Sara HÃ¤gg

List of Publications by Year
in descending order

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Version: 2024-02-01

101 papers	9,699 citations	94381 37 h-index	48277 88 g-index

130 all docs	130 docs citations	130 times ranked	17769 citing authors

#	Article	IF	Citations
1	Genome-wide meta-analysis identifies new loci and functional pathways influencing Alzheimerâ€™s disease risk. Nature Genetics, 2019, 51, 404-413.	9.4	1,625
2	Genome-wide association meta-analysis in 269,867 individuals identifies new genetic and functional links to intelligence. Nature Genetics, 2018, 50, 912-919.	9.4	893
3	Identification of seven loci affecting mean telomere length and their association with disease. Nature Genetics, 2013, 45, 422-427.	9.4	808
4	GWAS of 126,559 Individuals Identifies Genetic Variants Associated with Educational Attainment. Science, 2013, 340, 1467-1471.	6.0	750
5	Biological Age Predictors. EBioMedicine, 2017, 21, 29-36.	2.7	713
6	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. Nature Communications, 2018, 9, 2098.	5.8	484
7	The impact of low-frequency and rare variants on lipid levels. Nature Genetics, 2015, 47, 589-597.	9.4	310
8	Telomere Length and All-Cause Mortality: A Meta-analysis. Ageing Research Reviews, 2018, 48, 11-20.	5.0	210
9	The Role of Adiposity in Cardiometabolic Traits: A Mendelian Randomization Analysis. PLoS Medicine, 2013, 10, e1001474.	3.9	178
10	Longitudinal trajectories, correlations and mortality associations of nine biological ages across 20-years follow-up. ELife, 2020, 9, .	2.8	177
11	Sex differences in biological aging with a focus on human studies. ELife, 2021, 10, .	2.8	146
12	Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects. Nature Genetics, 2022, 54, 581-592.	9.4	142
13	Age, Frailty, and Comorbidity as Prognostic Factors for Short-Term Outcomes in Patients With Coronavirus Disease 2019 in Geriatric Care. Journal of the American Medical Directors Association, 2020, 21, 1555-1559.e2.	1.2	141
14	Common variants in Alzheimerâ€™s disease and risk stratification by polygenic risk scores. Nature Communications, 2021, 12, 3417.	5.8	140
15	Adiposity as a cause of cardiovascular disease: a Mendelian randomization study. International Journal of Epidemiology, 2015, 44, 578-586.	0.9	123
16	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. Nature Communications, 2018, 9, 5141.	5.8	119
17	Multi-Organ Expression Profiling Uncovers a Gene Module in Coronary Artery Disease Involving Transendothelial Migration of Leukocytes and LIM Domain Binding 2: The Stockholm Atherosclerosis Gene Expression (STAGE) Study. PLoS Genetics, 2009, 5, e1000754.	1.5	118
18	Genome-wide Association Analysis in Humans Links Nucleotide Metabolism to Leukocyte Telomere Length. American Journal of Human Genetics, 2020, 106, 389-404.	2.6	118

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19	Telomere Length Shortening and Alzheimer Diseaseâ€"A Mendelian Randomization Study. JAMA Neurology, 2015, 72, 1202.	4.5	107
20	Telomere length in circulating leukocytes is associated with lung function and disease. European Respiratory Journal, 2014, 43, 983-992.	3.1	103
21	Leukocyte telomere length associates with prospective mortality independent of immune-related parameters and known genetic markers. International Journal of Epidemiology, 2014, 43, 878-886.	0.9	95
22	A computational solution for bolstering reliability of epigenetic clocks: implications for clinical trials and longitudinal tracking. Nature Aging, 2022, 2, 644-661.	5.3	95
23	Genome-wide association studies identify 137 genetic loci for DNA methylation biomarkers of aging. Genome Biology, 2021, 22, 194.	3.8	90
24	A Frailty Index for UK Biobank Participants. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 582-587.	1.7	83
25	Evidence of a Causal Relationship Between Adiponectin Levels and Insulin Sensitivity: A Mendelian Randomization Study. Diabetes, 2013, 62, 1338-1344.	0.3	81
26	Tracking the Epigenetic Clock Across the Human Life Course: A Meta-analysis of Longitudinal Cohort Data. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 57-61.	1.7	81
27	Exploring the Causal Pathway From Telomere Length to Coronary Heart Disease. Circulation Research, 2017, 121, 214-219.	2.0	74
28	A genomeâ€wide association study of the frailty index highlights brain pathways in ageing. Aging Cell, 2021, 20, e13459.	3.0	74
29	Epigenetic influences on aging: a longitudinal genome-wide methylation study in old Swedish twins. Epigenetics, 2018, 13, 975-987.	1.3	65
30	Plasma Cholesterolâ€"Induced Lesion Networks Activated before Regression of Early, Mature, and Advanced Atherosclerosis. PLoS Genetics, 2014, 10, e1004201.	1.5	64
31	Age- and Sex-Specific Causal Effects of Adiposity on Cardiovascular Risk Factors. Diabetes, 2015, 64, 1841-1852.	0.3	63
32	DNA mismatch repair gene MSH6 implicated in determining age at natural menopause. Human Molecular Genetics, 2014, 23, 2490-2497.	1.4	56
33	Gene-based meta-analysis of genome-wide association studies implicates new loci involved in obesity. Human Molecular Genetics, 2015, 24, 6849-6860.	1.4	55
34	Vitamin D and cognitive function: A Mendelian randomisation study. Scientific Reports, 2017, 7, 13230.	1.6	50
35	Deciphering the genetic and epidemiological landscape of mitochondrial DNA abundance. Human Genetics, 2021, 140, 849-861.	1.8	47
36	The frailty index is a predictor of cause-specific mortality independent of familial effects from midlife onwards: a large cohort study. BMC Medicine, 2019, 17, 94.	2.3	46

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37	Dominant Genetic Variation and Missing Heritability for Human Complex Traits: Insights from Twin versus Genome-wide Common SNP Models. American Journal of Human Genetics, 2015, 97, 708-714.	2.6	45
38	Longitudinal decline of leukocyte telomere length in old age and the association with sex and genetic risk. Aging, 2016, 8, 1398-1415.	1.4	45
39	Frailty index as a predictor of all-cause and cause-specific mortality in a Swedish population-based cohort. Aging, 2017, 9, 2629-2646.	1.4	45
40	Telomere length and cardiovascular disease risk. Current Opinion in Cardiology, 2019, 34, 270-274.	0.8	42
41	Habitual coffee consumption and cognitive function: a Mendelian randomization meta-analysis in up to 415,530 participants. Scientific Reports, 2018, 8, 7526.	1.6	36
42	Human aging DNA methylation signatures are conserved but accelerated in cultured fibroblasts. Epigenetics, 2019, 14, 961-976.	1.3	36
43	Genetic heterogeneity and subtypes of major depression. Molecular Psychiatry, 2022, 27, 1667-1675.	4.1	36
44	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. Royal Society Open Science, 2019, 6, 190420.	1.1	33
45	Association of telomere length with general cognitive trajectories: a meta-analysis of four prospective cohort studies. Neurobiology of Aging, 2018, 69, 111-116.	1.5	32
46	Frailty and comorbidity in predicting community <scp>COVID</scp>â€19 mortality in the <scp>U.K.</scp> Biobank: The effect of sampling. Journal of the American Geriatrics Society, 2021, 69, 1128-1139.	1.3	32
47	Drivers of Frailty from Adulthood into Old Age: Results from a 27-Year Longitudinal Population-Based Study in Sweden. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1943-1950.	1.7	30
48	Large-scale non-targeted metabolomic profiling in three human population-based studies. Metabolomics, 2016, 12, 1.	1.4	29
49	A decade of epigenetic change in aging twins: Genetic and environmental contributions to longitudinal DNA methylation. Aging Cell, 2020, 19, e13197.	3.0	29
50	Circulating antioxidants and Alzheimer disease prevention: a Mendelian randomization study. American Journal of Clinical Nutrition, 2019, 109, 90-98.	2.2	28
51	Marital status, telomere length and cardiovascular disease risk in a Swedish prospective cohort. Heart, 2020, 106, 267-272.	1.2	28
52	DNA Methylation and All-Cause Mortality in Middle-Aged and Elderly Danish Twins. Genes, 2018, 9, 78.	1.0	27
53	Longitudinal changes in the genetic and environmental influences on the epigenetic clocks across old age: Evidence from two twin cohorts. EBioMedicine, 2019, 40, 710-716.	2.7	27
54	Apolipoprotein E DNA methylation and late-life disease. International Journal of Epidemiology, 2018, 47, 899-907.	0.9	22

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55	Reciprocal interaction between depression and pain: results from a comprehensive bidirectional Mendelian randomization study and functional annotation analysis. Pain, 2022, 163, e40-e48.	2.0	22
56	Comprehensive longitudinal study of epigenetic mutations in aging. Clinical Epigenetics, 2019, 11, 187.	1.8	21
57	DNA methylation signatures of aggression and closely related constructs: A meta-analysis of epigenome-wide studies across the lifespan. Molecular Psychiatry, 2021, 26, 2148-2162.	4.1	21
58	Genetically-predicted life-long lowering of low-density lipoprotein cholesterol is associated with decreased frailty: A Mendelian randomization study in UK biobank. EBioMedicine, 2019, 45, 487-494.	2.7	19
59	Can markers of biological age predict dependency in old age?. Biogerontology, 2019, 20, 321-329.	2.0	19
60	Developments in molecular epidemiology of aging. Emerging Topics in Life Sciences, 2019, 3, 411-421.	1.1	19
61	Leukocyte Telomere Length and All-Cause Mortality: A Between-Within Twin Study With Time-Dependent Effects Using Generalized Survival Models. American Journal of Epidemiology, 2018, 187, 2186-2191.	1.6	18
62	Childhood Adoption and Mental Health in Adulthood: The Role of Gene-Environment Correlations and Interactions in the UK Biobank. Biological Psychiatry, 2020, 87, 708-716.	0.7	18
63	Carotid Plaque Age Is a Feature of Plaque Stability Inversely Related to Levels of Plasma Insulin. PLoS ONE, 2011, 6, e18248.	1.1	18
64	Genetic Variation in Targets of Antidiabetic Drugs and Alzheimer Disease Risk. Neurology, 2022, 99, .	1.5	18
65	Polyunsaturated fatty acids and risk of Alzheimerâ€™s disease: a Mendelian randomization study. European Journal of Nutrition, 2020, 59, 1763-1766.	1.8	17
66	DNA methylation outlier burden, health, and ageing in Generation Scotland and the Lothian Birth Cohorts of 1921 and 1936. Clinical Epigenetics, 2020, 12, 49.	1.8	17
67	Circulating insulin-like growth factors and Alzheimer disease. Neurology, 2018, 90, e291-e297.	1.5	16
68	Should we invest in biological age predictors to treat colorectal cancer in older adults?. European Journal of Surgical Oncology, 2020, 46, 316-320.	0.5	16
69	Association between genetically predicted telomere length and facial skin aging in the UK Biobank: a Mendelian randomization study. GeroScience, 2021, 43, 1519-1525.	2.1	16
70	Frailty trajectories in three longitudinal studies of aging: Is the level or the rate of change more predictive of mortality?. Age and Ageing, 2021, 50, 2174-2182.	0.7	16
71	Genetics of age-at-onset in major depression. Translational Psychiatry, 2022, 12, 124.	2.4	15
72	A geroscience approach for Parkinsonâ€™s disease: Conceptual framework and design of PROPAG-AGEING project. Mechanisms of Ageing and Development, 2021, 194, 111426.	2.2	14

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73	COVID vaccination in older adults. Nature Microbiology, 2022, 7, 1106-1107.	5.9	14
74	Implementing a method for studying longitudinal DNA methylation variability in association with age. Epigenetics, 2018, 13, 866-874.	1.3	13
75	Clinical biomarkers and associations with healthspan and lifespan: Evidence from observational and genetic data. EBioMedicine, 2021, 66, 103318.	2.7	12
76	Inactivation of the budding yeast cohesin loader Scc2 alters gene expression both globally and in response to a single DNA double strand break. Cell Cycle, 2014, 13, 3645-3658.	1.3	11
77	Sex differences in genetic and environmental influences on frailty and its relation to body mass index and education. Aging, 2021, 13, 16990-17023.	1.4	11
78	Frailty and the risk of dementia: is the association explained by shared environmental and genetic factors?. BMC Medicine, 2021, 19, 248.	2.3	11
79	Development of an Electronic Frailty Index for Hospitalized Older Adults in Sweden. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2311-2319.	1.7	11
80	Gender Bias Impacts Top-Merited Candidates. Frontiers in Research Metrics and Analytics, 2021, 6, 594424.	0.9	10
81	Genome-wide associations between alcohol consumption and blood DNA methylation: evidence from twin study. Epigenomics, 2021, 13, 939-951.	1.0	9
82	Profiles of histidine-rich glycoprotein associate with age and risk of all-cause mortality. Life Science Alliance, 2020, 3, e202000817.	1.3	9
83	Telomere Length Shortening in Alzheimerâ€™s Disease: Procedures for a Causal Investigation Using Single Nucleotide Polymorphisms in a Mendelian Randomization Study. Methods in Molecular Biology, 2018, 1750, 293-306.	0.4	8
84	Fatty Acids and Frailty: A Mendelian Randomization Study. Nutrients, 2021, 13, 3539.	1.7	8
85	A genome-wide association study of IgM antibody against phosphorylcholine: shared genetics and phenotypic relationship to chronic lymphocytic leukemia. Human Molecular Genetics, 2018, 27, 1809-1818.	1.4	6
86	Replicating associations between DNA methylation and body mass index in a longitudinal sample of older twins. International Journal of Obesity, 2020, 44, 1397-1405.	1.6	6
87	The epigenetic etiology of cardiovascular disease in a longitudinal Swedish twin study. Clinical Epigenetics, 2021, 13, 129.	1.8	6
88	Blood levels of dual-specificity phosphatase-1 independently predict risk for post-operative morbidities causing prolonged hospitalization after coronary artery bypass grafting. International Journal of Molecular Medicine, 2011, 27, 851-7.	1.8	4
89	Telomere Length Dynamics and Atherosclerotic Disease. Circulation Research, 2018, 122, 546-547.	2.0	4
90	Protein Nutritional Status and Frailty: A Mendelian Randomization Study. Journal of Nutrition, 2022, 152, 269-275.	1.3	4

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91	Short-term and long-term case-fatality rates for myocardial infarction and ischaemic stroke by socioeconomic position and sex: a population-based cohort study in Sweden, 1990â€“1994 and 2005â€“2009. BMJ Open, 2019, 9, e026192.	0.8	3
92	Neuroticism as a Predictor of Frailty in Old Age: A Genetically Informative Approach. Psychosomatic Medicine, 2019, 81, 799-807.	1.3	3
93	Positive bias for European men in peer reviewed applications for faculty position at Karolinska Institutet. F1000Research, 2017, 6, 2145.	0.8	3
94	The Association of Individual Changes in Stressful Life Events and Telomere Length Over Time in Twins 50 Years and Older. Psychosomatic Medicine, 2020, 82, 614-622.	1.3	2
95	Positive bias for European men in peer reviewed applications for faculty position at Karolinska Institutet. F1000Research, 2017, 6, 2145.	0.8	2
96	Comparison of two different frailty scales in the longitudinal Swedish Adoption/Twin Study of Aging (SATSA). Scandinavian Journal of Public Health, 2023, 51, 587-594.	1.2	2
97	Genetic and Environmental Contributions to the Covariation Between Cardiometabolic Traits. Journal of the American Heart Association, 2018, 7, .	1.6	1
98	Response to Letter to the Editor: Comment on â€œBody mass index and Mini Nutritional Assessment-Short Form as predictors of in-geriatric hospital mortality in older adults with COVID-19â€• (by CafÃ© BalcÄ±, MD, Hacettepe University Faculty of Medicine Department of Internal Medicine Division) Tj ETQq0 0 0 rgBT /Overlock	2.3	1
99	F8CHILDHOOD ADOPTION AND MENTAL HEALTH IN ADULTHOOD: GENE-ENVIRONMENT INTERPLAY AND CROSS-TRAIT GENETIC OVERLAP WITH AFFECTIVE TRAITS IN UK BIOBANK. European Neuropsychopharmacology, 2019, 29, S1114.	0.3	0
100	Epigenome-wide association study of level and change in cognitive abilities from midlife through late life. Clinical Epigenetics, 2021, 13, 85.	1.8	0
101	Telomere research entering the big data era. Nature Aging, 2022, 2, 102-104.	5.3	0