantation: a systematic review and network metaâ€analysis. Transplant International, 2021, 34, 2720-2734.	1.6	5
29	Association of reduced retinal arteriolar tortuosity with depression in older participants from the Northern Ireland Cohort for the Longitudinal Study of Ageing. BMC Geriatrics, 2021, 21, 62.	2.7	4
30	Association of low plasma antioxidant levels with all-cause mortality and coronary events in healthy middle-aged men from France and Northern Ireland in the PRIME study. European Journal of Nutrition, 2021, 60, 2631-2641.	3.9	14
31	Simple non-mydriatic retinal photography is feasible and demonstrates retinal microvascular dilation in Chronic Obstructive Pulmonary Disease (COPD). PLoS ONE, 2020, 15, e0227175.	2.5	5
32	Association of retinal venular tortuosity with impaired renal function in the Northern Ireland Cohort for the Longitudinal Study of Ageing. BMC Nephrology, 2020, 21, 382.	1.8	8
33	Association of reduced inner retinal thicknesses with chronic kidney disease. BMC Nephrology, 2020, 21, 37.	1.8	14
34	Association between hypertension and retinal vascular features in ultra-widefield fundus imaging. Open Heart, 2020, 7, e001124.	2.3	10
35	Evaluation of the effectiveness of behavioural economic incentive programmes for the promotion of a healthy diet and physical activity: a protocol for a systematic review and network meta-analysis. BMJ Open, 2020, 10, e046035.	1.9	2
36	Vitamin E and Alzheimerâ€™s disease: what do we know so far? . Clinical Interventions in Aging, 2019, Volume 14, 1303-1317.	2.9	74

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37	Differential Expression of Urinary Exosomal MicroRNAs miR-21-5p and miR-30b-5p in Individuals with Diabetic Kidney Disease. Scientific Reports, 2019, 9, 10900.	3.3	72
38	Genome-Wide Association Study of Diabetic Kidney Disease Highlights Biology Involved in Glomerular Basement Membrane Collagen. Journal of the American Society of Nephrology: JASN, 2019, 30, 2000-2016.	6.1	135
39	Associations with Corneal Hysteresis in a Population Cohort. Ophthalmology, 2019, 126, 1500-1510.	5.2	29
40	A multimodal approach to cardiovascular risk stratification in patients with type 2 diabetes incorporating retinal, genomic and clinical features. Scientific Reports, 2019, 9, 3591.	3.3	21
41	Serum amyloid A levels are associated with polymorphic variants in the serum amyloid A 1 and 2 genes. Irish Journal of Medical Science, 2019, 188, 1175-1183.	1.5	7
42	Cohort profile: design and methods in the eye and vision consortium of UK Biobank. BMJ Open, 2019, 9, e025077.	1.9	85
43	Serum xanthophyll carotenoids are associated with estimated glomerular filtration rate in an aged cohort. Scientific Reports, 2019, 9, 17068.	3.3	3
44	Evaluation of long-term intravitreal anti-vascular endothelial growth factor injections on renal function in patients with and without diabetic kidney disease. BMC Nephrology, 2019, 20, 478.	1.8	16
45	Dietary patterns were not associated with age-related macular degeneration: a cross-sectional analysis in the Irish Nun Eye Study. Irish Journal of Medical Science, 2019, 188, 1005-1012.	1.5	7
46	Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. Aging, 2019, 11, 2045-2070.	3.1	137
47	Plasma Antioxidant Status in Patients with Alzheimerâ€™s Disease and Cognitively Intact Elderly: A Meta-Analysis of Case-Control Studies. Journal of Alzheimer's Disease, 2018, 62, 305-317.	2.6	46
48	Retinal microvascular parameters are not associated with reduced renal function in a study of individuals with type 2 diabetes. Scientific Reports, 2018, 8, 3931.	3.3	21
49	Dietary Patterns and Retinal Vessel Caliber in the Irish Nun Eye Study. Journal of Nutrition, Health and Aging, 2018, 22, 751-758.	3.3	4
50	Dietary patterns and chronic kidney disease: a cross-sectional association in the Irish Nun Eye Study. Scientific Reports, 2018, 8, 6654.	3.3	17
51	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. Diabetes, 2018, 67, 1414-1427.	0.6	136
52	Evaluation of coronary artery disease as a risk factor for reticular pseudodrusen. British Journal of Ophthalmology, 2018, 102, 483-489.	3.9	13
53	Validation of differentially methylated microRNAs identified from an epigenome-wide association study; Sanger and next generation sequencing approaches. BMC Research Notes, 2018, 11, 767.	1.4	11
54	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. Nature Genetics, 2018, 50, 834-848.	21.4	239

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55	Retinal Thickness Is Not Associated with Renal Function in Diabetes. Diabetes, 2018, 67, .	0.6	0
56	Association Between Myopia, Ultraviolet B Radiation Exposure, Serum Vitamin D Concentrations, and Genetic Polymorphisms in Vitamin D Metabolic Pathways in a Multicountry European Study. JAMA Ophthalmology, 2017, 135, 47.	2.5	62
57	Estimated Glomerular Filtration Rate is not Associated with Alzheimerâ€™s Disease in a Northern Ireland Cohort. Journal of Alzheimer's Disease, 2017, 60, 1379-1385.	2.6	6
58	Retinal Biomarker Discovery for Dementia in an Elderly Diabetic Population. Lecture Notes in Computer Science, 2017, , 150-158.	1.3	1
59	Serum concentrations of vitamin E and carotenoids are altered in Alzheimer's disease: A caseâ€control study. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2017, 3, 432-439.	3.7	58
60	Associations between Serum Vitamin D and Genetic Variants in Vitamin D Pathways and Age-Related Macular Degeneration in the European Eye Study. Ophthalmology, 2017, 124, 90-96.	5.2	19
61	Automated quantification of retinal vessel morphometry in the UK biobank cohort. , 2017, , .		12
62	Type 2 Diabetes in Young Females Results in Increased Serum Amyloid A and Changes to Features of High Density Lipoproteins in Both HDL₂ and HDL₃. Journal of Diabetes Research, 2017, 2017, 1-9.	2.3	22
63	Treatment effects of renin-angiotensin aldosterone system blockade on kidney failure and mortality in chronic kidney disease patients. BMC Nephrology, 2017, 18, 342.	1.8	27
64	Bioinformatic Evaluation of Transcriptional Regulation of WNT Pathway Genes with reference to Diabetic Nephropathy. Journal of Diabetes Research, 2016, 2016, 1-9.	2.3	9
65	Diabetic Microvascular Complications: Novel Risk Factors, Biomarkers, and Risk Prediction Models. Journal of Diabetes Research, 2016, 2016, 1-2.	2.3	4
66	Wnt6 regulates epithelial cell differentiation and is dysregulated in renal fibrosis. American Journal of Physiology - Renal Physiology, 2016, 311, F35-F45.	2.7	21
67	Minor allele frequency of myeloproliferative neoplasm mutations in the Irish blood donor population. Hematological Oncology, 2016, 34, 161-164.	1.7	0
68	Overview of Intersection of Genomics of Cardiometabolic Disease and Other Disease States, Such as Eye Health (MacularÂDegeneration). , 2016, , 283-305.		0
69	Automated retinal image quality assessment on the UK Biobank dataset for epidemiological studies. Computers in Biology and Medicine, 2016, 71, 67-76.	7.0	55
70	Serum- and HDL3-serum amyloid A and HDL3-LCAT activity are influenced by increased CVD-burden. Atherosclerosis, 2016, 244, 172-178.	0.8	10
71	The progress in understanding and treatment of diabetic retinopathy. Progress in Retinal and Eye Research, 2016, 51, 156-186.	15.5	730
72	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328

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73	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	27.8	3,823
74	A Candidate Gene Association Study Identifies DAPL1 as a Female-Specific Susceptibility Locus for Age-Related Macular Degeneration (AMD). NeuroMolecular Medicine, 2015, 17, 111-120.	3.4	30
75	Age-Related Macular Degenerationâ€"Associated Genes in Alzheimer Disease. American Journal of Geriatric Psychiatry, 2015, 23, 1290-1296.	1.2	16
76	Retinal Vascular Caliber, Iris Color, and Age-Related Macular Degeneration in the Irish Nun Eye Study. Investigative Ophthalmology and Visual Science, 2015, 56, 382-387.	3.3	10
77	Retinal microvascular network attenuation in Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2015, 1, 229-235.	2.4	122
78	Evaluation of the Retinal Vasculature in Hypertension and Chronic Kidney Disease in an Elderly Population of Irish Nuns. PLoS ONE, 2015, 10, e0136434.	2.5	25
79	DNA hypermethylation and DNA hypomethylation is present at different loci in chronic kidney disease. Epigenetics, 2014, 9, 366-376.	2.7	133
80	Genetic and Epigenetic Risk Factors for Diabetic Kidney Disease. Advances in Chronic Kidney Disease, 2014, 21, 287-296.	1.4	30
81	Complement inhibitors for age-related macular degeneration. The Cochrane Library, 2014, , CD009300.	2.8	16
82	Haplotype association analysis of genes within the WNT signalling pathways in diabetic nephropathy. BMC Nephrology, 2013, 14, 126.	1.8	11
83	TGFÎ² and CCN2/CTGF mediate actin related gene expression by differential E2F1/CREB activation. BMC Genomics, 2013, 14, 525.	2.8	14
84	Investigation of Genetic Variation in Scavenger Receptor Class B, Member 1 (SCARB1) and Association with Serum Carotenoids. Ophthalmology, 2013, 120, 1632-1640.	5.2	27
85	ARMS2 Increases the Risk of Early and Late Age-related Macular Degeneration in the European Eye Study. Ophthalmology, 2013, 120, 342-348.	5.2	36
86	Chromosome 2q31.1 Associates with ESRD in Women with Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2013, 24, 1537-1543.	6.1	66
87	Five Authors Reply. American Journal of Epidemiology, 2013, 177, 1024-1025.	3.4	0
88	Association Analysis of Dyslipidemia-Related Genes in Diabetic Nephropathy. PLoS ONE, 2013, 8, e58472.	2.5	19
89	New Susceptibility Loci Associated with Kidney Disease in Type 1 Diabetes. PLoS Genetics, 2012, 8, e1002921.	3.5	216
90	The Association Between Complement Component 2/Complement Factor B Polymorphisms and Age-related Macular Degeneration: A HuGE Review and Meta-Analysis. American Journal of Epidemiology, 2012, 176, 361-372.	3.4	54

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91	GENOTYPEâ€“PHENOTYPE ASSOCIATIONS IN NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. Retina, 2012, 32, 1950-1958.	1.7	7
92	Association Testing of Previously Reported Variants in a Large Case-Control Meta-analysis of Diabetic Nephropathy. Diabetes, 2012, 61, 2187-2194.	0.6	77
93	The association between macular pigment optical density and CFH, ARMS2, C2/BF, and C3 genotype. Experimental Eye Research, 2011, 93, 592-598.	2.6	15
94	Association Analysis of Canonical Wnt Signalling Genes in Diabetic Nephropathy. PLoS ONE, 2011, 6, e23904.	2.5	11
95	Association analysis of Notch pathway signalling genes in diabetic nephropathy. Diabetologia, 2011, 54, 334-338.	6.3	14
96	Evidence of association ofAPOEwith age-related macular degeneration - a pooled analysis of 15 studies. Human Mutation, 2011, 32, 1407-1416.	2.5	130
97	Variations in Apolipoprotein E Frequency With Age in a Pooled Analysis of a Large Group of Older People. American Journal of Epidemiology, 2011, 173, 1357-1364.	3.4	85
98	Systematic Review and Meta-Analysis of the Association Between Complement Component 3 and Age-related Macular Degeneration: A HuGE Review and Meta-Analysis. American Journal of Epidemiology, 2011, 173, 1365-1379.	3.4	126
99	Apolipoprotein E Genotype Is Associated with Macular Pigment Optical Density. , 2010, 51, 2636.		37
100	Development of a Diagnostic Genetic Test for Simplex and Autosomal Recessive Retinitis Pigmentosa. Ophthalmology, 2010, 117, 2169-2177.e3.	5.2	42
101	Complement component 3: an assessment of association with AMD and analysis of gene-gene and gene-environment interactions in a Northern Irish cohort. Molecular Vision, 2010, 16, 194-9.	1.1	27
102	Further Assessment of the Complement Component 2 and Factor B Region Associated with Age-Related Macular Degeneration. , 2009, 50, 533.		58
103	VEGF and Age-related Macular Degeneration. Ophthalmology, 2009, 116, 1227-1227.e3.	5.2	17
104	Prediction and Verification of miRNA Expression in Human and Rat Retinas. , 2007, 48, 3962.		79
105	A PCR-based method to characterise and identify benzimidazole resistance in Helminthosporium solani1. FEMS Microbiology Letters, 2006, 152, 371-378.	1.8	14
106	Development of a genotyping microarray for Usher syndrome. Journal of Medical Genetics, 2006, 44, 153-160.	3.2	94
107	Pigmented Paravenous Chorioretinal Atrophy Is Associated with a Mutation within the Crumbs Homolog 1 (CRB1) Gene. , 2005, 46, 322.		93
108	Preparation of planar retinal specimens: verification by histology, mRNA profiling, and proteome analysis. Molecular Vision, 2004, 10, 240-7.	1.1	7

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109	A novel diagnostic test detects a low frequency of the hemicentin Gln5345Arg variant among Northern Irish age related macular degeneration patients. Molecular Vision, 2004, 10, 682-7.	1.1	12
110	Molecular comparison of Scytalidium thermophilum isolates using RAPD and ITS nucleotide sequence analyses. Mycological Research, 2000, 104, 1431-1438.	2.5	9
111	Molecular Characterisation of Alternaria linicola and its Detection in Linseed. European Journal of Plant Pathology, 1999, 105, 157-166.	1.7	30
112	Genetic and Morphological Characterization of Cladobotryum Species Causing Cobweb Disease of Mushrooms. Applied and Environmental Microbiology, 1999, 65, 606-610.	3.1	43
113	Identification of benzimidazole resistance in Cladobotryum dendroides using a PCR-based method. Mycological Research, 1998, 102, 671-676.	2.5	65
114	A PCR-based method to distinguish fungi of the rice sheath-blight complex, Rhizoctonia solani, R. oryzae and R. oryzae-sativae. FEMS Microbiology Letters, 1998, 162, 289-294.	1.8	10
115	A PCR-based method to characterise and identify benzimidazole resistance in Helminthosporium solani. FEMS Microbiology Letters, 1997, 152, 371-378.	1.8	36