

Timothy D Spector

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

892
papers

108,853
citations

168
h-index

303
g-index

970
ext. papers

135,808
ext. citations

11.8
avg, IF

7.6
L-index

#	Paper	IF	Citations
892	Biological, clinical and population relevance of 95 loci for blood lipids. <i>Nature</i> , 2010 , 466, 707-13	50.4	2742
891	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015 , 518, 197-206	50.4	2687
890	Epigenetic differences arise during the lifetime of monozygotic twins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10604-9	11.5	2645
889	The mutational constraint spectrum quantified from variation in 141,456 humans. <i>Nature</i> , 2020 , 581, 434-443	50.4	2278
888	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , 2010 , 42, 937-48	36.3	2267
887	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , 2013 , 45, 1274-1283	36.3	1904
886	Human genetics shape the gut microbiome. <i>Cell</i> , 2014 , 159, 789-99	56.2	1750
885	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010 , 467, 832-8	50.4	1514
884	Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. <i>Nature Genetics</i> , 2009 , 41, 25-34	36.3	1368
883	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , 2014 , 46, 1173-86	36.3	1339
882	The effects of strontium ranelate on the risk of vertebral fracture in women with postmenopausal osteoporosis. <i>New England Journal of Medicine</i> , 2004 , 350, 459-68	59.2	1239
881	Common genetic determinants of vitamin D insufficiency: a genome-wide association study. <i>Lancet, The</i> , 2010 , 376, 180-8	40	1183
880	Genome-wide association study identifies eight loci associated with blood pressure. <i>Nature Genetics</i> , 2009 , 41, 666-76	36.3	970
879	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015 , 518, 187-196	50.4	920
878	Risk of COVID-19 among front-line health-care workers and the general community: a prospective cohort study. <i>Lancet Public Health, The</i> , 2020 , 5, e475-e483	22.4	899
877	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. <i>Nature Genetics</i> , 2012 , 44, 491-501	36.3	866
876	Genome-wide association study identifies 74 loci associated with educational attainment. <i>Nature</i> , 2016 , 533, 539-42	50.4	850

875	The UK10K project identifies rare variants in health and disease. <i>Nature</i> , 2015 , 526, 82-90	50.4	776
874	Real-time tracking of self-reported symptoms to predict potential COVID-19. <i>Nature Medicine</i> , 2020 , 26, 1037-1040	50.5	750
873	Human metabolic individuality in biomedical and pharmaceutical research. <i>Nature</i> , 2011 , 477, 54-60	50.4	728
872	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. <i>Nature Genetics</i> , 2010 , 42, 949-60	36.3	724
871	Loci influencing lipid levels and coronary heart disease risk in 16 European population cohorts. <i>Nature Genetics</i> , 2009 , 41, 47-55	36.3	708
870	The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016 , 536, 41-47	50.4	704
869	An atlas of genetic influences on human blood metabolites. <i>Nature Genetics</i> , 2014 , 46, 543-550	36.3	695
868	Identification of seven loci affecting mean telomere length and their association with disease. <i>Nature Genetics</i> , 2013 , 45, 422-7, 427e1-2	36.3	624
867	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , 2012 , 44, 991-1005	36.3	621
866	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. <i>Nature Genetics</i> , 2016 , 48, 624-33	36.3	602
865	Role of the gut microbiota in nutrition and health. <i>BMJ, The</i> , 2018 , 361, k2179	5.9	597
864	Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , 2013 , 45, 1345-52	36.3	597
863	Causal relationship between obesity and vitamin D status: bi-directional Mendelian randomization analysis of multiple cohorts. <i>PLoS Medicine</i> , 2013 , 10, e1001383	11.6	592
862	Variants in MTNR1B influence fasting glucose levels. <i>Nature Genetics</i> , 2009 , 41, 77-81	36.3	584
861	Sequence variants at CHRN3-CHRNA6 and CYP2A6 affect smoking behavior. <i>Nature Genetics</i> , 2010 , 42, 448-53	36.3	582
860	Mapping cis- and trans-regulatory effects across multiple tissues in twins. <i>Nature Genetics</i> , 2012 , 44, 1084-93	36.3	572
859	DNA methylation and body-mass index: a genome-wide analysis. <i>Lancet, The</i> , 2014 , 383, 1990-8	40	569
858	Human aging-associated DNA hypermethylation occurs preferentially at bivalent chromatin domains. <i>Genome Research</i> , 2010 , 20, 434-9	9.7	547

857	Genetic Determinants of the Gut Microbiome in UK Twins. <i>Cell Host and Microbe</i> , 2016 , 19, 731-43	23.4	547
856	DNA methylation-based measures of biological age: meta-analysis predicting time to death. <i>Aging</i> , 2016 , 8, 1844-1865	5.6	531
855	A genome-wide perspective of genetic variation in human metabolism. <i>Nature Genetics</i> , 2010 , 42, 137-41	36.3	515
854	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , 2017 , 541, 81-86	50.4	511
853	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. <i>Nature Genetics</i> , 2013 , 45, 145-54	36.3	505
852	Epigenome-wide scans identify differentially methylated regions for age and age-related phenotypes in a healthy ageing population. <i>PLoS Genetics</i> , 2012 , 8, e1002629	6	501
851	Meta-analysis of 28,141 individuals identifies common variants within five new loci that influence uric acid concentrations. <i>PLoS Genetics</i> , 2009 , 5, e1000504	6	495
850	Attributes and predictors of long COVID. <i>Nature Medicine</i> , 2021 , 27, 626-631	50.5	484
849	Genetic influences on osteoarthritis in women: a twin study. <i>BMJ: British Medical Journal</i> , 1996 , 312, 940-3		457
848	Obesity accelerates epigenetic aging of human liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15538-43	11.5	456
847	Proton pump inhibitors alter the composition of the gut microbiota. <i>Gut</i> , 2016 , 65, 749-56	19.2	454
846	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , 2013 , 45, 501-12	36.3	437
845	A genome-wide meta-analysis identifies 22 loci associated with eight hematological parameters in the HaemGen consortium. <i>Nature Genetics</i> , 2009 , 41, 1182-90	36.3	433
844	Genome-wide association study identifies five loci associated with lung function. <i>Nature Genetics</i> , 2010 , 42, 36-44	36.3	430
843	Host genetic variation impacts microbiome composition across human body sites. <i>Genome Biology</i> , 2015 , 16, 191	18.3	428
842	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011 , 43, 1131-8	36.3	415
841	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017 , 542, 186-190	50.4	412
840	A QTL influencing F cell production maps to a gene encoding a zinc-finger protein on chromosome 2p15. <i>Nature Genetics</i> , 2007 , 39, 1197-9	36.3	408

839	Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. <i>Nature</i> , 2014 , 514, 92-97	50.4	401
838	Meta-analysis of genome-wide association studies in >80 000 subjects identifies multiple loci for C-reactive protein levels. <i>Circulation</i> , 2011 , 123, 731-8	16.7	395
837	Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution. <i>PLoS Genetics</i> , 2009 , 5, e1000508	6	393
836	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. <i>Nature Genetics</i> , 2018 , 50, 1412-1425	36.3	386
835	Physical activity attenuates the influence of FTO variants on obesity risk: a meta-analysis of 218,166 adults and 19,268 children. <i>PLoS Medicine</i> , 2011 , 8, e1001116	11.6	379
834	Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. <i>Nature Genetics</i> , 2010 , 42, 1077-85	36.3	372
833	Genome-wide association study identifies genes for biomarkers of cardiovascular disease: serum urate and dyslipidemia. <i>American Journal of Human Genetics</i> , 2008 , 82, 139-49	11	361
832	Meta-analysis of 375,000 individuals identifies 38 susceptibility loci for migraine. <i>Nature Genetics</i> , 2016 , 48, 856-66	36.3	355
831	Predicting brain age with deep learning from raw imaging data results in a reliable and heritable biomarker. <i>NeuroImage</i> , 2017 , 163, 115-124	7.9	343
830	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. <i>Nature Genetics</i> , 2011 , 43, 1005-11	36.3	338
829	The architecture of gene regulatory variation across multiple human tissues: the MuTHER study. <i>PLoS Genetics</i> , 2011 , 7, e1002003	6	336
828	Is low birth weight an antecedent of CKD in later life? A systematic review of observational studies. <i>American Journal of Kidney Diseases</i> , 2009 , 54, 248-61	7.4	333
827	New gene functions in megakaryopoiesis and platelet formation. <i>Nature</i> , 2011 , 480, 201-8	50.4	330
826	Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. <i>Nature Genetics</i> , 2015 , 47, 1449-1456	36.3	329
825	Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals. <i>PLoS Genetics</i> , 2012 , 8, e1002607	6	326
824	Risk of osteoarthritis associated with long-term weight-bearing sports: a radiologic survey of the hips and knees in female ex-athletes and population controls. <i>Arthritis and Rheumatism</i> , 1996 , 39, 988-95		324
823	Risk factors for osteoarthritis: genetics. <i>Osteoarthritis and Cartilage</i> , 2004 , 12 Suppl A, S39-44	6.2	316
822	Genome-wide meta-analyses of multiethnic cohorts identify multiple new susceptibility loci for refractive error and myopia. <i>Nature Genetics</i> , 2013 , 45, 314-8	36.3	314

821	Common variants at 10 genomic loci influence hemoglobin A1C levels via glyceimic and nonglyceimic pathways. <i>Diabetes</i> , 2010 , 59, 3229-39	0.9	314
820	Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. <i>Nature Genetics</i> , 2011 , 43, 1082-90	36.3	313
819	Incidence and risk factors for radiographic knee osteoarthritis in middle-aged women: the Chingford Study. <i>Arthritis and Rheumatism</i> , 1999 , 42, 17-24		312
818	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017 , 49, 1758-1766	36.6	310
817	Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. <i>Nature</i> , 2015 , 526, 112-7	50.4	308
816	FTO genotype is associated with phenotypic variability of body mass index. <i>Nature</i> , 2012 , 490, 267-72	50.4	304
815	Lipidomics profiling and risk of cardiovascular disease in the prospective population-based Bruneck study. <i>Circulation</i> , 2014 , 129, 1821-31	16.7	302
814	Meta-analysis of telomere length in 19,713 subjects reveals high heritability, stronger maternal inheritance and a paternal age effect. <i>European Journal of Human Genetics</i> , 2013 , 21, 1163-8	5.3	291
813	Risedronate decreases biochemical markers of cartilage degradation but does not decrease symptoms or slow radiographic progression in patients with medial compartment osteoarthritis of the knee: results of the two-year multinational knee osteoarthritis structural arthritis study. <i>Arthritis and Rheumatism</i> , 2006 , 54, 3494-507		287
812	Gender and telomere length: systematic review and meta-analysis. <i>Experimental Gerontology</i> , 2014 , 51, 15-27	4.5	285
811	Multiple loci influence erythrocyte phenotypes in the CHARGE Consortium. <i>Nature Genetics</i> , 2009 , 41, 1191-8	36.3	285
810	Vaccine side-effects and SARS-CoV-2 infection after vaccination in users of the COVID Symptom Study app in the UK: a prospective observational study. <i>Lancet Infectious Diseases</i> , 2021 , 21, 939-949	35.5	284
809	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. <i>PLoS Genetics</i> , 2013 , 9, e1003500	6	277
808	Identification of new susceptibility loci for osteoarthritis (arcOGEN): a genome-wide association study. <i>Lancet</i> , 2012 , 380, 815-23	40	275
807	GWAS of lifetime cannabis use reveals new risk loci, genetic overlap with psychiatric traits, and a causal influence of schizophrenia. <i>Nature Neuroscience</i> , 2018 , 21, 1161-1170	25.5	270
806	Global analysis of DNA methylation variation in adipose tissue from twins reveals links to disease-associated variants in distal regulatory elements. <i>American Journal of Human Genetics</i> , 2013 , 93, 876-90	11	269
805	Biomarkers for type 2 diabetes and impaired fasting glucose using a nontargeted metabolomics approach. <i>Diabetes</i> , 2013 , 62, 4270-6	0.9	268
804	A twin approach to unraveling epigenetics. <i>Trends in Genetics</i> , 2011 , 27, 116-25	8.5	268

803	Interleukin-6 is a significant predictor of radiographic knee osteoarthritis: The Chingford Study. <i>Arthritis and Rheumatism</i> , 2009 , 60, 2037-45		268
802	Is the Tendency to Engage in Entrepreneurship Genetic?. <i>Management Science</i> , 2008 , 54, 167-179	3.9	265
801	Genes control the cessation of a woman's reproductive life: a twin study of hysterectomy and age at menopause. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998 , 83, 1875-80	5.6	265
800	The autosomal dominant hypophosphatemic rickets (ADHR) gene is a secreted polypeptide overexpressed by tumors that cause phosphate wasting. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 497-500	5.6	264
799	The fecal metabolome as a functional readout of the gut microbiome. <i>Nature Genetics</i> , 2018 , 50, 790-795	6.3	262
798	Novel associations of multiple genetic loci with plasma levels of factor VII, factor VIII, and von Willebrand factor: The CHARGE (Cohorts for Heart and Aging Research in Genome Epidemiology) Consortium. <i>Circulation</i> , 2010 , 121, 1382-92	16.7	260
797	Genomic analyses identify hundreds of variants associated with age at menarche and support a role for puberty timing in cancer risk. <i>Nature Genetics</i> , 2017 , 49, 834-841	36.3	257
796	Seventy-five genetic loci influencing the human red blood cell. <i>Nature</i> , 2012 , 492, 369-75	50.4	257
795	Genome-wide association study of blood pressure extremes identifies variant near UMOD associated with hypertension. <i>PLoS Genetics</i> , 2010 , 6, e1001177	6	255
794	Common variants near TERC are associated with mean telomere length. <i>Nature Genetics</i> , 2010 , 42, 197-9	6.3	255
793	Identification of an imprinted master trans regulator at the KLF14 locus related to multiple metabolic phenotypes. <i>Nature Genetics</i> , 2011 , 43, 561-4	36.3	253
792	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. <i>Nature Genetics</i> , 2016 , 48, 1171-1184	36.3	251
791	Intergenic variants of HBS1L-MYB are responsible for a major quantitative trait locus on chromosome 6q23 influencing fetal hemoglobin levels in adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11346-51	11.5	251
790	Association of vitamin D status with arterial blood pressure and hypertension risk: a mendelian randomisation study. <i>Lancet Diabetes and Endocrinology</i> , 2014 , 2, 719-29	18.1	250
789	Common variants in 22 loci are associated with QRS duration and cardiac ventricular conduction. <i>Nature Genetics</i> , 2010 , 42, 1068-76	36.3	249
788	Are twins and singletons comparable? A study of disease-related and lifestyle characteristics in adult women. <i>Twin Research and Human Genetics</i> , 2001 , 4, 464-77		248
787	The human gut and groundwater harbor non-photosynthetic bacteria belonging to a new candidate phylum sibling to Cyanobacteria. <i>ELife</i> , 2013 , 2, e01102	8.9	247
786	Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. <i>Nature Genetics</i> , 2012 , 44, 260-8	36.3	243

785	Evidence for increased bone resorption in patients with progressive knee osteoarthritis: longitudinal results from the Chingford study. <i>Arthritis and Rheumatism</i> , 2002 , 46, 3178-84		240
784	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. <i>Nature Genetics</i> , 2011 , 43, 753-60	36.3	237
783	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. <i>JAMA Oncology</i> , 2017 , 3, 636-651	13.4	236
782	The genetics of haemostasis: a twin study. <i>Lancet, The</i> , 2001 , 357, 101-5	40	230
781	Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. <i>Nature Genetics</i> , 2015 , 47, 1294-1303	36.3	226
780	Gut microbiota associations with common diseases and prescription medications in a population-based cohort. <i>Nature Communications</i> , 2018 , 9, 2655	17.4	225
779	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. <i>PLoS Medicine</i> , 2017 , 14, e1002383	11.6	223
778	Meta-analysis of genome-wide association data identifies two loci influencing age at menarche. <i>Nature Genetics</i> , 2009 , 41, 648-50	36.3	223
777	Quantitative variability of 342 plasma proteins in a human twin population. <i>Molecular Systems Biology</i> , 2015 , 11, 786	12.2	222
776	Cigarette smoking reduces DNA methylation levels at multiple genomic loci but the effect is partially reversible upon cessation. <i>Epigenetics</i> , 2014 , 9, 1382-96	5.7	222
775	Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. <i>Nature Genetics</i> , 2013 , 45, 155-63	36.3	222
774	Inherited variation in vitamin D genes is associated with predisposition to autoimmune disease type 1 diabetes. <i>Diabetes</i> , 2011 , 60, 1624-31	0.9	222
773	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , 2018 , 50, 559-571	36.3	221
772	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015 , 11, e1005378	6	220
771	Epigenome-wide association study (EWAS) of BMI, BMI change and waist circumference in African American adults identifies multiple replicated loci. <i>Human Molecular Genetics</i> , 2015 , 24, 4464-79	5.6	219
770	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013 , 45, 621-31	36.3	219
769	Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7119-24	11.5	218
768	Genetics of osteoporosis from genome-wide association studies: advances and challenges. <i>Nature Reviews Genetics</i> , 2012 , 13, 576-88	30.1	216

767	Collaborative meta-analysis: associations of 150 candidate genes with osteoporosis and osteoporotic fracture. <i>Annals of Internal Medicine</i> , 2009 , 151, 528-37	8	215
766	Mapping genetic loci that determine leukocyte telomere length in a large sample of unselected female sibling pairs. <i>American Journal of Human Genetics</i> , 2006 , 78, 480-6	11	214
765	Are Twins and Singletons Comparable? A Study of Disease-related and Lifestyle Characteristics in Adult Women. <i>Twin Research and Human Genetics</i> , 2001 , 4, 464-477		211
764	Whole-genome sequencing identifies common-to-rare variants associated with human blood metabolites. <i>Nature Genetics</i> , 2017 , 49, 568-578	36.3	210
763	Genome-wide association identifies OBFC1 as a locus involved in human leukocyte telomere biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9293-8	11.5	209
762	Rapid implementation of mobile technology for real-time epidemiology of COVID-19. <i>Science</i> , 2020 , 368, 1362-1367	33.3	208
761	Genetic correlates of musical pitch recognition in humans. <i>Science</i> , 2001 , 291, 1969-72	33.3	207
760	Genetic loci influencing kidney function and chronic kidney disease. <i>Nature Genetics</i> , 2010 , 42, 373-5	36.3	205
759	Signatures of early frailty in the gut microbiota. <i>Genome Medicine</i> , 2016 , 8, 8	14.4	200
758	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014 , 46, 826-36	36.3	199
757	Genome-wide association study using extreme truncate selection identifies novel genes affecting bone mineral density and fracture risk. <i>PLoS Genetics</i> , 2011 , 7, e1001372	6	199
756	The UK Adult Twin Registry (TwinsUK). <i>Twin Research and Human Genetics</i> , 2006 , 9, 899-906	2.2	199
755	Genome-wide analysis identifies 12 loci influencing human reproductive behavior. <i>Nature Genetics</i> , 2016 , 48, 1462-1472	36.3	198
754	Meta-analysis of genome-wide scans for human adult stature identifies novel Loci and associations with measures of skeletal frame size. <i>PLoS Genetics</i> , 2009 , 5, e1000445	6	198
753	Interplay between the human gut microbiome and host metabolism. <i>Nature Communications</i> , 2019 , 10, 4505	17.4	197
752	Efficacy and safety of strontium ranelate in the treatment of knee osteoarthritis: results of a double-blind, randomised placebo-controlled trial. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, 179-86	2.4	197
751	A genome-wide association study identifies five loci influencing facial morphology in Europeans. <i>PLoS Genetics</i> , 2012 , 8, e1002932	6	194
750	Human serum metabolic profiles are age dependent. <i>Aging Cell</i> , 2012 , 11, 960-7	9.9	193

749	Glycans are a novel biomarker of chronological and biological ages. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69, 779-89	6.4	192
748	WNT16 influences bone mineral density, cortical bone thickness, bone strength, and osteoporotic fracture risk. <i>PLoS Genetics</i> , 2012 , 8, e1002745	6	192
747	The association between hip morphology parameters and nineteen-year risk of end-stage osteoarthritis of the hip: a nested case-control study. <i>Arthritis and Rheumatism</i> , 2011 , 63, 3392-400		191
746	Offspring's leukocyte telomere length, paternal age, and telomere elongation in sperm. <i>PLoS Genetics</i> , 2008 , 4, e37	6	190
745	Higher anthocyanin intake is associated with lower arterial stiffness and central blood pressure in women. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 781-8	7	188
744	Population genetic differentiation of height and body mass index across Europe. <i>Nature Genetics</i> , 2015 , 47, 1357-62	36.3	186
743	Genome-wide association study identifies variants at 9p21 and 22q13 associated with development of cutaneous nevi. <i>Nature Genetics</i> , 2009 , 41, 915-9	36.3	186
742	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018 , 50, 26-41	36.3	186
741	Gene expression changes with age in skin, adipose tissue, blood and brain. <i>Genome Biology</i> , 2013 , 14, R75	18.3	185
740	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , 2019 , 51, 804-814	36.3	181
739	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , 2016 , 48, 1151-1161	36.3	181
738	Cohort Profile: TwinsUK and healthy ageing twin study. <i>International Journal of Epidemiology</i> , 2013 , 42, 76-85	7.8	181
737	A genome-wide association study identifies a susceptibility locus for refractive errors and myopia at 15q14. <i>Nature Genetics</i> , 2010 , 42, 897-901	36.3	181
736	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , 2016 , 7, 10495	17.4	180
735	The UK Adult Twin Registry (TwinsUK Resource). <i>Twin Research and Human Genetics</i> , 2013 , 16, 144-9	2.2	180
734	The genetic architecture of the human immune system: a bioresource for autoimmunity and disease pathogenesis. <i>Cell</i> , 2015 , 161, 387-403	56.2	179
733	A genome-wide association study for myopia and refractive error identifies a susceptibility locus at 15q25. <i>Nature Genetics</i> , 2010 , 42, 902-5	36.3	179
732	Genetic influences on exercise participation in 37,051 twin pairs from seven countries. <i>PLoS ONE</i> , 2006 , 1, e22	3.7	178

731	Low copy number of the salivary amylase gene predisposes to obesity. <i>Nature Genetics</i> , 2014 , 46, 492-7	36.3	177
730	Genetic and environmental factors in age-related nuclear cataracts in monozygotic and dizygotic twins. <i>New England Journal of Medicine</i> , 2000 , 342, 1786-90	59.2	177
729	Effect of risedronate on joint structure and symptoms of knee osteoarthritis: results of the BRISK randomized, controlled trial [ISRCTN01928173]. <i>Arthritis Research</i> , 2005 , 7, R625-33		176
728	A susceptibility locus for myopia in the normal population is linked to the PAX6 gene region on chromosome 11: a genomewide scan of dizygotic twins. <i>American Journal of Human Genetics</i> , 2004 , 75, 294-304	11	173
727	Shotgun Metagenomics of 250 Adult Twins Reveals Genetic and Environmental Impacts on the Gut Microbiome. <i>Cell Systems</i> , 2016 , 3, 572-584.e3	10.6	172
726	Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma. <i>Nature Genetics</i> , 2014 , 46, 1126-1130	36.3	171
725	Higher serum vitamin D concentrations are associated with longer leukocyte telomere length in women. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 1420-5	7	169
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383	Rapid implementation of mobile technology for real-time epidemiology of COVID-19		34
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369	Symptom clusters in Covid19: A potential clinical prediction tool from the COVID Symptom study app		33
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362	The effect of FTO variation on increased osteoarthritis risk is mediated through body mass index: a Mendelian randomisation study. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, 2082-6	2.4	32
361	Multimodality imaging of subclinical aortic atherosclerosis: relation of aortic stiffness to calcification and plaque in female twins. <i>Hypertension</i> , 2013 , 61, 609-14	8.5	32
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295	Novel genetic associations with serum level metabolites identified by phenotype set enrichment analyses. <i>Human Molecular Genetics</i> , 2014 , 23, 5847-57	5.6	23
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292	A heritability-based comparison of methods used to cluster 16S rRNA gene sequences into operational taxonomic units. <i>PeerJ</i> , 2016 , 4, e2341	3.1	23
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278	Integrative DNA methylome analysis of pan-cancer biomarkers in cancer discordant monozygotic twin-pairs. <i>Clinical Epigenetics</i> , 2016 , 8, 7	7.7	21
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262	The prebiotic effects of omega-3 fatty acid supplementation: A six-week randomised intervention trial. <i>Gut Microbes</i> , 2021 , 13, 1-11	8.8	20
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250	Global genetic architecture of an erythroid quantitative trait locus, HMIP-2. <i>Annals of Human Genetics</i> , 2014 , 78, 434-51	2.2	18
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248	Evaluation of HapMap data in six populations of European descent. <i>European Journal of Human Genetics</i> , 2008 , 16, 1142-50	5.3	18
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242	Discovery of novel heart rate-associated loci using the Exome Chip. <i>Human Molecular Genetics</i> , 2017 , 26, 2346-2363	5.6	17
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230	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 1284-1296	6.3	16
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114	Dietary supplements during the COVID-19 pandemic: insights from 1.4M users of the COVID Symptom Study app - a longitudinal app-based community survey		6
113	Knowledge barriers in the symptomatic-COVID-19 testing programme in the UK: an observational study		6
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74	Effects of environmental factors on severity and mortality of COVID-19		3
73	Association of social distancing and masking with risk of COVID-19 2020 ,		3
72	Decreased IgG core fucosylation, a player in antibody-dependent cell-mediated cytotoxicity, is associated with autoimmune thyroid diseases		3
71	Interplay between the human gut microbiome and host metabolism		3
70	Antiviral Antibody Epitope Selection is a Heritable Trait		3
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53	Impact of insufficient sleep on dysregulated blood glucose control under standardised meal conditions. <i>Diabetologia</i> , 2021 , 1	10.3	2
52	Codiversification of gut microbiota with humans		2
51	Smoking induces coordinated DNA methylation and gene expression changes in adipose tissue with consequences for metabolic health		2
50	Global variability of the human IgG glycome		2
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47	Anxiety and depression symptoms after COVID-19 infection: results from the COVID Symptom Study app. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 1254-1258	5.5	2
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44	Diet and lifestyle behaviour disruption related to the pandemic was varied and bidirectional among US and UK adults participating in the ZOE COVID Study. <i>Nature Food</i> , 2021 , 2, 957-969	14.4	2
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40	Intervertebral T-score differences in younger and older women. <i>Journal of Clinical Densitometry</i> , 2013 , 16, 329-335	3.5	1
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38	Comparison of serum FSH and Inhibin B levels between adult male dizygotic and monozygotic twins. <i>Human Reproduction</i> , 2006 , 21, 447-50	5.7	1
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36	Concordance of B and T cell responses to SARS-CoV-2 infection, irrespective of symptoms suggestive of COVID-19		1
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32	Real-time tracking of self-reported symptoms to predict potential COVID-19		1
31	Protein-Coding Variants Implicate Novel Genes Related to Lipid Homeostasis Contributing to Body Fat Distribution		1
30	Genome-wide scan identifies novel genetic loci regulating salivary metabolite levels		1

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28	App-based COVID-19 surveillance and prediction: The COVID Symptom Study Sweden		1
27	A Bidirectional Mendelian Randomization Study to evaluate the causal role of reduced blood vitamin D levels with type 2 diabetes risk in South Asians and Europeans. <i>Nutrition Journal</i> , 2021 , 20, 71	4.3	1
26	Disentangling post-vaccination symptoms from early COVID-19		1
25	Specific body mass index trajectories were related to musculoskeletal pain and mortality: 19-year follow-up cohort. <i>Journal of Clinical Epidemiology</i> , 2021 , 141, 54-63	5.7	1
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14	Increased habitual flavonoid intake predicts attenuation of cognitive ageing in twins. <i>BMC Medicine</i> , 2021 , 19, 185	11.4	0
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