John Danesh

List of Publications by Citations

143 papers	35,479 citations	66 h-index	163 g-index
163 ext. papers	46,799 ext. citations	20.9 avg, IF	5.84 L-index

#	Paper	IF	Citations
143	Analysis of protein-coding genetic variation in 60,706 humans. *Nature*, **2016**, 536, 285-91	50.4	6940
142	Genetic studies of body mass index yield new insights for obesity biology. *Nature*, **2015**, 518, 197-206	50.4	2687
141	C-reactive protein and other circulating markers of inflammation in the prediction of coronary heart disease. *New England Journal of Medicine*, **2004**, 350, 1387-97	59.2	2317
140	Discovery and refinement of loci associated with lipid levels. *Nature Genetics*, **2013**, 45, 1274-1283	36.3	1904
139	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. *Nature Genetics*, **2012**, 44, 981-90	36.3	1482
138	Defining the role of common variation in the genomic and biological architecture of adult human height. *Nature Genetics*, **2014**, 46, 1173-86	36.3	1339
137	A comprehensive 1,000 Genomes-based genome-wide association meta-analysis of coronary artery disease. *Nature Genetics*, **2015**, 47, 1121-1130	36.3	1290
136	Interpretation of the evidence for the efficacy and safety of statin therapy. *Lancet, The*, **2016**, 388, 2532-2561	47	961
135	New genetic loci link adipose and insulin biology to body fat distribution. *Nature*, **2015**, 518, 187-196	50.4	920
134	The genetic architecture of type 2 diabetes. *Nature*, **2016**, 536, 41-47	50.4	704
133	The Allelic Landscape of Human Blood Cell Trait Variation and Links to Common Complex Disease. *Cell*, **2016**, 167, 1415-1429.e19	56.2	637
132	Common variants associated with plasma triglycerides and risk for coronary artery disease. *Nature Genetics*, **2013**, 45, 1345-52	36.3	597
131	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. *Nature Genetics*, **2018**, 50, 524-537	36.3	536
130	Risk thresholds for alcohol consumption: combined analysis of individual-participant data for 599 912 current drinkers in 83 prospective studies. *Lancet, The*, **2018**, 391, 1513-1523	40	530
129	Genomic atlas of the human plasma proteome. *Nature*, **2018**, 558, 73-79	50.4	529
128	Long-term interleukin-6 levels and subsequent risk of coronary heart disease: two new prospective studies and a systematic review. *PLoS Medicine*, **2008**, 5, e78	11.6	480
127	Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction. *Nature*, **2015**, 518, 102-6	50.4	463

126	Diagnostic Yield and Clinical Utility of Sequencing Familial Hypercholesterolemia Genes in Patients With Severe Hypercholesterolemia. *Journal of the American College of Cardiology*, **2016**, 67, 2578-89	15.1	458
125	PhenoScanner: a database of human genotype-phenotype associations. *Bioinformatics*, **2016**, 32, 3207-3209	7.2	430
124	Rare and low-frequency coding variants alter human adult height. *Nature*, **2017**, 542, 186-190	50.4	412
123	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. *Nature Genetics*, **2018**, 50, 1412-1425	36.3	386
122	Association of cholesteryl ester transfer protein genotypes with CETP mass and activity, lipid levels, and coronary risk. *JAMA - Journal of the American Medical Association*, **2008**, 299, 2777-88	27.4	385
121	Association analyses based on false discovery rate implicate new loci for coronary artery disease. *Nature Genetics*, **2017**, 49, 1385-1391	36.3	361
120	Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. *Science*, **2016**, 351, 1166-71	33.3	325
119	Exome-wide association study of plasma lipids in >300,000 individuals. *Nature Genetics*, **2017**, 49, 1758-1766	36.3	310
118	Inactivating mutations in NPC1L1 and protection from coronary heart disease. *New England Journal of Medicine*, **2014**, 371, 2072-82	59.2	307
117	Genomic Risk Prediction of Coronary Artery Disease in 480,000 Adults: Implications for Primary Prevention. *Journal of the American College of Cardiology*, **2018**, 72, 1883-1893	15.1	285
116	Association of Triglyceride-Lowering LPL Variants and LDL-C-Lowering LDLR Variants With Risk of Coronary Heart Disease. *JAMA - Journal of the American Medical Association*, **2019**, 321, 364-373	27.4	263
115	PhenoScanner V2: an expanded tool for searching human genotype-phenotype associations. *Bioinformatics*, **2019**, 35, 4851-4853	7.2	260
114	Genetics of blood lipids among ~300,000 multi-ethnic participants of the Million Veteran Program. *Nature Genetics*, **2018**, 50, 1514-1523	36.3	260
113	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nature Genetics*, **2016**, 48, 1171-1184	36.3	251
112	Association of LPA Variants With Risk of Coronary Disease and the Implications for Lipoprotein(a)-Lowering Therapies: A Mendelian Randomization Analysis. *JAMA Cardiology*, **2018**, 3, 619-627	16.2	235
111	ANGPTL3 Deficiency and Protection Against Coronary Artery Disease. *Journal of the American College of Cardiology*, **2017**, 69, 2054-2063	15.1	226
110	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. *Nature Genetics*, **2015**, 47, 1282-1293	36.3	223
109	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. *Nature Genetics*, **2018**, 50, 559-571	36.3	221

108	A catalog of genetic loci associated with kidney function from analyses of a million individuals. *Nature Genetics*, **2019**, 51, 957-972	36.3	217
107	Human knockouts and phenotypic analysis in a cohort with a high rate of consanguinity. *Nature*, **2017**, 544, 235-239	50.4	208
106	Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms. *Nature Genetics*, **2017**, 49, 1113-1119	36.3	184
105	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. *Nature Genetics*, **2016**, 48, 1151-1161	36.3	181
104	Genome-wide association study in 79,366 European-ancestry individuals informs the genetic architecture of 25-hydroxyvitamin D levels. *Nature Communications*, **2018**, 9, 260	17.4	174
103	Association of Genetic Variants Related to CETP Inhibitors and Statins With Lipoprotein Levels and Cardiovascular Risk. *JAMA - Journal of the American Medical Association*, **2017**, 318, 947-956	27.4	169
102	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. *Molecular Psychiatry*, **2015**, 20, 647-656	15.1	167
101	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. *Nature Genetics*, **2019**, 51, 481-493	36.3	156
100	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With Coronary Artery Disease. *Journal of the American College of Cardiology*, **2017**, 69, 823-836	15.1	146
99	Separate and combined associations of obesity and metabolic health with coronary heart disease: a pan-European case-cohort analysis. *European Heart Journal*, **2018**, 39, 397-406	9.5	146
98	Discovery of 318 new risk loci for type 2 diabetes and related vascular outcomes among 1.4 million participants in a multi-ancestry meta-analysis. *Nature Genetics*, **2020**, 52, 680-691	36.3	140
97	Efficiency and safety of varying the frequency of whole blood donation (INTERVAL): a randomised trial of 45 000 donors. *Lancet, The*, **2017**, 390, 2360-2371	40	140
96	Identification of new susceptibility loci for type 2 diabetes and shared etiological pathways with coronary heart disease. *Nature Genetics*, **2017**, 49, 1450-1457	36.3	136
95	Phenotypic Characterization of Genetically Lowered Human Lipoprotein(a) Levels. *Journal of the American College of Cardiology*, **2016**, 68, 2761-2772	15.1	127
94	Identification of novel risk loci for restless legs syndrome in genome-wide association studies in individuals of European ancestry: a meta-analysis. *Lancet Neurology, The*, **2017**, 16, 898-907	24.1	121
93	Mendelian Randomization Study of and Cardiovascular Disease. *New England Journal of Medicine*, **2019**, 380, 1033-1042	59.2	116
92	Apolipoprotein(a) isoform size, lipoprotein(a) concentration, and coronary artery disease: a mendelian randomisation analysis. *Lancet Diabetes and Endocrinology,the*, **2017**, 5, 524-533	18.1	111
91	Genome-wide mapping of plasma protein QTLs identifies putatively causal genes and pathways for cardiovascular disease. *Nature Communications*, **2018**, 9, 3268	17.4	111

90	Association of Rare and Common Variation in the Lipoprotein Lipase Gene With Coronary Artery Disease. *JAMA - Journal of the American Medical Association*, **2017**, 317, 937-946	27.4	109
89	Big data from electronic health records for early and late translational cardiovascular research: challenges and potential. *European Heart Journal*, **2018**, 39, 1481-1495	9.5	106
88	Cardiovascular Risk Factors Associated With Venous Thromboembolism. *JAMA Cardiology*, **2019**, 4, 163-173	16.2	102
87	Causal Assessment of Serum Urate Levels in Cardiometabolic Diseases Through a Mendelian Randomization Study. *Journal of the American College of Cardiology*, **2016**, 67, 407-416	15.1	101
86	Genome-wide association studies in the Japanese population identify seven novel loci for type 2 diabetes. *Nature Communications*, **2016**, 7, 10531	17.4	99
85	The Polygenic and Monogenic Basis of Blood Traits and Diseases. *Cell*, **2020**, 182, 1214-1231.e11	56.2	96
84	Trans-ethnic and Ancestry-Specific Blood-Cell Genetics in 746,667 Individuals from 5 Global Populations. *Cell*, **2020**, 182, 1198-1213.e14	56.2	88
83	Association of Genetic Variants Related to Combined Exposure to Lower Low-Density Lipoproteins and Lower Systolic Blood Pressure With Lifetime Risk of Cardiovascular Disease. *JAMA - Journal of the American Medical Association*, **2019**, 322, 1381-1391	27.4	79
82	A genomic approach to therapeutic target validation identifies a glucose-lowering GLP1R variant protective for coronary heart disease. *Science Translational Medicine*, **2016**, 8, 341ra76	17.5	77
81	The INTERVAL trial to determine whether intervals between blood donations can be safely and acceptably decreased to optimise blood supply: study protocol for a randomised controlled trial. *Trials*, **2014**, 15, 363	2.8	75
80	Phenome-wide Mendelian randomization mapping the influence of the plasma proteome on complex diseases. *Nature Genetics*, **2020**, 52, 1122-1131	36.3	75
79	EPIC-Heart: the cardiovascular component of a prospective study of nutritional, lifestyle and biological factors in 520,000 middle-aged participants from 10 European countries. *European Journal of Epidemiology*, **2007**, 22, 129-41	12.1	69
78	The Pakistan Risk of Myocardial Infarction Study: a resource for the study of genetic, lifestyle and other determinants of myocardial infarction in South Asia. *European Journal of Epidemiology*, **2009**, 24, 329-38	12.1	67
77	Genome-wide association study for circulating levels of PAI-1 provides novel insights into its regulation. *Blood*, **2012**, 120, 4873-81	2.2	65
76	The Polygenic Score Catalog as an open database for reproducibility and systematic evaluation. *Nature Genetics*, **2021**, 53, 420-425	36.3	58
75	Analysis of predicted loss-of-function variants in UK Biobank identifies variants protective for disease. *Nature Communications*, **2018**, 9, 1613	17.4	55
74	Genomic risk score offers predictive performance comparable to clinical risk factors for ischaemic stroke. *Nature Communications*, **2019**, 10, 5819	17.4	54
73	Phenotypic Consequences of a Genetic Predisposition to Enhanced Nitric Oxide Signaling. *Circulation*, **2018**, 137, 222-232	16.7	53

72	Consumption of Meat, Fish, Dairy Products, and Eggs and Risk of Ischemic Heart Disease. *Circulation* , **2019**, 139, 2835-2845	16.7	52
71	Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. *European Heart Journal*, **2019**, 40, 621-631	9.5	52
70	A missense variant in Mitochondrial Amidoxime Reducing Component 1 gene and protection against liver disease. *PLoS Genetics*, **2020**, 16, e1008629	6	49
69	Association of Multiple Biomarkers of Iron Metabolism and Type 2 Diabetes: The EPIC-InterAct Study. *Diabetes Care*, **2016**, 39, 572-81	14.6	48
68	Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. *Molecular Psychiatry*, **2020**, 25, 2392-2409	15.1	45
67	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. *Nature Genetics*, **2019**, 51, 452-469	36.3	44
66	Alcohol intake in relation to non-fatal and fatal coronary heart disease and stroke: EPIC-CVD case-cohort study. *BMJ, The*, **2018**, 361, k934	5.9	44
65	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. *Nature Communications*, **2019**, 10, 4130	17.4	43
64	Lifestyle factors and risk of multimorbidity of cancer and cardiometabolic diseases: a multinational cohort study. *BMC Medicine*, **2020**, 18, 5	11.4	43
63	Genome-wide Association Analysis in Humans Links Nucleotide Metabolism to Leukocyte Telomere Length. *American Journal of Human Genetics*, **2020**, 106, 389-404	11	40
62	Genome-Wide Association Analysis of Young-Onset Stroke Identifies a Locus on Chromosome 10q25 Near HABP2. *Stroke*, **2016**, 47, 307-16	6.7	39
61	Parity, breastfeeding and risk of coronary heart disease: A pan-European case-cohort study. *European Journal of Preventive Cardiology*, **2016**, 23, 1755-1765	3.9	39
60	An Unbiased Lipid Phenotyping Approach To Study the Genetic Determinants of Lipids and Their Association with Coronary Heart Disease Risk Factors. *Journal of Proteome Research*, **2019**, 18, 2397-2410	5.6	38
59	Assessing the causal association of glycine with risk of cardio-metabolic diseases. *Nature Communications*, **2019**, 10, 1060	17.4	38
58	Metabolomic Consequences of Genetic Inhibition of PCSK9 Compared With Statin Treatment. *Circulation*, **2018**, 138, 2499-2512	16.7	36
57	Formalising recall by genotype as an efficient approach to detailed phenotyping and causal inference. *Nature Communications*, **2018**, 9, 711	17.4	35
56	Automated typing of red blood cell and platelet antigens: a whole-genome sequencing study. *Lancet Haematology,the*, **2018**, 5, e241-e251	14.6	35
55	Association Between Depressive Symptoms and Incident Cardiovascular Diseases. *JAMA - Journal of the American Medical Association*, **2020**, 324, 2396-2405	27.4	35

54	Rare Protein-Truncating Variants in APOB, Lower Low-Density Lipoprotein Cholesterol, and Protection Against Coronary Heart Disease. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002376	5.2	30
53	Platelet function is modified by common sequence variation in megakaryocyte super enhancers. *Nature Communications*, **2017**, 8, 16058	17.4	30
52	Polygenic risk scores in cardiovascular risk prediction: A cohort study and modelling analyses. *PLoS Medicine*, **2021**, 18, e1003498	11.6	27
51	Genetic Risk Score for Coronary Disease Identifies Predispositions to Cardiovascular and Noncardiovascular Diseases. *Journal of the American College of Cardiology*, **2019**, 73, 2932-2942	15.1	26
50	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nature Genetics*, **2020**, 52, 1314-1332	36.3	26
49	Interleukin-6 Receptor Signaling and Abdominal Aortic Aneurysm Growth Rates. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002413	5.2	25
48	Association of plasma biomarkers of fruit and vegetable intake with incident type 2 diabetes: EPIC-InterAct case-cohort study in eight European countries. *BMJ, The*, **2020**, 370, m2194	5.9	24
47	Neutrophil-mediated IL-6 receptor trans-signaling and the risk of chronic obstructive pulmonary disease and asthma. *Human Molecular Genetics*, **2017**, 26, 1584-1596	5.6	24
46	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. *Scientific Data*, **2017**, 4, 170179	8.2	22
45	Validation of a Genome-Wide Polygenic Score for Coronary Artery Disease in South Asians. *Journal of the American College of Cardiology*, **2020**, 76, 703-714	15.1	22
44	Heterozygous Gene Deficiency and Risk of Coronary Artery Disease. *Circulation Genomic and Precision Medicine*, **2020**, 13, 417-423	5.2	21
43	Plasma Vitamin C and Type 2 Diabetes: Genome-Wide Association Study and Mendelian Randomization Analysis in European Populations. *Diabetes Care*, **2021**, 44, 98-106	14.6	21
42	Genetically modulated educational attainment and coronary disease risk. *European Heart Journal*, **2019**, 40, 2413-2420	9.5	20
41	Antibiotics in the prevention of heart attacks. *Lancet, The*, **2005**, 365, 365-7	40	20
40	Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19. *Nature Medicine*, **2021**, 27, 668-676	50.5	19
39	Cohort-wide deep whole genome sequencing and the allelic architecture of complex traits. *Nature Communications*, **2018**, 9, 4674	17.4	19
38	A cross-platform approach identifies genetic regulators of human metabolism and health. *Nature Genetics*, **2021**, 53, 54-64	36.3	18
37	Association of Plasma Vitamin D Metabolites With Incident Type 2 Diabetes: EPIC-InterAct Case-Cohort Study. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 1293-1303	5.6	17

36	Genetic invalidation of Lp-PLA as a therapeutic target: Large-scale study of five functional Lp-PLA-lowering alleles. *European Journal of Preventive Cardiology*, **2017**, 24, 492-504	3.9	16
35	The Bangladesh Risk of Acute Vascular Events (BRAVE) Study: objectives and design. *European Journal of Epidemiology*, **2015**, 30, 577-87	12.1	16
34	The association between circulating 25-hydroxyvitamin D metabolites and type 2 diabetes in European populations: A meta-analysis and Mendelian randomisation analysis. *PLoS Medicine*, **2020**, 17, e1003394	11.6	15
33	Lipoprotein signatures of cholesteryl ester transfer protein and HMG-CoA reductase inhibition. *PLoS Biology*, **2019**, 17, e3000572	9.7	15
32	Recruitment and representativeness of blood donors in the INTERVAL randomised trial assessing varying inter-donation intervals. *Trials*, **2016**, 17, 458	2.8	14
31	DNA Sequence Variation in Encoding the Activin Receptor-Like Kinase 7 Influences Body Fat Distribution and Protects Against Type 2 Diabetes. *Diabetes*, **2019**, 68, 226-234	0.9	12
30	Metabolic profiling of angiopoietin-like protein 3 and 4 inhibition: a drug-target Mendelian randomization analysis. *European Heart Journal*, **2021**, 42, 1160-1169	9.5	11
29	Glycemic index, glycemic load, and risk of coronary heart disease: a pan-European cohort study. *American Journal of Clinical Nutrition*, **2020**, 112, 631-643	7	10
28	Longer-term efficiency and safety of increasing the frequency of whole blood donation (INTERVAL): extension study of a randomised trial of 20 757 blood donors. *Lancet Haematology,the*, **2019**, 6, e510-e520	14.6	10
27	Information and Risk Modification Trial (INFORM): design of a randomised controlled trial of communicating different types of information about coronary heart disease risk, alongside lifestyle advice, to achieve change in health-related behaviour. *BMC Public Health*, **2015**, 15, 868	4.1	9
26	Development and validation of a universal blood donor genotyping platform: a multinational prospective study. *Blood Advances*, **2020**, 4, 3495-3506	7.8	7
25	Integrative analysis of the plasma proteome and polygenic risk of cardiometabolic diseases. *Nature Metabolism*, **2021**, 3, 1476-1483	14.6	6
24	ACE inhibition and cardiometabolic risk factors, lung and gene expression, and plasma ACE2 levels: a Mendelian randomization study. *Royal Society Open Science*, **2020**, 7, 200958	3.3	6
23	Comparison of four methods to measure haemoglobin concentrations in whole blood donors (COMPARE): A diagnostic accuracy study. *Transfusion Medicine*, **2021**, 31, 94-103	1.3	5
22	Plant foods, dietary fibre and risk of ischaemic heart disease in the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort. *International Journal of Epidemiology*, **2021**, 50, 212-222	7.8	5
21	Mitochondrial DNA variants modulate N-formylmethionine, proteostasis and risk of late-onset human diseases. *Nature Medicine*, **2021**, 27, 1564-1575	50.5	4
20	Commentary on "A meta-analysis but not a systematic review: an evaluation of the Global BMI Mortality Collaboration". *Journal of Clinical Epidemiology*, **2017**, 88, 30-32	5.7	3
19	The Polygenic and Monogenic Basis of Blood Traits and Diseases		3

18	Genome-wide analysis of blood lipid metabolites in over 5000 South Asians reveals biological insights at cardiometabolic disease loci. *BMC Medicine*, **2021**, 19, 232	11.4	3
17	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential.. *Science Advances*, **2022**, 8, eabl6579	14.3	3
16	Body-mass index and all-cause mortality - AuthorsSreply. *Lancet, The*, **2017**, 389, 2285-2286	40	2
15	Metabolic mediators of body-mass index and cardiovascular risk. *Lancet, The*, **2014**, 383, 2042-2043	40	2
14	Validation of self-administered nasal swabs and postage for the isolation of Staphylococcus aureus. *Journal of Medical Microbiology*, **2016**, 65, 1434-1437	3.2	2
13	Elucidating mechanisms of genetic cross-disease associations: an integrative approach implicates protein C as a causal pathway in arterial and venous diseases		2
12	Accuracy of four lateral flow immunoassays for anti SARS-CoV-2 antibodies: a head-to-head comparative study. *EBioMedicine*, **2021**, 68, 103414	8.8	2
11	Risk thresholds for alcohol consumption - AuthorsSreply. *Lancet, The*, **2018**, 392, 2167-2168	40	2
10	Risk factors and prediction models for incident heart failure with reduced and preserved ejection fraction. *ESC Heart Failure*, **2021**,	3.7	2
9	Machine learning optimized polygenic scores for blood cell traits identify sex-specific trajectories and genetic correlations with disease.. *Cell Genomics*, **2022**, 2, None		1
8	Investigating Genetic and Other Determinants of First-Onset Myocardial Infarction in Malaysia: Protocol for the Malaysian Acute Vascular Events Risk Study.. *JMIR Research Protocols*, **2022**, 11, e31885	2	1
7	Cohort-wide deep whole genome sequencing and the allelic architecture of complex traits		1
6	Genome-wide analysis of blood lipid metabolites in over 5,000 South Asians reveals biological insights at cardiometabolic disease loci		1
5	Lipoprotein Signatures of Cholesteryl Ester Transfer Protein and HMG-CoA Reductase Inhibition		1
4	Insights into the genetic architecture of haematological traits from deep phenotyping and whole-genome sequencing for two Mediterranean isolated populations.. *Scientific Reports*, **2022**, 12, 1131	4.9	0
3	Elucidating mechanisms of genetic cross-disease associations at the PROCR vascular disease locus.. *Nature Communications*, **2022**, 13, 1222	17.4	0
2	Analyzing human knockouts to validate GPR151 as a therapeutic target for reduction of body mass index.. *PLoS Genetics*, **2022**, 18, e1010093	6	0
1	Lessons from the INTERVAL study - AuthorsSreply. *Lancet, The*, **2018**, 391, 2606	40	