Karri Silventoinen

List of Publications by Citations

138 papers	6,984 citations	40 h-index	82 g-index
142 ext. papers	8,188 ext. citations	4.7 avg, IF	5.54 L-index

#	Paper	IF	Citations
138	Defining the role of common variation in the genomic and biological architecture of adult human height. *Nature Genetics*, **2014**, 46, 1173-86	36.3	1339
137	Comparison of body mass index, waist circumference, and waist/hip ratio in predicting incident diabetes: a meta-analysis. *Epidemiologic Reviews*, **2007**, 29, 115-28	4.1	595
136	Determinants of variation in adult body height. *Journal of Biosocial Science*, **2003**, 35, 263-85	1.6	436
135	Heritability of adult body height: a comparative study of twin cohorts in eight countries. *Twin Research and Human Genetics*, **2003**, 6, 399-408		426
134	Physical activity, body mass index, and risk of type 2 diabetes in patients with normal or impaired glucose regulation. *Archives of Internal Medicine*, **2004**, 164, 892-6		212
133	Joint effects of physical activity, body mass index, waist circumference and waist-to-hip ratio with the risk of cardiovascular disease among middle-aged Finnish men and women. *European Heart Journal*, **2004**, 25, 2212-9	9.5	205
132	Heritability of body size and muscle strength in young adulthood: a study of one million Swedish men. *Genetic Epidemiology*, **2008**, 32, 341-9	2.6	195
131	The Three-Factor Eating Questionnaire, body mass index, and responses to sweet and salty fatty foods: a twin study of genetic and environmental associations. *American Journal of Clinical Nutrition* , **2008**, 88, 263-71	7	149
130	Association of body size and muscle strength with incidence of coronary heart disease and cerebrovascular diseases: a population-based cohort study of one million Swedish men. *International Journal of Epidemiology*, **2009**, 38, 110-8	7.8	146
129	Assortative mating by body height and BMI: Finnish twins and their spouses. *American Journal of Human Biology*, **2003**, 15, 620-7	2.7	144
128	Genetic and environmental effects on body mass index from infancy to the onset of adulthood: an individual-based pooled analysis of 45 twin cohorts participating in the COllaborative project of Development of Anthropometrical measures in Twins (CODATwins) study. *American Journal of Clinical Nutrition*, **2016**, 104, 371-9	7	125
127	Factors contributing to sense of coherence among men and women. *European Journal of Public Health*, **2004**, 14, 322-30	2.1	109
126	Genetic Architecture of Smoking Behavior: A Study of Finnish Adult Twins. *Twin Research and Human Genetics*, **2006**, 9, 64-72	2.2	100
125	Genetic influences on growth traits of BMI: a longitudinal study of adult twins. *Obesity*, **2008**, 16, 847-528		87
124	Pubertal timing and growth influences cardiometabolic risk factors in adult males and females. *Diabetes Care*, **2012**, 35, 850-6	14.6	85
123	Genetic and environmental influences on height from infancy to early adulthood: An individual-based pooled analysis of 45 twin cohorts. *Scientific Reports*, **2016**, 6, 28496	4.9	80
122	Educational inequalities in the metabolic syndrome and coronary heart disease among middle-aged men and women. *International Journal of Epidemiology*, **2005**, 34, 327-34	7.8	80

121	Genetics of tracking of body mass index from birth to late middle age: evidence from twin and family studies. *Obesity Facts*, **2009**, 2, 196-202	5.1	79
120	Genetics of pubertal timing and its associations with relative weight in childhood and adult height: the Swedish Young Male Twins Study. *Pediatrics*, **2008**, 121, e885-91	7.4	77
119	Genetic and environmental contributions to food use patterns of young adult twins. *Physiology and Behavior*, **2008**, 93, 235-42	3.5	73
118	Association between height and coronary heart disease mortality: a prospective study of 35,000 twin pairs. *American Journal of Epidemiology*, **2006**, 163, 615-21	3.8	70
117	Differences in genetic and environmental variation in adult BMI by sex, age, time period, and region: an individual-based pooled analysis of 40 twin cohorts. *American Journal of Clinical Nutrition* , **2017**, 106, 457-466	7	69
116	Genetic epidemiology of spontaneous subarachnoid hemorrhage: Nordic Twin Study. *Stroke*, **2010**, 41, 2458-62	6.7	65
115	Genetic and environmental influences on pubertal timing assessed by height growth. *American Journal of Human Biology*, **2008**, 20, 417-23	2.7	59
114	Relative weight and income at different levels of socioeconomic status. *American Journal of Public Health*, **2004**, 94, 468-72	5.1	57
113	Increasing genetic variance of body mass index during the Swedish obesity epidemic. *PLoS ONE*, **2011**, 6, e27135	3.7	55
112	The validity of the Finnish Diabetes Risk Score for the prediction of the incidence of coronary heart disease and stroke, and total mortality. *European Journal of Cardiovascular Prevention and Rehabilitation*, **2005**, 12, 451-8		54
111	Genetic and environmental factors affecting self-esteem from age 14 to 17: a longitudinal study of Finnish twins. *Psychological Medicine*, **2007**, 37, 1625-33	6.9	53
110	The genetic liability to disability retirement: a 30-year follow-up study of 24,000 Finnish twins. *PLoS ONE*, **2008**, 3, e3402	3.7	52
109	Genetic and environmental contributions to the association between body height and educational attainment: a study of adult Finnish twins. *Behavior Genetics*, **2000**, 30, 477-85	3.2	52
108	Modification effects of physical activity and protein intake on heritability of body size and composition. *American Journal of Clinical Nutrition*, **2009**, 90, 1096-103	7	51
107	Genetic liability to disability pension in women and men: a prospective population-based twin study. *PLoS ONE*, **2011**, 6, e23143	3.7	49
106	The CODATwins Project: The Cohort Description of Collaborative Project of Development of Anthropometrical Measures in Twins to Study Macro-Environmental Variation in Genetic and Environmental Effects on Anthropometric Traits. *Twin Research and Human Genetics*, **2015**, 18, 348-60	2.2	48
105	Health inequalities by education and age in four Nordic countries, 1986 and 1994. *Journal of Epidemiology and Community Health*, **2002**, 56, 253-8	5.1	48
104	Identifying flavor preference subgroups. Genetic basis and related eating behavior traits. *Appetite*, **2014**, 75, 1-10	4.5	47

103	Genetic regulation of growth in height and weight from 3 to 12 years of age: a longitudinal study of Dutch twin children. *Twin Research and Human Genetics*, **2007**, 10, 354-63	2.2	46
102	Same genetic components underlie different measures of sweet taste preference. *American Journal of Clinical Nutrition*, **2007**, 86, 1663-1669	7	43
101	Appetitive traits as behavioural pathways in genetic susceptibility to obesity: a population-based cross-sectional study. *Scientific Reports*, **2015**, 5, 14726	4.9	40
100	Does obesity modify the effect of blood pressure on the risk of cardiovascular disease? A population-based cohort study of more than one million Swedish men. *Circulation*, **2008**, 118, 1637-42	16.7	40
99	Selective international migration by social position, health behaviour and personality. *European Journal of Public Health*, **2008**, 18, 150-5	2.1	40
98	Heritability of body height and educational attainment in an international context: comparison of adult twins in Minnesota and Finland. *American Journal of Human Biology*, **2004**, 16, 544-55	2.7	40
97	Increased genetic variance of BMI with a higher prevalence of obesity. *PLoS ONE*, **2011**, 6, e20816	3.7	39
96	Genetic regulation of growth from birth to 18 years of age: the Swedish young male twins study. *American Journal of Human Biology*, **2008**, 20, 292-8	2.7	39
95	Sense of coherence and its determinants: a comparative study of the Finnish-speaking majority and the Swedish-speaking minority in Finland. *Scandinavian Journal of Public Health*, **2006**, 34, 515-25	3	37
94	Educational differences in completed fertility: a behavioral genetic study of Finnish male and female twins. *Demography*, **2013**, 50, 1399-420	3.5	35
93	Genetic and environmental influences on growth from late childhood to adulthood: a longitudinal study of two Finnish twin cohorts. *American Journal of Human Biology*, **2011**, 23, 764-73	2.7	35
92	Health-related risk factors for disability pensions due to musculoskeletal diagnoses: a 30-year Finnish twin cohort study. *Scandinavian Journal of Public Health*, **2011**, 39, 839-48	3	32
91	Association between intelligence and coronary heart disease mortality: a population-based cohort study of 682 361 Swedish men. *European Journal of Cardiovascular Prevention and Rehabilitation*, **2007**, 14, 555-60		32
90	Effect of environmental and genetic factors on education-associated disparities in weight and weight gain: a study of Finnish adult twins. *American Journal of Clinical Nutrition*, **2004**, 80, 815-22	7	29
89	Genetic and environmental influences on BMI from late childhood to adolescence are modified by parental education. *Obesity*, **2012**, 20, 583-9	8	26
88	Association of current and former smoking with body mass index: A study of smoking discordant twin pairs from 21 twin cohorts. *PLoS ONE*, **2018**, 13, e0200140	3.7	25
87	Familial Resemblance in Dietary Intakes of Children, Adolescents, and Parents: Does Dietary Quality Play a Role?. *Nutrients*, **2017**, 9,	6.7	24
86	Widening or narrowing inequalities in health? Comparing Britain and Finland from the 1980s to the 1990s. *Sociology of Health and Illness*, **2000**, 22, 110-136	3	24

85	Age-specific fertility by educational level in the Finnish male cohort born 1940-1950. *Demographic Research*,31, 119-136	1	24
84	Disability pension due to musculoskeletal diagnoses: importance of work-related factors in a prospective cohort study of Finnish twins. *Scandinavian Journal of Work, Environment and Health*, **2013**, 39, 343-50	4.3	24
83	Assortative marriages by body mass index have increased simultaneously with the obesity epidemic. *Frontiers in Genetics*, **2012**, 3, 125	4.5	23
82	Sex Differences in Genetic and Environmental Factors Contributing to Body-Height. *Twin Research and Human Genetics*, **2001**, 4, 25-29		23
81	Genetic and environmental factors affecting self-rated health from age 16-25: a longitudinal study of Finnish twins. *Behavior Genetics*, **2007**, 37, 326-33	3.2	22
80	Leisure-time physical inactivity and association with body mass index: a Finnish Twin Study with a 35-year follow-up. *International Journal of Epidemiology*, **2017**, 46, 116-127	7.8	21
79	The Older Finnish Twin Cohort - 45 Years of Follow-up. *Twin Research and Human Genetics*, **2019**, 22, 240-254	2.2	21
78	Education, Other Socioeconomic Characteristics Across the Life Course, and Fertility Among Finnish Men. *European Journal of Population*, **2018**, 34, 337-366	2.3	21
77	Zygosity Differences in Height and Body Mass Index of Twins From Infancy to Old Age: A Study of the CODATwins Project. *Twin Research and Human Genetics*, **2015**, 18, 557-70	2.2	20
76	Genetic and environmental variation in educational attainment: an individual-based analysis of 28 twin cohorts. *Scientific Reports*, **2020**, 10, 12681	4.9	19
75	Early-life and adult socioeconomic determinants of myocardial infarction incidence and fatality. *Social Science and Medicine*, **2017**, 177, 100-109	5.1	18
74	Obesity and eating behavior from the perspective of twin and genetic research. *Neuroscience and Biobehavioral Reviews*, **2020**, 109, 150-165	9	18
73	The association between body height and coronary heart disease among Finnish twins and singletons. *International Journal of Epidemiology*, **2003**, 32, 78-82	7.8	18
72	Sex differences in genetic and environmental factors contributing to body-height. *Twin Research and Human Genetics*, **2001**, 4, 25-9		18
71	Genetic and Environmental Contributions to Perceived Intensity and Pleasantness of Androstenone Odor: An International Twin Study. *Chemosensory Perception*, **2008**, 1, 34-42	1.2	17
70	Physical work load and psychological stress of daily activities as predictors of disability pension due to musculoskeletal disorders. *Scandinavian Journal of Public Health*, **2014**, 42, 370-6	3	16
69	Genetic and environmental influences on cardiovascular disease risk factors: a study of Chinese twin children and adolescents. *Twin Research and Human Genetics*, **2014**, 17, 72-9	2.2	16
68	Heritability of Adult Body Height: A Comparative Study of Twin Cohorts in Eight Countries		16

67	Twin‐Birth-Order Differences in Height and Body Mass Index From Birth to Old Age: A Pooled Study of 26 Twin Cohorts Participating in the CODATwins Project. *Twin Research and Human Genetics*, **2016**, 19, 112-24	2.2	16
66	Association between birthweight and later body mass index: an individual-based pooled analysis of 27 twin cohorts participating in the CODATwins project. *International Journal of Epidemiology*, **2017**, 46, 1488-1498	7.8	15
65	The genetic architecture of body mass index from infancy to adulthood modified by parental education. *Obesity*, **2016**, 24, 2004-11	8	15
64	Association between serum fatty acids and lipoprotein subclass profile in healthy young adults: exploring common genetic and environmental factors. *Atherosclerosis*, **2014**, 233, 394-402	3.1	15
63	A prospective twin cohort study of disability pensions due to musculoskeletal diagnoses in relation to stability and change in pain. *Pain*, **2013**, 154, 1966-1972	8	15
62	Growth in height in childhood and risk of coronary heart disease in adult men and women. *PLoS ONE*, **2012**, 7, e30476	3.7	15
61	Appropriateness of anthropometric obesity indicators in assessment of coronary heart disease risk among Finnish men and women. *Scandinavian Journal of Public Health*, **2003**, 31, 283-90	3	15
60	A supportive family environment in childhood enhances the level and heritability of sense of coherence in early adulthood. *Social Psychiatry and Psychiatric Epidemiology*, **2014**, 49, 1951-60	4.5	14
59	Genetic and environmental factors influencing BMI development from adolescence to young adulthood. *Behavior Genetics*, **2012**, 42, 73-85	3.2	14
58	Associations of mortality with own height using son‐s height as an instrumental variable. *Economics and Human Biology*, **2013**, 11, 351-9	2.6	14
57	Effect of family background on the educational gradient in lifetime fertility of Finnish women born 1940-50. *Population Studies*, **2014**, 68, 321-37	2.5	14
56	Trends in parent-child correlations of childhood body mass index during the development of the obesity epidemic. *PLoS ONE*, **2014**, 9, e109932	3.7	14
55	Within-sibship GWAS improve estimates of direct genetic effects		14
54	Occupational class differences in body mass index and weight gain in Japan and Finland. *Journal of Epidemiology*, **2013**, 23, 443-50	3.4	13
53	Parental Education and Genetics of BMI from Infancy to Old Age: A Pooled Analysis of 29 Twin Cohorts. *Obesity*, **2019**, 27, 855-865	8	11
52	Childhood adversity and depressive symptoms among middle-aged and older Chinese: results from China health and retirement longitudinal study. *Aging and Mental Health*, **2020**, 24, 923-931	3.5	11
51	Stability and change of body mass index as a predictor of disability pension. *Scandinavian Journal of Public Health*, **2016**, 44, 369-76	3	10
50	Estimating Modifying Effect of Age on Genetic and Environmental Variance Components in Twin Models. *Genetics*, **2016**, 202, 1313-28	4	10

49	Weight status in young adulthood and survival after cardiovascular diseases and cancer. *International Journal of Epidemiology*, **2014**, 43, 1197-204	7.8	10
48	Genetic regulation of pre-pubertal development of body mass index: a longitudinal study of Japanese twin boys and girls. *Behavior Genetics*, **2011**, 41, 234-41	3.2	10
47	Pre-existing depression predicts survival in cardiovascular disease and cancer. *Journal of Epidemiology and Community Health*, **2018**, 72, 617-622	5.1	9
46	Genetic and environmental contributions to the association between anthropometric measures and iq: a study of Minnesota twins at age 11 and 17. *Behavior Genetics*, **2012**, 42, 393-401	3.2	9
45	Associations between birth size and later height from infancy through adulthood: An individual based pooled analysis of 28 twin cohorts participating in the CODATwins project. *Early Human Development*, **2018**, 120, 53-60	2.2	8
44	Height, age at first birth, and lifetime reproductive success: a prospective cohort study of Finnish male and female twins. *Twin Research and Human Genetics*, **2013**, 16, 581-9	2.2	8
43	Association of height and pubertal timing with lipoprotein subclass profile: exploring the role of genetic and environmental effects. *American Journal of Human Biology*, **2013**, 25, 465-72	2.7	8
42	Weight growth charts from birth to 6 years of age in Japanese triplets. *Twin Research and Human Genetics*, **2008**, 11, 641-7	2.2	8
41	Gender Differences in Marital Status Moderation of Genetic and Environmental Influences on Subjective Health. *Behavior Genetics*, **2016**, 46, 114-123	3.2	7
40	Physical Activity and Academic Performance: Genetic and Environmental Associations. *Medicine and Science in Sports and Exercise*, **2020**, 52, 381-390	1.2	7
39	Association between long-term smoking and leisure-time physical inactivity: a cohort study among Finnish twins with a 35-year follow-up. *International Journal of Public Health*, **2017**, 62, 819-829	4	6
38	Education in Twins and Their Parents Across Birth Cohorts Over 100 years: An Individual-Level Pooled Analysis of 42-Twin Cohorts. *Twin Research and Human Genetics*, **2017**, 20, 395-405	2.2	6
37	Social modifications of the multiple birth effect on IQ and body size: a population-based study of young adult males. *Paediatric and Perinatal Epidemiology*, **2013**, 27, 380-7	2.7	6
36	Genetics of head circumference in infancy: a longitudinal study of Japanese twins. *American Journal of Human Biology*, **2011**, 23, 630-4	2.7	6
35	Motor development of triplets: a Japanese prospective cohort study. *Twin Research and Human Genetics*, **2011**, 14, 185-91	2.2	6
34	Height growth of triplets from birth to 12 years of age in Japan. *Twin Research and Human Genetics*, **2011**, 14, 468-75	2.2	6
33	Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects.. *Nature Genetics*, **2022**, 54, 581-592	36.3	6
32	Family aggregation of cardiovascular disease mortality: a register-based prospective study of pooled Nordic twin cohorts. *International Journal of Epidemiology*, **2017**, 46, 1223-1229	7.8	5

31	Genetic and environmental influences on chest circumference during infancy: a longitudinal study of japanese twins. *Paediatric and Perinatal Epidemiology*, **2012**, 26, 553-60	2.7	5
30	Genetics of pre-pubertal growth: a longitudinal study of Japanese twins. *Annals of Human Biology*, **2011**, 38, 608-14	1.7	5
29	Associations of sitting time with leisure-time physical inactivity, education, and body mass index change. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 322-331	4.6	5
28	Changing associations between partnership history and risk of accidents, violence and suicides. *Journal of Epidemiology and Community Health*, **2013**, 67, 265-70	5.1	4
27	Weight growth of triplet infants from birth to twelve years of age. *Twin Research and Human Genetics*, **2012**, 15, 672-9	2.2	4
26	The genetic architecture of the association between eating behaviors and obesity: combining genetic twin modeling and polygenic risk scores. *American Journal of Clinical Nutrition*, **2020**, 112, 956-966	7	4
25	The Interplay between Genes and Psychosocial Home Environment on Physical Activity. *Medicine and Science in Sports and Exercise*, **2018**, 50, 691-699	1.2	4
24	The Genetic Background of Metabolic Trait Clusters in Children and Adolescents. *Metabolic Syndrome and Related Disorders*, **2017**, 15, 329-336	2.6	3
23	Health behaviours and psychosocial working conditions as predictors of disability pension due to different diagnoses: a population-based study. *BMC Public Health*, **2020**, 20, 1507	4.1	3
22	Genetics of somatotype and physical fitness in children and adolescents. *American Journal of Human Biology*, **2021**, 33, e23470	2.7	3
21	Author response: Genetic and environmental influences on adult human height across birth cohorts from 1886 to 1994 **2016**,		2
20	Sustainable Working Life in a Swedish Twin Cohort-A Definition Paper with Sample Overview. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
19	Joint association between education and polygenic risk score for incident coronary heart disease events: a longitudinal population-based study of 26 203 men and women. *Journal of Epidemiology and Community Health*, **2021**,	5.1	2
18	ACEt: An R Package for Estimating Dynamic Heritability and Comparing Twin Models. *Behavior Genetics*, **2017**, 47, 620-641	3.2	1
17	Genetics of Perceived Family Interaction From 12 to 17 Years of Age. *Behavior Genetics*, **2019**, 49, 366-375	3.2	1
16	Motives for physical activity in older men and women: A twin study using accelerometer-measured physical activity. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 1409-1422	4.6	1
15	Association between physical and motor development in childhood: a longitudinal study of Japanese twins. *Twin Research and Human Genetics*, **2014**, 17, 192-8	2.2	1
14	Development of body mass index of Japanese triplets from birth until the onset of puberty. *Twin Research and Human Genetics*, **2013**, 16, 861-8	2.2	1

List of Publications

13	Childhood adversity and trajectories of multimorbidity in mid-late life: China health and longitudinal retirement study. *Journal of Epidemiology and Community Health*, **2020**,	5.1	1
12	The role of familial confounding in the associations of physical activity, smoking and alcohol consumption with early exit from the labour market. *Preventive Medicine*, **2021**, 150, 106717	4.3	1
11	Twin Studies on Anthropometrics: Exploring the Role of Genetic and Environmental Factors **2012**, 59-72		1
10	The Association Between Puberty Timing and Body Mass Index in a Longitudinal Setting: The Contribution of Genetic Factors.. *Behavior Genetics*, **2022**, 1	3.2	1
9	Changing associations of coronary heart disease incidence with current partnership status and marital history over three decades.. *SSM - Population Health*, **2022**, 18, 101080	3.8	1
8	The temporal relationship between parental concern of overeating and childhood obesity considering genetic susceptibility: longitudinal results from the IDEFICS/I.Family study. *International Journal of Behavioral Nutrition and Physical Activity*, **2021**, 18, 139	8.4	0
7	The genetic background of the associations between sense of coherence and mental health, self-esteem and personality. *Social Psychiatry and Psychiatric Epidemiology*, **2021**, 1	4.5	0
6	Early Puberty Is Associated With Higher Academic Achievement in Boys and Girls and Partially Explains Academic Sex Differences. *Journal of Adolescent Health*, **2021**, 69, 503-510	5.8	0
5	Obesity and Prevention of Type 2 Diabetes **2006**, 79-97		
4	Life events as predictors for disability pension due to musculoskeletal diagnoses: a cohort study of Finnish twins. *International Archives of Occupational and Environmental Health*, **2020**, 93, 469-478	3.2	
3	The Genetic Architecture of the Clustering of Cardiometabolic Risk Factors: A Study of 8- to 17-Year-Old Chinese Twins. *Twin Research and Human Genetics*, **2020**, 23, 283-291	2.2	
2	Educational attainment of same-sex and opposite-sex dizygotic twins: An individual-level pooled study of 19 twin cohorts. *Hormones and Behavior*, **2021**, 136, 105054	3.7	
1	Obesity and Prevention of Type 2 Diabetes67-85		