

# Andr G Uitterlinden

## 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.

596 papers	80,027 citations	135 h-index	273 g-index
635 ext. papers	98,113 ext. citations	12.3 avg, IF	6.45 L-index

#	Paper	IF	Citations
596	Biological, clinical and population relevance of 95 loci for blood lipids. <i>Nature</i> , <b>2010</b> , 466, 707-13	50.4	2742
595	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , <b>2015</b> , 518, 197-206	50.4	2687
594	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. <i>Nature Genetics</i> , <b>2010</b> , 42, 937-48	36.3	2267
593	Genome-wide association study identifies novel breast cancer susceptibility loci. <i>Nature</i> , <b>2007</b> , 447, 1087-93	50.4	1957
592	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , <b>2013</b> , 45, 1274-1283	36.3	1904
591	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , <b>2010</b> , 42, 105-16	36.3	1673
590	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , <b>2010</b> , 467, 832-8	50.4	1514
589	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. <i>Nature Genetics</i> , <b>2012</b> , 44, 981-90	36.3	1482
588	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. <i>Nature Genetics</i> , <b>2010</b> , 42, 579-89	36.3	1449
587	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. <i>Nature Genetics</i> , <b>2011</b> , 43, 333-8	36.3	1394
586	Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. <i>Nature Genetics</i> , <b>2009</b> , 41, 25-34	36.3	1368
585	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , <b>2014</b> , 46, 1173-86	36.3	1339
584	Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. <i>Nature Genetics</i> , <b>2018</b> , 50, 668-681	36.3	1301
583	A comprehensive 1,000 Genomes-based genome-wide association meta-analysis of coronary artery disease. <i>Nature Genetics</i> , <b>2015</b> , 47, 1121-1130	36.3	1290
582	Systematic identification of trans eQTLs as putative drivers of known disease associations. <i>Nature Genetics</i> , <b>2013</b> , 45, 1238-1243	36.3	1244
581	Fracture incidence and association with bone mineral density in elderly men and women: the Rotterdam Study. <i>Bone</i> , <b>2004</b> , 34, 195-202	4.7	1087
580	Genome-wide association study of blood pressure and hypertension. <i>Nature Genetics</i> , <b>2009</b> , 41, 677-87	36.3	1065

579	Genetics and biology of vitamin D receptor polymorphisms. <i>Gene</i> , <b>2004</b> , 338, 143-56	3.8	1047
578	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , <b>2015</b> , 518, 187-196	50.4	920
577	Genome-wide analysis of genetic loci associated with Alzheimer disease. <i>JAMA - Journal of the American Medical Association</i> , <b>2010</b> , 303, 1832-40	27.4	888
576	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. <i>Nature Genetics</i> , <b>2012</b> , 44, 491-501	36.3	866
575	Genome-wide association study identifies 74 loci associated with educational attainment. <i>Nature</i> , <b>2016</b> , 533, 539-42	50.4	850
574	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. <i>Nature Genetics</i> , <b>2014</b> , 46, 234-44	36.3	784
573	Loci influencing lipid levels and coronary heart disease risk in 16 European population cohorts. <i>Nature Genetics</i> , <b>2009</b> , 41, 47-55	36.3	708
572	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , <b>2012</b> , 44, 991-1005	36.3	621
571	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. <i>Nature Genetics</i> , <b>2012</b> , 44, 659-69	36.3	615
570	Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. <i>Nature Genetics</i> , <b>2016</b> , 48, 624-33	36.3	602
569	Common variants associated with plasma triglycerides and risk for coronary artery disease. <i>Nature Genetics</i> , <b>2013</b> , 45, 1345-52	36.3	597
568	Homocysteine levels and the risk of osteoporotic fracture. <i>New England Journal of Medicine</i> , <b>2004</b> , 350, 2033-41	59.2	593
567	Twenty bone-mineral-density loci identified by large-scale meta-analysis of genome-wide association studies. <i>Nature Genetics</i> , <b>2009</b> , 41, 1199-206	36.3	566
566	GWAS of 126,559 individuals identifies genetic variants associated with educational attainment. <i>Science</i> , <b>2013</b> , 340, 1467-71	33.3	563
565	Bone mineral density, osteoporosis, and osteoporotic fractures: a genome-wide association study. <i>Lancet, The</i> , <b>2008</b> , 371, 1505-12	40	538
564	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , <b>2017</b> , 541, 81-86	50.4	511
563	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. <i>Nature Genetics</i> , <b>2017</b> , 49, 1373-1384	36.3	508
562	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. <i>Nature Genetics</i> , <b>2013</b> , 45, 145-54	36.3	505

561	Epigenetic Signatures of Cigarette Smoking. <i>Circulation: Cardiovascular Genetics</i> , <b>2016</b> , 9, 436-447		442
560	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , <b>2013</b> , 45, 501-12	36.3	437
559	Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium: Design of prospective meta-analyses of genome-wide association studies from 5 cohorts. <i>Circulation: Cardiovascular Genetics</i> , <b>2009</b> , 2, 73-80		423
558	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , <b>2011</b> , 43, 1131-8	36.3	415
557	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , <b>2017</b> , 542, 186-190	50.4	412
556	Association between alcohol and cardiovascular disease: Mendelian randomisation analysis based on individual participant data. <i>BMJ, The</i> , <b>2014</b> , 349, g4164	5.9	406
555	Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. <i>Nature</i> , <b>2014</b> , 514, 92-97	50.4	401
554	Meta-analysis of genome-wide association studies in >80 000 subjects identifies multiple loci for C-reactive protein levels. <i>Circulation</i> , <b>2011</b> , 123, 731-8	16.7	395
553	The Generation R Study: design and cohort update 2017. <i>European Journal of Epidemiology</i> , <b>2016</b> , 31, 1243-1264	12.1	395
552	Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000508	6	393
551	Relation of alleles of the collagen type Ialpha1 gene to bone density and the risk of osteoporotic fractures in postmenopausal women. <i>New England Journal of Medicine</i> , <b>1998</b> , 338, 1016-21	59.2	388
550	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. <i>Nature Genetics</i> , <b>2018</b> , 50, 1412-1425	36.3	386
549	Meta-analysis of 375,000 individuals identifies 38 susceptibility loci for migraine. <i>Nature Genetics</i> , <b>2016</b> , 48, 856-66	36.3	355
548	Genome-wide association study of PR interval. <i>Nature Genetics</i> , <b>2010</b> , 42, 153-9	36.3	340
547	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. <i>Nature Genetics</i> , <b>2011</b> , 43, 1005-11	36.3	338
546	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> , <b>2015</b> , 47, 1449-1456	36.3	329
545	Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis. <i>Nature Genetics</i> , <b>2016</b> , 48, 1043-8	36.3	328
544	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> , <b>2012</b> , 8, e1002607	6	326

543	Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. <i>Nature</i> , <b>2015</b> , 526, 112-7	50.4	308
542	The Rotterdam Study: 2016 objectives and design update. <i>European Journal of Epidemiology</i> , <b>2015</b> , 30, 661-708	12.1	307
541	The Rotterdam Study: 2018 update on objectives, design and main results. <i>European Journal of Epidemiology</i> , <b>2017</b> , 32, 807-850	12.1	296
540	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. <i>Nature Communications</i> , <b>2016</b> , 7, 10023	17.4	295
539	Multi-ethnic genome-wide association study for atrial fibrillation. <i>Nature Genetics</i> , <b>2018</b> , 50, 1225-1233	36.3	277
538	Genome-wide meta-analysis identifies new susceptibility loci for migraine. <i>Nature Genetics</i> , <b>2013</b> , 45, 912-917	36.3	276
537	Identification of new susceptibility loci for osteoarthritis (arcOGEN): a genome-wide association study. <i>Lancet, The</i> , <b>2012</b> , 380, 815-23	40	275
536	Genome-wide association study identifies 19p13.3 (UNC13A) and 9p21.2 as susceptibility loci for sporadic amyotrophic lateral sclerosis. <i>Nature Genetics</i> , <b>2009</b> , 41, 1083-7	36.3	270
535	Genome-wide associations for birth weight and correlations with adult disease. <i>Nature</i> , <b>2016</b> , 538, 248-252	52.4	266
534	Genome-wide association analyses of risk tolerance and risky behaviors in over 1 million individuals identify hundreds of loci and shared genetic influences. <i>Nature Genetics</i> , <b>2019</b> , 51, 245-257	36.3	259
533	Promoter and 3'-untranslated-region haplotypes in the vitamin d receptor gene predispose to osteoporotic fracture: the rotterdam study. <i>American Journal of Human Genetics</i> , <b>2005</b> , 77, 807-23	11	258
532	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> , <b>2017</b> , 49, 834-841	36.3	257
531	Genetic loci associated with plasma phospholipid n-3 fatty acids: a meta-analysis of genome-wide association studies from the CHARGE Consortium. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002193	6	257
530	The Rotterdam Study: 2012 objectives and design update. <i>European Journal of Epidemiology</i> , <b>2011</b> , 26, 657-86	12.1	255
529	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , <b>2018</b> , 9, 2098	17.4	254
528	The Rotterdam Study: 2014 objectives and design update. <i>European Journal of Epidemiology</i> , <b>2013</b> , 28, 889-926	12.1	253
527	Disease variants alter transcription factor levels and methylation of their binding sites. <i>Nature Genetics</i> , <b>2017</b> , 49, 131-138	36.3	252
526	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. <i>Nature Genetics</i> , <b>2016</b> , 48, 1171-1184	36.3	251

525	Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE consortium (N=53949). <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 183-92	15.1	250
524	Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. <i>Nature Genetics</i> , <b>2012</b> , 44, 260-8	36.3	243
523	Multiple genetic loci influence serum urate levels and their relationship with gout and cardiovascular disease risk factors. <i>Circulation: Cardiovascular Genetics</i> , <b>2010</b> , 3, 523-30		243
522	Genetics of osteoporosis. <i>Endocrine Reviews</i> , <b>2010</b> , 31, 629-62	27.2	240
521	Differential genetic effects of ESR1 gene polymorphisms on osteoporosis outcomes. <i>JAMA - Journal of the American Medical Association</i> , <b>2004</b> , 292, 2105-14	27.4	238
520	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. <i>Nature Genetics</i> , <b>2011</b> , 43, 753-60	36.3	237
519	Association of low-frequency and rare coding-sequence variants with blood lipids and coronary heart disease in 56,000 whites and blacks. <i>American Journal of Human Genetics</i> , <b>2014</b> , 94, 223-32	11	233
518	Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. <i>Nature Genetics</i> , <b>2015</b> , 47, 1294-1303	36.3	226
517	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. <i>Lancet Diabetes and Endocrinology</i> , <b>2017</b> , 5, 97-105	18.1	225
516	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. <i>Nature Genetics</i> , <b>2015</b> , 47, 1282-1293	36.3	223
515	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. <i>Nature Genetics</i> , <b>2018</b> , 50, 559-571	36.3	221
514	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> , <b>2015</b> , 11, e1005378	6	220
513	A new marker for osteoarthritis: cross-sectional and longitudinal approach. <i>Arthritis and Rheumatism</i> , <b>2004</b> , 50, 2471-8		219
512	Genome-wide association study identifies a single major locus contributing to survival into old age; the APOE locus revisited. <i>Aging Cell</i> , <b>2011</b> , 10, 686-98	9.9	218
511	A catalog of genetic loci associated with kidney function from analyses of a million individuals. <i>Nature Genetics</i> , <b>2019</b> , 51, 957-972	36.3	217
510	Collaborative meta-analysis: associations of 150 candidate genes with osteoporosis and osteoporotic fracture. <i>Annals of Internal Medicine</i> , <b>2009</b> , 151, 528-37	8	215
509	Meta-analysis of genome-wide association studies of anxiety disorders. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 1391-9	15.1	213
508	Genome-wide association study for coronary artery calcification with follow-up in myocardial infarction. <i>Circulation</i> , <b>2011</b> , 124, 2855-64	16.7	213

507	The Rotterdam Study: 2010 objectives and design update. <i>European Journal of Epidemiology</i> , <b>2009</b> , 24, 553-72	12.1	213
506	Excessive burden of lysosomal storage disorder gene variants in Parkinson's disease. <i>Brain</i> , <b>2017</b> , 140, 3191-3203	11.2	209
505	Quantifying prion disease penetrance using large population control cohorts. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 322ra9	17.5	205
504	Causal mechanisms and balancing selection inferred from genetic associations with polycystic ovary syndrome. <i>Nature Communications</i> , <b>2015</b> , 6, 8464	17.4	203
503	NRXN3 is a novel locus for waist circumference: a genome-wide association study from the CHARGE Consortium. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000539	6	203
502	Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 389-403	5.6	202
501	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. <i>Nature Genetics</i> , <b>2017</b> , 49, 426-432	36.3	201
500	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , <b>2014</b> , 46, 826-36	36.3	199
499	A genome-wide association study identifies five loci influencing facial morphology in Europeans. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002932	6	194
498	Subclinical thyroid dysfunction and fracture risk: a meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 313, 2055-65	27.4	190
497	Eye color and the prediction of complex phenotypes from genotypes. <i>Current Biology</i> , <b>2009</b> , 19, R192-3	6.3	190
496	GWAS of longevity in CHARGE consortium confirms APOE and FOXO3 candidacy. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 110-8	6.4	188
495	Genome-wide association meta-analysis of human longevity identifies a novel locus conferring survival beyond 90 years of age. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4420-32	5.6	188
494	Estrogen receptor polymorphism predicts the onset of natural and surgical menopause. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1999</b> , 84, 3146-50	5.6	188
493	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , <b>2018</b> , 50, 26-41	36.3	186
492	The Genome of the Netherlands: design, and project goals. <i>European Journal of Human Genetics</i> , <b>2014</b> , 22, 221-7	5.3	184
491	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , <b>2019</b> , 51, 804-814	36.3	181
490	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , <b>2016</b> , 7, 10495	17.4	180



489	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , <b>2017</b> , 8, 13624	17.4	173
488	Maternal plasma folate impacts differential DNA methylation in an epigenome-wide meta-analysis of newborns. <i>Nature Communications</i> , <b>2016</b> , 7, 10577	17.4	172
487	Genome-wide analysis of multi-ancestry cohorts identifies new loci influencing intraocular pressure and susceptibility to glaucoma. <i>Nature Genetics</i> , <b>2014</b> , 46, 1126-1130	36.3	171
486	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , <b>2016</b> , 17, 255	18.3	171
485	Whole-exome sequencing identifies rare and low-frequency coding variants associated with LDL cholesterol. <i>American Journal of Human Genetics</i> , <b>2014</b> , 94, 233-45	11	170
484	Estrogen receptor alpha gene polymorphisms and risk of myocardial infarction. <i>JAMA - Journal of the American Medical Association</i> , <b>2004</b> , 291, 2969-77	27.4	170
483	Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque. <i>Nature Genetics</i> , <b>2011</b> , 43, 940-7	36.3	168
482	Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 647-656	15.1	167
481	The Generation R Study: Biobank update 2015. <i>European Journal of Epidemiology</i> , <b>2014</b> , 29, 911-27	12.1	166
480	Large-scale genome-wide meta-analysis of polycystic ovary syndrome suggests shared genetic architecture for different diagnosis criteria. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007813	6	166
479	A DNA methylation biomarker of alcohol consumption. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 422-433	15.1	164
478	Vitamin D receptor gene polymorphisms in relation to Vitamin D related disease states. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2004</b> , 89-90, 187-93	5.1	162
477	Genome-wide meta-analysis of observational studies shows common genetic variants associated with macronutrient intake. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 97, 1395-402	7	161
476	Pharmacogenetic meta-analysis of genome-wide association studies of LDL cholesterol response to statins. <i>Nature Communications</i> , <b>2014</b> , 5, 5068	17.4	160
475	Evidence for auto/paracrine actions of vitamin D in bone: 1alpha-hydroxylase expression and activity in human bone cells. <i>FASEB Journal</i> , <b>2006</b> , 20, 2417-9	0.9	159
474	A large-scale population-based study of the association of vitamin D receptor gene polymorphisms with bone mineral density. <i>Journal of Bone and Mineral Research</i> , <b>1996</b> , 11, 1241-8	6.3	157
473	Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. <i>Nature Genetics</i> , <b>2016</b> , 48, 1162-70	36.3	152
472	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. <i>American Journal of Human Genetics</i> , <b>2018</b> , 103, 691-706	11	151



471	KLB is associated with alcohol drinking, and its gene product Eklotho is necessary for FGF21 regulation of alcohol preference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14372-14377	11.5	150
470	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. <i>Nature Communications</i> , <b>2015</b> , 6, 5897	17.4	147
469	Association of genome-wide variation with the risk of incident heart failure in adults of European and African ancestry: a prospective meta-analysis from the cohorts for heart and aging research in genomic epidemiology (CHARGE) consortium. <i>Circulation: Cardiovascular Genetics</i> , <b>2010</b> , 3, 256-66		147
468	Association of 5' estrogen receptor alpha gene polymorphisms with bone mineral density, vertebral bone area and fracture risk. <i>Human Molecular Genetics</i> , <b>2003</b> , 12, 1745-54	5.6	147
467	Consequences of vitamin D receptor gene polymorphisms for growth inhibition of cultured human peripheral blood mononuclear cells by 1, 25-dihydroxyvitamin D3. <i>Clinical Endocrinology</i> , <b>2000</b> , 52, 211-6 <sup>3-4</sup>		147
466	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 1569-1582	25.5	147
465	Genome-wide association study identifies novel loci associated with circulating phospho- and sphingolipid concentrations. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002490	6	145
464	The role of adiposity in cardiometabolic traits: a Mendelian randomization analysis. <i>PLoS Medicine</i> , <b>2013</b> , 10, e1001474	11.6	144
463	Genome-wide association and Mendelian randomisation analysis provide insights into the pathogenesis of heart failure. <i>Nature Communications</i> , <b>2020</b> , 11, 163	17.4	140
462	A genome-wide association study of depressive symptoms. <i>Biological Psychiatry</i> , <b>2013</b> , 73, 667-78	7.9	135
461	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. <i>Nature Genetics</i> , <b>2018</b> , 50, 834-848	36.3	135
460	Large-scale evidence for the effect of the COL1A1 Sp1 polymorphism on osteoporosis outcomes: the GENOMOS study. <i>PLoS Medicine</i> , <b>2006</b> , 3, e90	11.6	134
459	Genome-wide association and functional studies identify the DOT1L gene to be involved in cartilage thickness and hip osteoarthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8218-23	11.5	133
458	Gene-centric meta-analysis in 87,736 individuals of European ancestry identifies multiple blood-pressure-related loci. <i>American Journal of Human Genetics</i> , <b>2014</b> , 94, 349-60	11	131
457	A genome-wide association study of acenocoumarol maintenance dosage. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 3758-68	5.6	123
456	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. <i>Nature Genetics</i> , <b>2019</b> , 51, 1459-1474	36.3	122
455	Genome-wide analyses using UK Biobank data provide insights into the genetic architecture of osteoarthritis. <i>Nature Genetics</i> , <b>2018</b> , 50, 549-558	36.3	122
454	Common genetic loci influencing plasma homocysteine concentrations and their effect on risk of coronary artery disease. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 98, 668-76	7	122

453	FTO genetic variants, dietary intake and body mass index: insights from 177,330 individuals. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 6961-72	5.6	120
452	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , <b>2015</b> , 523, 459-463	50.4	119
451	Multiethnic genome-wide association study of cerebral white matter hyperintensities on MRI. <i>Circulation: Cardiovascular Genetics</i> , <b>2015</b> , 8, 398-409		119
450	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. <i>American Journal of Human Genetics</i> , <b>2018</b> , 102, 88-102	11	119
449	Blood lipids influence DNA methylation in circulating cells. <i>Genome Biology</i> , <b>2016</b> , 17, 138	18.3	118
448	Objectives, design and main findings until 2020 from the Rotterdam Study. <i>European Journal of Epidemiology</i> , <b>2020</b> , 35, 483-517	12.1	115
447	Loci for regulation of bone mineral density in men and women identified by genome wide linkage scan: the FAMOS study. <i>Human Molecular Genetics</i> , <b>2005</b> , 14, 943-51	5.6	115
446	Estrogen receptor alpha gene haplotype is associated with radiographic osteoarthritis of the knee in elderly men and women. <i>Arthritis and Rheumatism</i> , <b>2003</b> , 48, 1913-22		113
445	The effect of vitamin D supplementation on the bone mineral density of the femoral neck is associated with vitamin D receptor genotype. <i>Journal of Bone and Mineral Research</i> , <b>1997</b> , 12, 1241-5	6.3	111
444	Polymorphisms in the sclerosteosis/van Buchem disease gene (SOST) region are associated with bone-mineral density in elderly whites. <i>American Journal of Human Genetics</i> , <b>2004</b> , 75, 1032-45	11	111
443	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , <b>2016</b> , 7, 10494	17.4	107
442	Phenotypic dissection of bone mineral density reveals skeletal site specificity and facilitates the identification of novel loci in the genetic regulation of bone mass attainment. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004423	6	107
441	A meta-analysis of four genome-wide association studies of survival to age 90 years or older: the Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2010</b> , 65, 478-87	6.4	107
440	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , <b>2017</b> , 8, 14977	17.4	105
439	Genome-wide association analysis identifies six new loci associated with forced vital capacity. <i>Nature Genetics</i> , <b>2014</b> , 46, 669-77	36.3	104
438	Severe osteoarthritis of the hand associates with common variants within the ALDH1A2 gene and with rare variants at 1p31. <i>Nature Genetics</i> , <b>2014</b> , 46, 498-502	36.3	104
437	Common variants at 6q22 and 17q21 are associated with intracranial volume. <i>Nature Genetics</i> , <b>2012</b> , 44, 539-44	36.3	104
436	Vitamin D receptor genotype is associated with radiographic osteoarthritis at the knee. <i>Journal of Clinical Investigation</i> , <b>1997</b> , 100, 259-63	15.9	104

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433	Novel genetic markers associate with atrial fibrillation risk in Europeans and Japanese. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 1200-1210	15.1	102
432	Cdx-2 polymorphism in the promoter region of the human vitamin D receptor gene determines susceptibility to fracture in the elderly. <i>Journal of Bone and Mineral Research</i> , <b>2003</b> , 18, 1632-41	6.3	102
431	Meta-analysis of genome-wide association studies identifies six new Loci for serum calcium concentrations. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003796	6	100
430	Adiposity as a cause of cardiovascular disease: a Mendelian randomization study. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 578-86	7.8	97
429	Estrogen receptor alpha gene polymorphisms are associated with estradiol levels in postmenopausal women. <i>European Journal of Endocrinology</i> , <b>2005</b> , 153, 327-34	6.5	96
428	Prediction model for knee osteoarthritis incidence, including clinical, genetic and biochemical risk factors. <i>Annals of the Rheumatic Diseases</i> , <b>2014</b> , 73, 2116-21	2.4	95
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414	Leukocyte telomere length associates with prospective mortality independent of immune-related parameters and known genetic markers. <i>International Journal of Epidemiology</i> , <b>2014</b> , 43, 878-86	7.8	83
413	The effects of long-term daily folic acid and vitamin B12 supplementation on genome-wide DNA methylation in elderly subjects. <i>Clinical Epigenetics</i> , <b>2015</b> , 7, 121	7.7	82
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406	Age-related accrual of methylomic variability is linked to fundamental ageing mechanisms. <i>Genome Biology</i> , <b>2016</b> , 17, 191	18.3	80
405	Large-scale association analyses identify host factors influencing human gut microbiome composition. <i>Nature Genetics</i> , <b>2021</b> , 53, 156-165	36.3	80
404	Meta-analysis of gene-environment-wide association scans accounting for education level identifies additional loci for refractive error. <i>Nature Communications</i> , <b>2016</b> , 7, 11008	17.4	79
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311	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , <b>2019</b> , 10, 376	17.4	41
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304	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , <b>2019</b> , 188, 1033-1054	3.8	39
303	PR interval genome-wide association meta-analysis identifies 50 loci associated with atrial and atrioventricular electrical activity. <i>Nature Communications</i> , <b>2018</b> , 9, 2904	17.4	39
302	Fracture incidence and secular trends between 1989 and 2013 in a population based cohort: The Rotterdam Study. <i>Bone</i> , <b>2018</b> , 114, 116-124	4.7	39
301	Epigenome-Wide Association Study Identifies Methylation Sites Associated With Liver Enzymes and Hepatic Steatosis. <i>Gastroenterology</i> , <b>2017</b> , 153, 1096-1106.e2	13.3	38
300	Genome-wide association and functional studies identify a role for IGFBP3 in hip osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , <b>2015</b> , 74, 1861-7	2.4	38
299	Common DNA variants predict tall stature in Europeans. <i>Human Genetics</i> , <b>2014</b> , 133, 587-97	6.3	38
298	Intrinsic and extrinsic risk factors for sagging eyelids. <i>JAMA Dermatology</i> , <b>2014</b> , 150, 836-43	5.1	38
297	Rare Functional Variant in TM2D3 is Associated with Late-Onset Alzheimer's Disease. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006327	6	38
296	Genetic Determinants of Circulating Estrogen Levels and Evidence of a Causal Effect of Estradiol on Bone Density in Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 991-1004	5.6	37
295	BMP-2 gene polymorphisms and osteoporosis: the Rotterdam Study. <i>Journal of Bone and Mineral Research</i> , <b>2006</b> , 21, 845-54	6.3	37
294	Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases. <i>Nature Communications</i> , <b>2018</b> , 9, 1864	17.4	37
293	GWAS of bone size yields twelve loci that also affect height, BMD, osteoarthritis or fractures. <i>Nature Communications</i> , <b>2019</b> , 10, 2054	17.4	36
292	Genome-wide meta-analysis of myopia and hyperopia provides evidence for replication of 11 loci. <i>PLoS ONE</i> , <b>2014</b> , 9, e107110	3.7	36

291	Meta-analysis of genome-wide association studies of aggressive and chronic periodontitis identifies two novel risk loci. <i>European Journal of Human Genetics</i> , <b>2019</b> , 27, 102-113	5.3	36
290	The Influence of Serum Uric Acid on Bone Mineral Density, Hip Geometry, and Fracture Risk: The Rotterdam Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 1113-22	5.6	35
289	Common genes underlying asthma and COPD? Genome-wide analysis on the Dutch hypothesis. <i>European Respiratory Journal</i> , <b>2014</b> , 44, 860-72	13.6	35
288	Exome-sequencing in a large population-based study reveals a rare Asn396Ser variant in the LIPG gene associated with depressive symptoms. <i>Molecular Psychiatry</i> , <b>2017</b> , 22, 537-543	15.1	35
287	Incremental predictive value of 152 single nucleotide polymorphisms in the 10-year risk prediction of incident coronary heart disease: the Rotterdam Study. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 682-8	7.8	35
286	Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. <i>Circulation: Cardiovascular Genetics</i> , <b>2016</b> , 9, 511-520		34
285	Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	34
284	Genome-wide association studies in economics and entrepreneurship research: promises and limitations. <i>Small Business Economics</i> , <b>2010</b> , 35, 1-18	5.3	34
283	Vertebral Fractures in Individuals With Type 2 Diabetes: More Than Skeletal Complications Alone. <i>Diabetes Care</i> , <b>2020</b> , 43, 137-144	14.6	34
282	Effects of Two-Year Vitamin B and Folic Acid Supplementation on Depressive Symptoms and Quality of Life in Older Adults with Elevated Homocysteine Concentrations: Additional Results from the B-PROOF Study, an RCT. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	34
281	Meta-analysis of genome-wide association studies identifies 8 novel loci involved in shape variation of human head hair. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 559-575	5.6	33
280	Tobacco smoking is associated with DNA methylation of diabetes susceptibility genes. <i>Diabetologia</i> , <b>2016</b> , 59, 998-1006	10.3	33
279	GWAS analysis of handgrip and lower body strength in older adults in the CHARGE consortium. <i>Aging Cell</i> , <b>2016</b> , 15, 792-800	9.9	33
278	Genome-wide association study identifies 48 common genetic variants associated with handedness. <i>Nature Human Behaviour</i> , <b>2021</b> , 5, 59-70	12.8	33
277	Newborn DNA-methylation, childhood lung function, and the risks of asthma and COPD across the life course. <i>European Respiratory Journal</i> , <b>2019</b> , 53,	13.6	32
276	Genome of The Netherlands population-specific imputations identify an ABCA6 variant associated with cholesterol levels. <i>Nature Communications</i> , <b>2015</b> , 6, 6065	17.4	32
275	Serum Phosphate Is Associated With Fracture Risk: The Rotterdam Study and MrOS. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 1182-1193	6.3	31
274	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. <i>Nature Communications</i> , <b>2019</b> , 10, 2581	17.4	31

273	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198166	3.7	3 <sup>1</sup>
272	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. <i>Nature Communications</i> , <b>2019</b> , 10, 5121	17.4	3 <sup>1</sup>
271	Pleiotropy among common genetic loci identified for cardiometabolic disorders and C-reactive protein. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118859	3.7	3 <sup>1</sup>
270	Pharmacogenetic risk factors for altered bone mineral density and body composition in pediatric acute lymphoblastic leukemia. <i>Haematologica</i> , <b>2010</b> , 95, 752-9	6.6	3 <sup>1</sup>
269	The -1997 G/T and Sp1 polymorphisms in the collagen type I alpha1 (COL1A1) gene in relation to changes in femoral neck bone mineral density and the risk of fracture in the elderly: the Rotterdam study. <i>Calcified Tissue International</i> , <b>2007</b> , 81, 18-25	3.9	3 <sup>1</sup>
268	Modulation of genetic associations with serum urate levels by body-mass-index in humans. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119752	3.7	3 <sup>1</sup>
267	Whole-Exome Sequencing Identifies Loci Associated with Blood Cell Traits and Reveals a Role for Alternative GFI1B Splice Variants in Human Hematopoiesis. <i>American Journal of Human Genetics</i> , <b>2016</b> , 99, 481-8	11	3 <sup>1</sup>
266	Folic Acid and Vitamin B12 Supplementation and the Risk of Cancer: Long-term Follow-up of the B Vitamins for the Prevention of Osteoporotic Fractures (B-PROOF) Trial. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2019</b> , 28, 275-282	4	3 <sup>1</sup>
265	Large-scale whole-exome sequencing association studies identify rare functional variants influencing serum urate levels. <i>Nature Communications</i> , <b>2018</b> , 9, 4228	17.4	3 <sup>1</sup>
264	Low vitamin D status is associated with more depressive symptoms in Dutch older adults. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 1525-34	5.2	3 <sup>0</sup>
263	and Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2017</b> , 28, 981-994	12.7	3 <sup>0</sup>
262	Genome-wide Trans-ethnic Meta-analysis Identifies Seven Genetic Loci Influencing Erythrocyte Traits and a Role for RBPMS in Erythropoiesis. <i>American Journal of Human Genetics</i> , <b>2017</b> , 100, 51-63	11	3 <sup>0</sup>
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260	A trans-ancestral meta-analysis of genome-wide association studies reveals loci associated with childhood obesity. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 3327-3338	5.6	3 <sup>0</sup>
259	Candidate CSPG4 mutations and induced pluripotent stem cell modeling implicate oligodendrocyte progenitor cell dysfunction in familial schizophrenia. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 757-771	15.1	3 <sup>0</sup>
258	Dietary patterns explaining differences in bone mineral density and hip structure in the elderly: the Rotterdam Study. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 105, 203-211	7	29
257	Bone health and coronary artery calcification: The Rotterdam Study. <i>Atherosclerosis</i> , <b>2015</b> , 241, 278-83	3.1	29
256	Association of Rare Loss-Of-Function Alleles in HAL, Serum Histidine: Levels and Incident Coronary Heart Disease. <i>Circulation: Cardiovascular Genetics</i> , <b>2015</b> , 8, 351-5		29

255	Genome-wide association study for radiographic vertebral fractures: A potential role for the 16q24 BMD locus. <i>Bone</i> , <b>2014</b> , 59, 20-27	4.7	29
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252	The molecular genetic architecture of self-employment. <i>PLoS ONE</i> , <b>2013</b> , 8, e60542	3.7	28
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249	Meta-analysis of genome-wide association studies of HDL cholesterol response to statins. <i>Journal of Medical Genetics</i> , <b>2016</b> , 53, 835-845	5.8	28
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184	Dietary patterns in an elderly population and their relation with bone mineral density: the Rotterdam Study. <i>European Journal of Nutrition</i> , <b>2018</b> , 57, 61-73	5.2	17

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181	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. <i>Journal of Bone and Mineral Research</i> , <b>2019</b> , 34, 1284-1296	6.3	16
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159	TMEM106B influences volume of left-sided temporal lobe and interhemispheric structures in the general population. <i>Biological Psychiatry</i> , <b>2014</b> , 76, 503-8	7.9	14
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- 2 Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose **2020**, 15, e0230815
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