

P Eline Slagboom

List of Publications by Year in Descending Order

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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.

634
papers

49,466
citations

104
h-index

203
g-index

662
ext. papers

59,759
ext. citations

8.1
avg, IF

7.07
L-index

#	Paper	IF	Citations
634	A recurrent neural network architecture to model physical activity energy expenditure in older people. <i>Data Mining and Knowledge Discovery</i> , 2022 , 36, 477-512	5.6	1
633	Functional genomics analysis identifies T and NK cell activation as a driver of epigenetic clock progression.. <i>Genome Biology</i> , 2022 , 23, 24	18.3	6
632	Rare SLC13A1 variants associate with intervertebral disc disorder highlighting role of sulfate in disc pathology.. <i>Nature Communications</i> , 2022 , 13, 634	17.4	3
631	Genome-wide study of DNA methylation shows alterations in metabolic, inflammatory, and cholesterol pathways in ALS.. <i>Science Translational Medicine</i> , 2022 , 14, eabj0264	17.5	4
630	DNA methylation in peripheral tissues and left-handedness.. <i>Scientific Reports</i> , 2022 , 12, 5606	4.9	0
629	1H-NMR metabolomics-based surrogates to impute common clinical risk factors and endpoints.. <i>EBioMedicine</i> , 2021 , 75, 103764	8.8	0
628	Higher thyrotropin leads to unfavorable lipid profile and somewhat higher cardiovascular disease risk: evidence from multi-cohort Mendelian randomization and metabolomic profiling. <i>BMC Medicine</i> , 2021 , 19, 266	11.4	3
627	Association between fat-soluble vitamins and self-reported health status: a cross-sectional analysis of the MARK-AGE cohort. <i>British Journal of Nutrition</i> , 2021 , 1-11	3.6	
626	Validating biomarkers and models for epigenetic inference of alcohol consumption from blood. <i>Clinical Epigenetics</i> , 2021 , 13, 198	7.7	0
625	Dynamic clonal hematopoiesis and functional T-cell immunity in a supercentenarian. <i>Leukemia</i> , 2021 , 35, 2125-2129	10.7	2
624	Correction for both common and rare cell types in blood is important to identify genes that correlate with age. <i>BMC Genomics</i> , 2021 , 22, 184	4.5	0
623	Self-rated health in individuals with and without disease is associated with multiple biomarkers representing multiple biological domains. <i>Scientific Reports</i> , 2021 , 11, 6139	4.9	10
622	Investigating the relationships between unfavourable habitual sleep and metabolomic traits: evidence from multi-cohort multivariable regression and Mendelian randomization analyses. <i>BMC Medicine</i> , 2021 , 19, 69	11.4	1
621	Ageing affects subtelomeric DNA methylation in blood cells from a large European population enrolled in the MARK-AGE study. <i>GeroScience</i> , 2021 , 43, 1283-1302	8.9	0
620	Metabolic biomarker profiling for identification of susceptibility to severe pneumonia and COVID-19 in the general population. <i>ELife</i> , 2021 , 10,	8.9	25
619	Age, Sex, and BMI Influence on Copper, Zinc, and Their Major Serum Carrier Proteins in a Large European Population Including Nonagenarian Offspring From MARK-AGE Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 2097-2106	6.4	3
618	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021 , 53, 840-860	36.3	44

617	Differential insulin sensitivity of NMR-based metabolomic measures in a two-step hyperinsulinemic euglycemic clamp study. <i>Metabolomics</i> , 2021 , 17, 57	4.7	
616	Microbiome in Blood Samples From the General Population Recruited in the MARK-AGE Project: A Pilot Study. <i>Frontiers in Microbiology</i> , 2021 , 12, 707515	5.7	3
615	Shared genetic risk between eating disorder- and substance-use-related phenotypes: Evidence from genome-wide association studies. <i>Addiction Biology</i> , 2021 , 26, e12880	4.6	12
614	Families in comparison: An individual-level comparison of life-course and family reconstructions between population and vital event registers. <i>Population Studies</i> , 2021 , 75, 91-110	2.5	7
613	Associations of Cytomegalovirus Infection With All-Cause and Cardiovascular Mortality in Multiple Observational Cohort Studies of Older Adults. <i>Journal of Infectious Diseases</i> , 2021 , 223, 238-246	7	8
612	DNA methylation signatures of aggression and closely related constructs: A meta-analysis of epigenome-wide studies across the lifespan. <i>Molecular Psychiatry</i> , 2021 , 26, 2148-2162	15.1	7
611	Genome-wide association study of circulating interleukin 6 levels identifies novel loci. <i>Human Molecular Genetics</i> , 2021 , 30, 393-409	5.6	6
610	Association of Thyroid Dysfunction With Cognitive Function: An Individual Participant Data Analysis. <i>JAMA Internal Medicine</i> , 2021 , 181, 1440-1450	11.5	4
609	Identical twins carry a persistent epigenetic signature of early genome programming. <i>Nature Communications</i> , 2021 , 12, 5618	17.4	6
608	Functional Changes of T-Cell Subsets with Age and CMV Infection. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
607	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021 , 53, 1311-1321	36.3	27
606	Deciphering osteoarthritis genetics across 826,690 individuals from 9 populations. <i>Cell</i> , 2021 , 184, 4784-4818.e17	36.18	17
605	Large-scale cis- and trans-eQTL analyses identify thousands of genetic loci and polygenic scores that regulate blood gene expression. <i>Nature Genetics</i> , 2021 , 53, 1300-1310	36.3	60
604	Improved selection of participants in genetic longevity studies: family scores revisited. <i>BMC Medical Research Methodology</i> , 2021 , 21, 7	4.7	0
603	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020 , 11, 6285	17.4	22
602	Longevity Relatives Count score identifies heritable longevity carriers and suggests case improvement in genetic studies. <i>Aging Cell</i> , 2020 , 19, e13139	9.9	5
601	Repeat UVA exposure of human skin fibroblasts induces both a transitional and recovery DNA methylation response. <i>Epigenomics</i> , 2020 , 12, 563-573	4.4	1
600	Metabolomics analyses in non-diabetic middle-aged individuals reveal metabolites impacting early glucose disturbances and insulin sensitivity. <i>Metabolomics</i> , 2020 , 16, 35	4.7	3

599	Systematic Evaluation of Normalization Methods for Glycomics Data Based on Performance of Network Inference. <i>Metabolites</i> , 2020 , 10,	5.6	5
598	Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases. <i>Science Advances</i> , 2020 , 6, eaax0301	14.3	38
597	Association of handgrip strength with patient-reported outcome measures after total hip and knee arthroplasty. <i>Rheumatology International</i> , 2020 , 40, 565-571	3.6	2
596	Genome-wide Association Analysis in Humans Links Nucleotide Metabolism to Leukocyte Telomere Length. <i>American Journal of Human Genetics</i> , 2020 , 106, 389-404	11	40
595	Integration of epidemiologic, pharmacologic, genetic and gut microbiome data in a drug-metabolite atlas. <i>Nature Medicine</i> , 2020 , 26, 110-117	50.5	19
594	Lifestyle-Intervention-Induced Reduction of Abdominal Fat Is Reflected by a Decreased Circulating Glycerol Level and an Increased HDL Diameter. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900818	5.9	3
593	Heritability estimates for 361 blood metabolites across 40 genome-wide association studies. <i>Nature Communications</i> , 2020 , 11, 39	17.4	21
592	Prevalence and Loads of Torquetenovirus in the European MARK-AGE Study Population. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 1838-1845	6.4	6
591	Interrelationships Between Pituitary Hormones as Assessed From 24-hour Serum Concentrations in Healthy Older Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	7
590	Serum fatty acid chain length associates with prevalent symptomatic end-stage osteoarthritis, independent of BMI. <i>Scientific Reports</i> , 2020 , 10, 15459	4.9	4
589	Genetics and Not Shared Environment Explains Familial Resemblance in Adult Metabolomics Data. <i>Twin Research and Human Genetics</i> , 2020 , 23, 145-155	2.2	3
588	Activity recognition using wearable sensors for tracking the elderly. <i>User Modeling and User-Adapted Interaction</i> , 2020 , 30, 567-605	3.9	13
587	Broad phenotype of cysteine-altering variants in UK Biobank: CADASIL to nonpenetrance. <i>Neurology</i> , 2020 , 95, e1835-e1843	6.5	16
586	Intergenerational transmission of longevity is not affected by other familial factors: evidence from 16,905 Dutch families from Zeeland, 1812-1962. <i>The History of the Family</i> , 2020 , 25, 484-526	1	2
585	Metabolic Age Based on the BBMRI-NL H-NMR Metabolomics Repository as Biomarker of Age-related Disease. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, 541-547	5.2	7
584	Genome-wide identification of genes regulating DNA methylation using genetic anchors for causal inference. <i>Genome Biology</i> , 2020 , 21, 220	18.3	10
583	Association of common genetic variants with brain microbleeds: A genome-wide association study. <i>Neurology</i> , 2020 , 95, e3331-e3343	6.5	10
582	The Prognostic Value of Metabolic Profiling in Older Patients With a Proximal Femoral Fracture. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2020 , 11, 2151459320960091	2	

581	Basal cell carcinoma genetic susceptibility increases the rate of skin ageing: a Mendelian randomization study. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020 , 34, 97-100	4.6	3
580	Metabolomics Profile in Depression: A Pooled Analysis of 230 Metabolic Markers in 5283 Cases With Depression and 10,145 Controls. <i>Biological Psychiatry</i> , 2020 , 87, 409-418	7.9	51
579	Fast LC-ESI-MS/MS analysis and influence of sampling conditions for gut metabolites in plasma and serum. <i>Scientific Reports</i> , 2019 , 9, 12370	4.9	8
578	Validated inference of smoking habits from blood with a finite DNA methylation marker set. <i>European Journal of Epidemiology</i> , 2019 , 34, 1055-1074	12.1	10
577	Repeat variations in polyglutamine disease-associated genes and cognitive function in old age. <i>Neurobiology of Aging</i> , 2019 , 84, 236.e17-236.e28	5.6	3
576	A nonsynonymous mutation in PLCG2 reduces the risk of Alzheimer's disease, dementia with Lewy bodies and frontotemporal dementia, and increases the likelihood of longevity. <i>Acta Neuropathologica</i> , 2019 , 138, 237-250	14.3	50
575	Metabolomic and lipidomic assessment of the metabolic syndrome in Dutch middle-aged individuals reveals novel biological signatures separating health and disease. <i>Metabolomics</i> , 2019 , 15, 23	4.7	24
574	Gut Microbial Associations to Plasma Metabolites Linked to Cardiovascular Phenotypes and Risk. <i>Circulation Research</i> , 2019 , 124, 1808-1820	15.7	77
573	Large-scale plasma metabolome analysis reveals alterations in HDL metabolism in migraine. <i>Neurology</i> , 2019 , 92, e1899-e1911	6.5	26
572	Frailty Questionnaire Is Not a Strong Prognostic Factor for Functional Outcomes in Hip or Knee Arthroplasty Patients. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2019 , 10, 2151459318808164	2	4
571	L1 drives IFN in senescent cells and promotes age-associated inflammation. <i>Nature</i> , 2019 , 566, 73-78	50.4	364
570	Repeat length variations in polyglutamine disease-associated genes affect body mass index. <i>International Journal of Obesity</i> , 2019 , 43, 440-449	5.5	8
569	A metabolic profile of all-cause mortality risk identified in an observational study of 44,168 individuals. <i>Nature Communications</i> , 2019 , 10, 3346	17.4	89
568	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. <i>Communications Biology</i> , 2019 , 2, 285	6.7	14
567	A meta-analysis of genome-wide association studies identifies multiple longevity genes. <i>Nature Communications</i> , 2019 , 10, 3669	17.4	102
566	Metabolomics reveals a link between homocysteine and lipid metabolism and leukocyte telomere length: the ENGAGE consortium. <i>Scientific Reports</i> , 2019 , 9, 11623	4.9	2
565	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. <i>Nature Genetics</i> , 2019 , 51, 1207-1214	36.3	303
564	Senescent human melanocytes drive skin ageing via paracrine telomere dysfunction. <i>EMBO Journal</i> , 2019 , 38, e101982	13	69

563	Epigenome-wide Association Study of Attention-Deficit/Hyperactivity Disorder Symptoms in Adults. <i>Biological Psychiatry</i> , 2019 , 86, 599-607	7.9	24
562	Nutritional Factors Modulating Alu Methylation in an Italian Sample from The Mark-Age Study Including Offspring of Healthy Nonagenarians. <i>Nutrients</i> , 2019 , 11,	6.7	3
561	RNA sequencing data integration reveals an miRNA interactome of osteoarthritis cartilage. <i>Annals of the Rheumatic Diseases</i> , 2019 , 78, 270-277	2.4	62
560	Longevity defined as top 10% survivors and beyond is transmitted as a quantitative genetic trait. <i>Nature Communications</i> , 2019 , 10, 35	17.4	35
559	Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. <i>Neurology</i> , 2019 ,	6.5	17
558	The ApoE ϵ Isoform: Can the Risk of Diseases be Reduced by Environmental Factors?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 99-107	6.4	13
557	Antioxidants linked with physical, cognitive and psychological frailty: Analysis of candidate biomarkers and markers derived from the MARK-AGE study. <i>Mechanisms of Ageing and Development</i> , 2019 , 177, 135-143	5.6	16
556	Stress evokes stronger medial posterior cingulate deactivations during emotional distraction in slower paced aging. <i>Biological Psychology</i> , 2018 , 135, 84-92	3.2	5
555	DNA methylation as a mediator of the association between prenatal adversity and risk factors for metabolic disease in adulthood. <i>Science Advances</i> , 2018 , 4, eaao4364	14.3	143
554	Genome-wide association study in 79,366 European-ancestry individuals informs the genetic architecture of 25-hydroxyvitamin D levels. <i>Nature Communications</i> , 2018 , 9, 260	17.4	174
553	Circulating metabolites and general cognitive ability and dementia: Evidence from 11 cohort studies. <i>Alzheimer's and Dementia</i> , 2018 , 14, 707-722	1.2	76
552	The Leiden Family Lab study on Social Anxiety Disorder: A multiplex, multigenerational family study on neurocognitive endophenotypes. <i>International Journal of Methods in Psychiatric Research</i> , 2018 , 27, e1616	4.3	13
551	Longevity Around the Turn of the 20th Century: Life-Long Sustained Survival Advantage for Parents of Today's Nonagenarians. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1295-1302	6.4	11
550	Facial Wrinkles in Europeans: A Genome-Wide Association Study. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 1877-1880	4.3	4
549	DNA methylation signatures of educational attainment. <i>Npj Science of Learning</i> , 2018 , 3, 7	6	14
548	Survival analysis with delayed entry in selected families with application to human longevity. <i>Statistical Methods in Medical Research</i> , 2018 , 27, 933-954	2.3	5
547	Large-scale pharmacogenomic study of sulfonylureas and the QT, JT and QRS intervals: CHARGE Pharmacogenomics Working Group. <i>Pharmacogenomics Journal</i> , 2018 , 18, 127-135	3.5	9
546	IgG glycosylation and DNA methylation are interconnected with smoking. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 637-648	4	25

545	Zinc-Induced Metallothionein in Centenarian Offspring From a Large European Population: The MARK-AGE Project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 745-753	6.4	6
544	Phenome and genome based studies into human ageing and longevity: An overview. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 2742-2751	6.9	21
543	Metabolite ratios as potential biomarkers for type 2 diabetes: a DIRECT study. <i>Diabetologia</i> , 2018 , 61, 117-129	10.3	21
542	Age-related DNA methylation changes are tissue-specific with ELOVL2 promoter methylation as exception. <i>Epigenetics and Chromatin</i> , 2018 , 11, 25	5.8	76
541	High Adiposity Is Associated With Higher Nocturnal and Diurnal Glycaemia, but Not With Glycemic Variability in Older Individuals Without Diabetes. <i>Frontiers in Endocrinology</i> , 2018 , 9, 238	5.7	4
540	Genome-Wide Association Study on Immunoglobulin G Glycosylation Patterns. <i>Frontiers in Immunology</i> , 2018 , 9, 277	8.4	36
539	A characterization of postzygotic mutations identified in monozygotic twins. <i>Human Mutation</i> , 2018 , 39, 1393-1401	4.7	8
538	Genome-wide identification of directed gene networks using large-scale population genomics data. <i>Nature Communications</i> , 2018 , 9, 3097	17.4	13
537	Do senescence markers correlate in vitro and in situ within individual human donors?. <i>Aging</i> , 2018 , 10, 278-289	5.6	11
536	Frailty in end-stage hip or knee osteoarthritis: validation of the Groningen Frailty Indicator (GFI) questionnaire. <i>Rheumatology International</i> , 2018 , 38, 917-924	3.6	11
535	O5-04-01: A RARE GENETIC VARIANT IN THE PLCG2 GENE IS ASSOCIATED WITH A REDUCED RISK OF ALL MAJOR TYPES OF DEMENTIA AND AN INCREASED RISK TO REACH AN EXTREMELY OLD AGE 2018 , 14, P1648-P1649		
534	Blood Metabolomic Measures Associate With Present and Future Glycemic Control in Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 4569-4579	5.6	18
533	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. <i>EBioMedicine</i> , 2018 , 38, 206-216	8.8	19
532	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. <i>Nature Communications</i> , 2018 , 9, 4455	17.4	75
531	Establishing a Twin Register: An Invaluable Resource for (Behavior) Genetic, Epidemiological, Biomarker, and Omics Studies. <i>Twin Research and Human Genetics</i> , 2018 , 21, 239-252	2.2	15
530	Autosomal genetic variation is associated with DNA methylation in regions variably escaping X-chromosome inactivation. <i>Nature Communications</i> , 2018 , 9, 3738	17.4	12
529	Facing up to the global challenges of ageing. <i>Nature</i> , 2018 , 561, 45-56	50.4	342
528	Sex Differences in Genetic Associations With Longevity. <i>JAMA Network Open</i> , 2018 , 1, e181670	10.4	40

527	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018 , 9, 2098	17.4	254
526	Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. <i>Molecular Psychiatry</i> , 2017 , 22, 192-201	15.1	31
525	Assessment of health status by molecular measures in adults ranging from middle-aged to old: Ready for clinical use?. <i>Experimental Gerontology</i> , 2017 , 87, 175-181	4.5	8
524	A genome-wide interaction analysis of tricyclic/tetracyclic antidepressants and RR and QT intervals: a pharmacogenomics study from the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium. <i>Journal of Medical Genetics</i> , 2017 , 54, 313-323	5.8	5
523	Prolonged high-fat diet induces gradual and fat depot-specific DNA methylation changes in adult mice. <i>Scientific Reports</i> , 2017 , 7, 43261	4.9	31
522	Short telomere length is associated with impaired cognitive performance in European ancestry cohorts. <i>Translational Psychiatry</i> , 2017 , 7, e1100	8.6	38
521	Significant Locus and Metabolic Genetic Correlations Revealed in Genome-Wide Association Study of Anorexia Nervosa. <i>American Journal of Psychiatry</i> , 2017 , 174, 850-858	11.9	276
520	Activation-Induced Autophagy Is Preserved in CD4+ T-Cells in Familial Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1201-1206	6.4	27
519	Negative selection in humans and fruit flies involves synergistic epistasis. <i>Science</i> , 2017 , 356, 539-542	33.3	53
518	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017 , 8, 14977	17.4	105
517	Familial longevity is characterized by high circadian rhythmicity of serum cholesterol in healthy elderly individuals. <i>Aging Cell</i> , 2017 , 16, 237-243	9.9	16
516	Disease variants alter transcription factor levels and methylation of their binding sites. <i>Nature Genetics</i> , 2017 , 49, 131-138	36.3	252
515	Identification of context-dependent expression quantitative trait loci in whole blood. <i>Nature Genetics</i> , 2017 , 49, 139-145	36.3	240
514	Secondary phenotype analysis in ascertained family designs: application to the Leiden longevity study. <i>Statistics in Medicine</i> , 2017 , 36, 2288-2301	2.3	12
513	Automated quantification of metabolites in blood-derived samples by NMR. <i>Analytica Chimica Acta</i> , 2017 , 976, 52-62	6.6	18
512	Phenotypic screening of cannabinoid receptor 2 ligands shows different sensitivity to genotype. <i>Biochemical Pharmacology</i> , 2017 , 130, 60-70	6	3
511	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> , 2017 , 100, 51-63	11	30
510	Human Plasma N-glycosylation as Analyzed by Matrix-Assisted Laser Desorption/Ionization-Fourier Transform Ion Cyclotron Resonance-MS Associates with Markers of Inflammation and Metabolic Health. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 228-242	7.6	46

509	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , 2017 , 541, 81-86	50.4	511
508	Homocysteine levels associate with subtle changes in leukocyte DNA methylation: an epigenome-wide analysis. <i>Epigenomics</i> , 2017 , 9, 1403-1422	4.4	4
507	Subclass-specific IgG glycosylation is associated with markers of inflammation and metabolic health. <i>Scientific Reports</i> , 2017 , 7, 12325	4.9	74
506	Genome-wide meta-analysis associates HLA-DQA1/DRB1 and LPA and lifestyle factors with human longevity. <i>Nature Communications</i> , 2017 , 8, 910	17.4	78
505	Small nucleoli are a cellular hallmark of longevity. <i>Nature Communications</i> , 2017 , 8, 16083	17.4	119
504	Genome-wide association and functional studies identify a role for matrix Gla protein in osteoarthritis of the hand. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 2046-2053	2.4	42
503	No Causal Association between 25-Hydroxyvitamin D and Features of Skin Aging: Evidence from a Bidirectional Mendelian Randomization Study. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 2291-2297	4.3	4
502	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , 2017 , 101, 888-902	11	83
501	A framework for the detection of de novo mutations in family-based sequencing data. <i>European Journal of Human Genetics</i> , 2017 , 25, 227-233	5.3	19
500	High Liver Enzyme Concentrations are Associated with Higher Glycemia, but not with Glycemic Variability, in Individuals without Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2017 , 8, 236	5.7	4
499	Comparison of HapMap and 1000 Genomes Reference Panels in a Large-Scale Genome-Wide Association Study. <i>PLoS ONE</i> , 2017 , 12, e0167742	3.7	21
498	Genetically defined elevated homocysteine levels do not result in widespread changes of DNA methylation in leukocytes. <i>PLoS ONE</i> , 2017 , 12, e0182472	3.7	8
497	The complex genetics of gait speed: genome-wide meta-analysis approach. <i>Aging</i> , 2017 , 9, 209-246	5.6	16
496	Thyroid status and mortality in nonagenarians from long-lived families and the general population. <i>Aging</i> , 2017 , 9, 2223-2234	5.6	12
495	GWAS for executive function and processing speed suggests involvement of the CADM2 gene. <i>Molecular Psychiatry</i> , 2016 , 21, 189-197	15.1	85
494	A reference panel of 64,976 haplotypes for genotype imputation. <i>Nature Genetics</i> , 2016 , 48, 1279-83	36.3	1447
493	Genetic and environmental influences interact with age and sex in shaping the human methylome. <i>Nature Communications</i> , 2016 , 7, 11115	17.4	200
492	Genome-wide study for circulating metabolites identifies 62 loci and reveals novel systemic effects of LPA. <i>Nature Communications</i> , 2016 , 7, 11122	17.4	335

491	A high-quality human reference panel reveals the complexity and distribution of genomic structural variants. <i>Nature Communications</i> , 2016 , 7, 12989	17.4	70
490	Both low circulating insulin-like growth factor-1 and high-density lipoprotein cholesterol are associated with hair loss in middle-aged women. <i>British Journal of Dermatology</i> , 2016 , 175, 728-34	4	5
489	Cortical phase changes measured using 7-T MRI in subjects with subjective cognitive impairment, and their association with cognitive function. <i>NMR in Biomedicine</i> , 2016 , 29, 1289-94	4.4	9
488	The effect of forced exercise on knee joints in Dio2(-/-) mice: type II iodothyronine deiodinase-deficient mice are less prone to develop OA-like cartilage damage upon excessive mechanical stress. <i>Annals of the Rheumatic Diseases</i> , 2016 , 75, 571-7	2.4	19
487	P16INK4a Positive Cells in Human Skin Are Indicative of Local Elastic Fiber Morphology, Facial Wrinkling, and Perceived Age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 1022-8	6.4	33
486	Systematic discovery of complex insertions and deletions in human cancers. <i>Nature Medicine</i> , 2016 , 22, 97-104	50.5	62
485	Neo-cartilage engineered from primary chondrocytes is epigenetically similar to autologous cartilage, in contrast to using mesenchymal stem cells. <i>Osteoarthritis and Cartilage</i> , 2016 , 24, 1423-30	6.2	22
484	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , 2016 , 7, 10494	17.4	107
483	Effect of calendar age on physical performance: A comparison of standard clinical measures with instrumented measures in middle-aged to older adults. <i>Gait and Posture</i> , 2016 , 45, 12-8	2.6	1
482	Tobacco smoking is associated with DNA methylation of diabetes susceptibility genes. <i>Diabetologia</i> , 2016 , 59, 998-1006	10.3	33
481	Refined mapping of autoimmune disease associated genetic variants with gene expression suggests an important role for non-coding RNAs. <i>Journal of Autoimmunity</i> , 2016 , 68, 62-74	15.5	44
480	Transmission of human mtDNA heteroplasmy in the Genome of the Netherlands families: support for a variable-size bottleneck. <i>Genome Research</i> , 2016 , 26, 417-26	9.7	48
479	Non-response to (statin) therapy: the importance of distinguishing non-responders from non-adherers in pharmacogenetic studies. <i>European Journal of Clinical Pharmacology</i> , 2016 , 72, 431-7	2.8	15
478	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. <i>Human Molecular Genetics</i> , 2016 , 25, 358-70	5.6	54
477	Detecting dispersed duplications in high-throughput sequencing data using a database-free approach. <i>Bioinformatics</i> , 2016 , 32, 505-10	7.2	10
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466	Aberrant Calreticulin Expression in Articular Cartilage of Dio2 Deficient Mice. <i>PLoS ONE</i> , 2016 , 11, e0154999		2
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456	The MC1R Gene and Youthful Looks. <i>Current Biology</i> , 2016 , 26, 1213-20	6.3	42

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361	Genes expressed in blood link osteoarthritis with apoptotic pathways. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, 1844-53	2.4	47
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345	The shared allelic architecture of adiponectin levels and coronary artery disease. <i>Atherosclerosis</i> , 2013 , 229, 145-8	3.1	25
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343	Exome sequencing-driven discovery of coding polymorphisms associated with common metabolic phenotypes. <i>Diabetologia</i> , 2013 , 56, 298-310	10.3	102
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318	Metabolic health in families enriched for longevity is associated with low prevalence of hand osteoarthritis and influences OA biomarker profiles. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, 1669-74 ^{2.4}	12	
317	Facial appearance reflects human familial longevity and cardiovascular disease risk in healthy individuals. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 145-52	6.4	28
316	The Adult Netherlands Twin Register: twenty-five years of survey and biological data collection. <i>Twin Research and Human Genetics</i> , 2013 , 16, 271-81	2.2	162
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313	Ambulant 24-h glucose rhythms mark calendar and biological age in apparently healthy individuals. <i>Aging Cell</i> , 2013 , 12, 207-13	9.9	18
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16	Further Evidence for a QTL Influencing Body Mass Index on Chromosome 7p from a Genome-wide Scan in Dutch Families		1
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14	Genome-wide identification of directed gene networks using large-scale population genomics data		1
13	Disease variants alter transcription factor levels and methylation of their binding sites		6
12	Hypothesis-free identification of modulators of genetic risk factors		7
11	A high-quality reference panel reveals the complexity and distribution of structural genome changes in a human population		3
10	Blood biomarker score identifies individuals at high risk for severe COVID-19 a decade prior to diagnosis: metabolic profiling of 105,000 adults in the UK Biobank		7
9	Genomic and phenomic insights from an atlas of genetic effects on DNA methylation		7
8	Identifying tissues implicated in Anorexia Nervosa using Transcriptomic Imputation		1
7	Unraveling the polygenic architecture of complex traits using blood eQTL metaanalysis		175
6	Genome-wide association study of plasma triglycerides, phospholipids and relation to cardio-metabolic risk factors		4

5	Predicting biological age based on the BBMRI-NL 1H-NMR metabolomics repository	3
4	The genomic architecture of blood metabolites based on a decade of genome-wide analyses	1
3	Dynamic Clonal Hematopoiesis and Functional T-cell Immunity in a Super-centenarian	1
2	Systematic evaluation of normalization methods for glycomics data based on performance of network inference	1
1	Genome-wide identification of genes regulating DNA methylation using genetic anchors for causal inference	1