

# Timo A Lakka

## 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.

283 papers	33,246 citations	80 h-index	180 g-index
305 ext. papers	39,084 ext. citations	8.9 avg, IF	6.11 L-index

#	Paper	IF	Citations
283	The metabolic syndrome and total and cardiovascular disease mortality in middle-aged men. <i>JAMA - Journal of the American Medical Association</i> , <b>2002</b> , 288, 2709-16	27.4	3341
282	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , <b>2015</b> , 518, 197-206	50.4	2687
281	Discovery and refinement of loci associated with lipid levels. <i>Nature Genetics</i> , <b>2013</b> , 45, 1274-1283	36.3	1904
280	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
279	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
278	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , <b>2015</b> , 518, 187-196	50.4	920
277	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
276	Metabolic syndrome and development of diabetes mellitus: application and validation of recently suggested definitions of the metabolic syndrome in a prospective cohort study. <i>American Journal of Epidemiology</i> , <b>2002</b> , 156, 1070-7	3.8	624
275	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
274	Relation of leisure-time physical activity and cardiorespiratory fitness to the risk of acute myocardial infarction. <i>New England Journal of Medicine</i> , <b>1994</b> , 330, 1549-54	59.2	619
273	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
272	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
271	Risk of acute coronary events and serum concentration of asymmetrical dimethylarginine. <i>Lancet, The</i> , <b>2001</b> , 358, 2127-8	40	490
270	Low levels of leisure-time physical activity and cardiorespiratory fitness predict development of the metabolic syndrome. <i>Diabetes Care</i> , <b>2002</b> , 25, 1612-8	14.6	476
269	Uric acid level as a risk factor for cardiovascular and all-cause mortality in middle-aged men: a prospective cohort study. <i>Archives of Internal Medicine</i> , <b>2004</b> , 164, 1546-51		474
268	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
267	Physical activity in the prevention of type 2 diabetes: the Finnish diabetes prevention study. <i>Diabetes</i> , <b>2005</b> , 54, 158-65	0.9	434

266	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , <b>2017</b> , 542, 186-190	50.4	412
265	Physical activity attenuates the influence of FTO variants on obesity risk: a meta-analysis of 218,166 adults and 19,268 children. <i>PLoS Medicine</i> , <b>2011</b> , 8, e1001116	11.6	379
264	Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. <i>Science</i> , <b>2016</b> , 351, 1166-71	33.3	325
263	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , <b>2017</b> , 49, 1758-1766	36.6	310
262	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. <i>Nature Genetics</i> , <b>2015</b> , 47, 1415-25	36.3	292
261	Physical activity in prevention and treatment of the metabolic syndrome. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2007</b> , 32, 76-88	3	287
260	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003500	6	277
259	Sedentary lifestyle, poor cardiorespiratory fitness, and the metabolic syndrome. <i>Medicine and Science in Sports and Exercise</i> , <b>2003</b> , 35, 1279-86	1.2	277
258	Genome-wide associations for birth weight and correlations with adult disease. <i>Nature</i> , <b>2016</b> , 538, 248-252	52.4	266
257	Effects of exercise training on glucose homeostasis: the HERITAGE Family Study. <i>Diabetes Care</i> , <b>2005</b> , 28, 108-14	14.6	265
256	Antioxidant Supplementation in Atherosclerosis Prevention (ASAP) study: a randomized trial of the effect of vitamins E and C on 3-year progression of carotid atherosclerosis. <i>Journal of Internal Medicine</i> , <b>2000</b> , 248, 377-86	10.8	258
255	Relationship of physical activity and body mass index to the risk of hypertension: a prospective study in Finland. <i>Hypertension</i> , <b>2004</b> , 43, 25-30	8.5	255
254	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
253	Fish oil-derived fatty acids, docosahexaenoic acid and docosapentaenoic acid, and the risk of acute coronary events: the Kuopio ischaemic heart disease risk factor study. <i>Circulation</i> , <b>2000</b> , 102, 2677-9	16.7	251
252	Abdominal obesity is associated with increased risk of acute coronary events in men. <i>European Heart Journal</i> , <b>2002</b> , 23, 706-13	9.5	242
251	BDNF is a novel marker of cognitive function in ageing women: the DRQ EXTRA Study. <i>Neurobiology of Learning and Memory</i> , <b>2008</b> , 90, 596-603	3.1	237
250	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. <i>Nature Genetics</i> , <b>2013</b> , 45, 76-82	36.3	232
249	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

248	Mercury accumulation and accelerated progression of carotid atherosclerosis: a population-based prospective 4-year follow-up study in men in eastern Finland. <i>Atherosclerosis</i> , <b>2000</b> , 148, 265-73	3.1	217
247	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
246	Risk of acute coronary events according to serum concentrations of enterolactone: a prospective population-based case-control study. <i>Lancet, The</i> , <b>1999</b> , 354, 2112-5	4.0	202
245	Increased risk of acute myocardial infarction in carriers of the hemochromatosis gene Cys282Tyr mutation : a prospective cohort study in men in eastern Finland. <i>Circulation</i> , <b>1999</b> , 100, 1274-9	16.7	196
244	Physical activity, cardiovascular risk factors, and mortality among Finnish adults with diabetes. <i>Diabetes Care</i> , <b>2005</b> , 28, 799-805	14.6	195
243	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
242	Cardiovascular fitness as a predictor of mortality in men. <i>Archives of Internal Medicine</i> , <b>2001</b> , 161, 825-31		183
241	Occupational, commuting, and leisure-time physical activity in relation to total and cardiovascular mortality among Finnish subjects with type 2 diabetes. <i>Circulation</i> , <b>2004</b> , 110, 666-73	16.7	182
240	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
239	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , <b>2016</b> , 48, 1151-1161	36.3	181
238	Low dietary folate intake is associated with an excess incidence of acute coronary events: The Kuopio Ischemic Heart Disease Risk Factor Study. <i>Circulation</i> , <b>2001</b> , 103, 2674-80	16.7	173
237	Low physical activity as a predictor for total and cardiovascular disease mortality in middle-aged men and women in Finland. <i>European Heart Journal</i> , <b>2004</b> , 25, 2204-11	9.5	170
236	Abdominal obesity is associated with accelerated progression of carotid atherosclerosis in men. <i>Atherosclerosis</i> , <b>2001</b> , 154, 497-504	3.1	156
235	Effect of exercise training on plasma levels of C-reactive protein in healthy adults: the HERITAGE Family Study. <i>European Heart Journal</i> , <b>2005</b> , 26, 2018-25	9.5	145
234	Serum fatty acid composition predicts development of impaired fasting glycaemia and diabetes in middle-aged men. <i>Diabetic Medicine</i> , <b>2002</b> , 19, 456-64	3.5	141
233	Stress-induced blood pressure reactivity and incident stroke in middle-aged men. <i>Stroke</i> , <b>2001</b> , 32, 1263-70	3.9	137
232	Low serum lycopene concentration is associated with an excess incidence of acute coronary events and stroke: the Kuopio Ischaemic Heart Disease Risk Factor Study. <i>British Journal of Nutrition</i> , <b>2001</b> , 85, 749-54	3.6	127
231	A central role for GRB10 in regulation of islet function in man. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004235	6	124

230	Occupational, commuting and leisure-time physical activity in relation to coronary heart disease among middle-aged Finnish men and women. <i>Atherosclerosis</i> , <b>2007</b> , 194, 490-7	3.1	123
229	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
228	Fine mapping of five loci associated with low-density lipoprotein cholesterol detects variants that double the explained heritability. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002198	6	118
227	Intra-person variability of various physical activity assessments in the Kuopio Ischaemic Heart Disease Risk Factor Study. <i>International Journal of Epidemiology</i> , <b>1992</b> , 21, 467-72	7.8	116
226	Depression and early retirement: prospective population based study in middle aged men. <i>Journal of Epidemiology and Community Health</i> , <b>2005</b> , 59, 70-4	5.1	115
225	Cardiorespiratory fitness and the progression of carotid atherosclerosis in middle-aged men. <i>Annals of Internal Medicine</i> , <b>2001</b> , 134, 12-20	8	114
224	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
223	Blood pressure and the progression of carotid atherosclerosis in middle-aged men. <i>Hypertension</i> , <b>1999</b> , 34, 51-6	8.5	104
222	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006528	6	103
221	Metabolic syndrome and cognitive function: a population-based follow-up study in elderly women. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2007</b> , 23, 29-34	2.6	101
220	Aerobic exercise and the lipid profile in type 1 diabetic men: a randomized controlled trial. <i>Medicine and Science in Sports and Exercise</i> , <b>2000</b> , 32, 1541-8	1.2	100
219	Delaying decline in pulmonary function with physical activity: a 25-year follow-up. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2003</b> , 168, 494-9	10.2	99
218	Effects of aerobic physical exercise on inflammation and atherosclerosis in men: the DNASCO Study: a six-year randomized, controlled trial. <i>Annals of Internal Medicine</i> , <b>2004</b> , 140, 1007-14	8	99
217	An insertion/deletion polymorphism in the alpha2B-adrenergic receptor gene is a novel genetic risk factor for acute coronary events. <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 37, 1516-22	15.1	98
216	Weight gain and the risk of developing insulin resistance syndrome. <i>Diabetes Care</i> , <b>1998</b> , 21, 1637-43	14.6	95
215	Trans-ethnic fine-mapping of lipid loci identifies population-specific signals and allelic heterogeneity that increases the trait variance explained. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003379	6	94
214	Cardiorespiratory fitness and the risk for stroke in men. <i>Archives of Internal Medicine</i> , <b>2003</b> , 163, 1682-8		94
213	Leucine7 to proline7 polymorphism in the preproneuropeptide Y is associated with the progression of carotid atherosclerosis, blood pressure and serum lipids in Finnish men. <i>Atherosclerosis</i> , <b>2001</b> , 159, 145-51	3.1	93

212	Exercise-induced silent myocardial ischemia and coronary morbidity and mortality in middle-aged men. <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 38, 72-9	15.1	91
211	Determinants of cardiorespiratory fitness in men aged 42 to 60 years with and without cardiovascular disease. <i>American Journal of Cardiology</i> , <b>2009</b> , 103, 1598-604	3	90
210	Physical activity and sedentary behaviour in relation to cardiometabolic risk in children: cross-sectional findings from the Physical Activity and Nutrition in Children (PANIC) Study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , <b>2014</b> , 11, 55	8.4	89
209	Systemic immune mediators and lifestyle changes in the prevention of type 2 diabetes: results from the Finnish Diabetes Prevention Study. <i>Diabetes</i> , <b>2006</b> , 55, 2340-6	0.9	87
208	Dyslipidaemia as a predictor of hypertension in middle-aged men. <i>European Heart Journal</i> , <b>2008</b> , 29, 2561-8	1.5	86
207	Hyperinsulinemia and the risk of cardiovascular death and acute coronary and cerebrovascular events in men: the Kuopio Ischaemic Heart Disease Risk Factor Study. <i>Archives of Internal Medicine</i> , <b>2000</b> , 160, 1160-8		86
206	Epidemiology and treatment of the metabolic syndrome. <i>Annals of Medicine</i> , <b>2004</b> , 36, 332-46	1.5	82
205	The genetic regulatory signature of type 2 diabetes in human skeletal muscle. <i>Nature Communications</i> , <b>2016</b> , 7, 11764	17.4	82
204	Systolic blood pressure during recovery from exercise and the risk of acute myocardial infarction in middle-aged men. <i>Hypertension</i> , <b>2004</b> , 44, 820-5	8.5	81
203	Plasma vitamin C modifies the association between hypertension and risk of stroke. <i>Stroke</i> , <b>2002</b> , 33, 1568-73	6.7	79
202	A novel common variant in DCST2 is associated with length in early life and height in adulthood. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 1155-68	5.6	77
201	Perceived health as a predictor of early retirement. <i>Scandinavian Journal of Work, Environment and Health</i> , <b>2004</b> , 30, 287-92	4.3	77
200	Validation of metabolic syndrome score by confirmatory factor analysis in children and adults and prediction of cardiometabolic outcomes in adults. <i>Diabetologia</i> , <b>2014</b> , 57, 940-9	10.3	73
199	Physical activity and diabetes complications in patients with type 1 diabetes: the Finnish Diabetic Nephropathy (FinnDiane) Study. <i>Diabetes Care</i> , <b>2008</b> , 31, 230-2	14.6	71
198	Anger expression and incident stroke: prospective evidence from the Kuopio ischemic heart disease study. <i>Stroke</i> , <b>1999</b> , 30, 523-8	6.7	71
197	Moderate to high intensity conditioning leisure time physical activity and high cardiorespiratory fitness are associated with reduced plasma fibrinogen in eastern Finnish men. <i>Journal of Clinical Epidemiology</i> , <b>1993</b> , 46, 1119-27	5.7	71
196	Heart rate response during exercise test and cardiovascular mortality in middle-aged men. <i>European Heart Journal</i> , <b>2006</b> , 27, 582-8	9.5	70
195	Cardiorespiratory fitness and vigorous leisure-time physical activity modify the association of small size at birth with the metabolic syndrome. <i>Diabetes Care</i> , <b>2003</b> , 26, 2156-64	14.6	70

194	Carotid intima-media thickness and cognitive function in elderly women: a population-based study. <i>Neuroepidemiology</i> , <b>2007</b> , 28, 207-13	5.4	69
193	Dietary factors associated with overweight and body adiposity in Finnish children aged 6-8 years: the PANIC Study. <i>International Journal of Obesity</i> , <b>2012</b> , 36, 950-5	5.5	68
192	Dietary Intake, FTO Genetic Variants, and Adiposity: A Combined Analysis of Over 16,000 Children and Adolescents. <i>Diabetes</i> , <b>2015</b> , 64, 2467-76	0.9	66
191	Associations of motor and cardiovascular performance with academic skills in children. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 1016-24	1.2	66
190	Leisure-time physical activity and the metabolic syndrome in the Finnish diabetes prevention study. <i>Diabetes Care</i> , <b>2010</b> , 33, 1610-7	14.6	66
189	Serum high sensitivity C-reactive protein and cognitive function in elderly women. <i>Age and Ageing</i> , <b>2007</b> , 36, 443-8	3	65
188	Leptin and leptin receptor gene polymorphisms and changes in glucose homeostasis in response to regular exercise in nondiabetic individuals: the HERITAGE family study. <i>Diabetes</i> , <b>2004</b> , 53, 1603-8	0.9	65
187	Leisure time physical activity is associated with poor glycemic control in type 1 diabetic women: the FinnDiane study. <i>Diabetes Care</i> , <b>2005</b> , 28, 777-82	14.6	62
186	Physical workload and risk of early retirement: prospective population-based study among middle-aged men. <i>Journal of Occupational and Environmental Medicine</i> , <b>2002</b> , 44, 930-9	2	61
185	Low serum folate concentrations are associated with an excess incidence of acute coronary events: the Kuopio Ischaemic Heart Disease Risk Factor Study. <i>European Journal of Clinical Nutrition</i> , <b>2000</b> , 54, 424-8	5.2	61
184	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , <b>2019</b> , 51, 636-648	36.3	59
183	Assessment of body composition by dual-energy X-ray absorptiometry, bioimpedance analysis and anthropometrics in children: the Physical Activity and Nutrition in Children study. <i>Clinical Physiology and Functional Imaging</i> , <b>2015</b> , 35, 21-33	2.4	58
182	Polymorphism in high density lipoprotein paraoxonase gene and risk of acute myocardial infarction in men: prospective nested case-control study. <i>BMJ: British Medical Journal</i> , <b>1999</b> , 319, 487-9; discussion 490		56
181	Integrative analysis of gene expression, DNA methylation, physiological traits, and genetic variation in human skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10883-10888	11.5	54
180	Cardiorespiratory fitness as a feature of metabolic syndrome in older men and women: the Dose-Responses to Exercise Training study (DRQ EXTRA). <i>Diabetes Care</i> , <b>2008</b> , 31, 1242-7	14.6	54
179	Systolic blood pressure response to exercise testing is related to the risk of acute myocardial infarction in middle-aged men. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2006</b> , 13, 421-428		51
178	Food consumption, nutrient intake and the risk of having metabolic syndrome: the DRQ EXTRA Study. <i>European Journal of Clinical Nutrition</i> , <b>2011</b> , 65, 368-77	5.2	49
177	High dietary methionine intake increases the risk of acute coronary events in middle-aged men. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2006</b> , 16, 113-20	4.5	48



176	Cross-Sectional Associations of Objectively-Measured Physical Activity and Sedentary Time with Body Composition and Cardiorespiratory Fitness in Mid-Childhood: The PANIC Study. <i>Sports Medicine</i> , <b>2017</b> , 47, 769-780	10.6	47
175	Epidemiological studies of exercise in diabetes prevention. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2007</b> , 32, 583-95	3	47
174	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , <b>2016</b> , 7, 13357	17.4	46
173	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , <b>2021</b> , 53, 840-860	36.3	44
172	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , <b>2019</b> , 51, 452-469	36.3	44
171	Cardiopulmonary fitness is a function of lean mass, not total body weight: The DRQ EXTRA study. <i>European Journal of Preventive Cardiology</i> , <b>2015</b> , 22, 1171-9	3.9	43
170	Dietary factors and their associations with socioeconomic background in Finnish girls and boys 6-8 years of age: the PANIC Study. <i>European Journal of Clinical Nutrition</i> , <b>2011</b> , 65, 1211-8	5.2	43
169	Associations of physical activity and sedentary behavior with academic skills--a follow-up study among primary school children. <i>PLoS ONE</i> , <b>2014</b> , 9, e107031	3.7	41
168	Metabolic syndrome and the progression of carotid intima-media thickness in elderly women. <i>Archives of Internal Medicine</i> , <b>2006</b> , 166, 444-9		41
167	Asymmetrical dimethylarginine (ADMA) and risk of acute coronary events. Does statin treatment influence plasma ADMA levels?. <i>Atherosclerosis Supplements</i> , <b>2003</b> , 4, 19-22	1.7	41
166	G-protein beta3 subunit C825T polymorphism: no association with risk for hypertension and obesity. <i>Journal of Hypertension</i> , <b>2001</b> , 19, 2149-55	1.9	41
165	Systolic blood pressure response to exercise testing is related to the risk of acute myocardial infarction in middle-aged men. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2006</b> , 13, 421-8		40
164	Conditioning leisure time physical activity and cardiorespiratory fitness in sociodemographic groups of middle-ages men in eastern Finland. <i>International Journal of Epidemiology</i> , <b>1996</b> , 25, 86-93	7.8	40
163	GWAS on longitudinal growth traits reveals different genetic factors influencing infant, child, and adult BMI. <i>Science Advances</i> , <b>2019</b> , 5, eaaw3095	14.3	39
162	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
161	Analysis by LC-MS/MS of endogenous steroids from human serum, plasma, endometrium and endometriotic tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 152, 165-172	3.5	39
160	Chronotropic incompetence and mortality in middle-aged men with known or suspected coronary heart disease. <i>European Heart Journal</i> , <b>2008</b> , 29, 1896-902	9.5	39
159	Physical activity and sedentary time in relation to academic achievement in children. <i>Journal of Science and Medicine in Sport</i> , <b>2017</b> , 20, 583-589	4.4	38



158	Normal values for heart rate variability parameters in children 6-8 years of age: the PANIC Study. <i>Clinical Physiology and Functional Imaging</i> , <b>2014</b> , 34, 290-6	2.4	38
157	The presentation of adrenarche is sexually dimorphic and modified by body adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, 3889-94	5.6	37
156	Low physical activity as a predictor for antihypertensive drug treatment in 25-64-year-old populations in eastern and south-western Finland. <i>Journal of Hypertension</i> , <b>2005</b> , 23, 293-9	1.9	37
155	Physical activity modifies the effect of SNPs in the SLC2A2 (GLUT2) and ABCC8 (SUR1) genes on the risk of developing type 2 diabetes. <i>Physiological Genomics</i> , <b>2007</b> , 31, 264-72	3.6	36
154	A quantitative trait locus on 7q31 for the changes in plasma insulin in response to exercise training: the HERITAGE Family Study. <i>Diabetes</i> , <b>2003</b> , 52, 1583-7	0.9	36
153	Determinants of serum 25-hydroxyvitamin D concentration in Finnish children: the Physical Activity and Nutrition in Children (PANIC) study. <i>British Journal of Nutrition</i> , <b>2016</b> , 115, 1080-91	3.6	36
152	Association of MBOAT7 gene variant with plasma ALT levels in children: the PANIC study. <i>Pediatric Research</i> , <b>2016</b> , 80, 651-655	3.2	34
151	New Blood Pressure-Associated Loci Identified in Meta-Analyses of 475 000 Individuals. <i>Circulation: Cardiovascular Genetics</i> , <b>2017</b> , 10,		33
150	Interaction of single nucleotide polymorphisms in ADRB2, ADRB3, TNF, IL6, IGF1R, LIPC, LEPR, and GHRL with physical activity on the risk of type 2 diabetes mellitus and changes in characteristics of the metabolic syndrome: The Finnish Diabetes Prevention Study. <i>Metabolism: Clinical and Experimental</i> , <b>2008</b> , 57, 428-36	12.7	33
149	SNPs in PPARG associate with type 2 diabetes and interact with physical activity. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 25-33	1.2	33
148	Simultaneous analysis by LC-MS/MS of 22 ketosteroids with hydroxylamine derivatization and underivatized estradiol from human plasma, serum and prostate tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 164, 642-652	3.5	33
147	Cardiorespiratory fitness in aging men and women: the DRQ EXTRA study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2011</b> , 21, 679-87	4.6	32
146	Physical exercise and blood pressure with reference to the angiotensinogen M235T polymorphism. <i>Physiological Genomics</i> , <b>2002</b> , 10, 71-7	3.6	32
145	Leisure-time physical activity and rate of bone loss among peri- and postmenopausal women: a longitudinal study. <i>Bone</i> , <b>2001</b> , 29, 442-6	4.7	32
144	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	31
143	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	31
142	Exercise, fitness and cognition in a randomised controlled trial in older individuals: The DRQ EXTRA study. <i>European Geriatric Medicine</i> , <b>2010</b> , 1, 266-272	3	31
141	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	30

140	Cardiorespiratory fitness and metabolic syndrome in older men and women: the dose responses to Exercise Training (DRQ EXTRA) study. <i>Diabetes Care</i> , <b>2010</b> , 33, 1655-7	14.6	30
139	The current standard measure of cardiorespiratory fitness introduces confounding by body mass: the DRQ EXTRA study. <i>International Journal of Obesity</i> , <b>2012</b> , 36, 1135-40	5.5	30
138	Different forms of physical activity and cardiovascular risk factors among 24-64-year-old men and women in Finland. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2006</b> , 13, 51-9		30
137	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , <b>2021</b> , 12, 24	17.4	30
136	A Low-Frequency Inactivating Variant Enriched in the Finnish Population Is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk. <i>Diabetes</i> , <b>2017</b> , 66, 2019-2032	0.9	29
135	The effects of a 2-year individualized and family-based lifestyle intervention on physical activity, sedentary behavior and diet in children. <i>Preventive Medicine</i> , <b>2016</b> , 87, 81-88	4.3	28
134	Obesity and weight gain are associated with increased incidence of hyperinsulinemia in non-diabetic men. <i>Hormone and Metabolic Research</i> , <b>2002</b> , 34, 492-8	3.1	28
133	Associations of diet quality with cognition in children - the Physical Activity and Nutrition in Children Study. <i>British Journal of Nutrition</i> , <b>2015</b> , 114, 1080-7	3.6	27
132	Physical activity in adolescence and bone density in peri- and postmenopausal women: a population-based study. <i>Bone</i> , <b>1997</b> , 21, 363-7	4.7	27
131	Craniofacial morphology but not excess body fat is associated with risk of having sleep-disordered breathing--the PANIC Study (a questionnaire-based inquiry in 6-8-year-olds). <i>European Journal of Pediatrics</i> , <b>2012</b> , 171, 1747-52	4.1	26
130	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , <b>2020</b> , 52, 1314-1332	36.3	26
129	Measures of cardiorespiratory fitness in relation to measures of body size and composition among children. <i>Clinical Physiology and Functional Imaging</i> , <b>2015</b> , 35, 469-77	2.4	25
128	Body fat mass, lean body mass and associated biomarkers as determinants of bone mineral density in children 6-8years of age - The Physical Activity and Nutrition in Children (PANIC) study. <i>Bone</i> , <b>2018</b> , 108, 106-114	4.7	25
127	Clustering of metabolic risk factors is associated with high-normal levels of liver enzymes among 6- to 8-year-old children: the PANIC study. <i>Metabolic Syndrome and Related Disorders</i> , <b>2012</b> , 10, 337-43	2.6	25
126	Association of age and education with different types of leisure-time physical activity among 4437 Finnish adults. <i>Journal of Physical Activity and Health</i> , <b>2008</b> , 5, 242-51	2.5	25
125	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1008718	6	25
124	Association of waist and hip circumference with 12-year progression of carotid intima-media thickness in elderly women. <i>International Journal of Obesity</i> , <b>2007</b> , 31, 1406-11	5.5	24
123	Longitudinal associations of physical activity and sedentary time with cardiometabolic risk factors in children. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 113-123	4.6	24

122	Cardiovascular fitness and haemodynamic responses to maximal cycle ergometer exercise test in children 6-8 years of age. <i>Journal of Sports Sciences</i> , <b>2014</b> , 32, 652-9	3.6	22
121	Low-grade inflammation and depressive symptoms as predictors of abdominal obesity. <i>Scandinavian Journal of Public Health</i> , <b>2012</b> , 40, 674-80	3	22
120	The TNF-alpha G-308A polymorphism is associated with C-reactive protein levels: the HERITAGE Family Study. <i>Vascular Pharmacology</i> , <b>2006</b> , 44, 377-83	5.9	22
119	C-reactive protein and metabolic syndrome in elderly women: a 12-year follow-up study. <i>Diabetes Care</i> , <b>2006</b> , 29, 931-2	14.6	22
118	Arginine intake, blood pressure, and the incidence of acute coronary events in men: the Kuopio Ischaemic Heart Disease Risk Factor Study. <i>American Journal of Clinical Nutrition</i> , <b>2002</b> , 76, 359-64	7	21
117	Consortium-based genome-wide meta-analysis for childhood dental caries traits. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 3113-3127	5.6	20
116	Diet quality and academic achievement: a prospective study among primary school children. <i>European Journal of Nutrition</i> , <b>2017</b> , 56, 2299-2308	5.2	20
115	Protein tyrosine phosphatase 1B variant associated with fat distribution and insulin metabolism. <i>Obesity</i> , <b>2005</b> , 13, 829-34		19
114	Development of cortical motor circuits between childhood and adulthood: A navigated TMS-HdEEG study. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 2599-2615	5.9	18
113	Physical activity, sedentary behaviour, and socioeconomic status among Finnish girls and boys aged 6-8 years. <i>European Journal of Sport Science</i> , <b>2017</b> , 17, 462-472	3.9	18
112	Determinants of pain and functioning in hip osteoarthritis - a two-year prospective study. <i>Clinical Rehabilitation</i> , <b>2013</b> , 27, 281-7	3.3	18
111	Leisure-time physical activity, cardiorespiratory fitness and feelings of hopelessness in men. <i>BMC Public Health</i> , <b>2009</b> , 9, 204	4.1	18
110	Associations of Physical Performance and Adiposity with Cognition in Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 2166-74	1.2	17
109	Diet, fitness and metabolic syndrome--the DRQ EXTRA study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2012</b> , 22, 553-60	4.5	17
108	Usefulness of chronotropic incompetence in response to exercise as a predictor of myocardial infarction in middle-aged men without cardiovascular disease. <i>American Journal of Cardiology</i> , <b>2008</b> , 101, 992-8	3	17
107	Religious affiliation and all-cause mortality: a prospective population study in middle-aged men in eastern Finland. <i>International Journal of Epidemiology</i> , <b>1996</b> , 25, 1244-9	7.8	17
106	Abdominal adiposity and cardiometabolic risk factors in children and adolescents: a Mendelian randomization analysis. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 110, 1079-1087	7	16
105	Prevalence and associated factors of abnormal liver values in children with celiac disease. <i>Digestive and Liver Disease</i> , <b>2016</b> , 48, 1023-9	3.3	16

104	Cross-sectional associations of food consumption with plasma fatty acid composition and estimated desaturase activities in Finnish children. <i>Lipids</i> , <b>2014</b> , 49, 467-79	1.6	16
103	Clinical signs of temporomandibular disorders and various pain conditions among children 6 to 8 years of age: the PANIC study. <i>Journal of Orofacial Pain</i> , <b>2012</b> , 26, 17-25		16
102	Cardiorespiratory fitness and exercise-induced ST segment depression in assessing the risk of sudden cardiac death in men. <i>Heart</i> , <b>2017</b> , 103, 383-389	5.1	15
101	Associations of physical activity, sedentary time, and cardiorespiratory fitness with heart rate variability in 6- to 9-year-old children: the PANIC study. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 2487-2498	3.4	15
100	Cardiorespiratory fitness, respiratory function and hemodynamic responses to maximal cycle ergometer exercise test in girls and boys aged 9-11 years: the PANIC Study. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 235-43	3.4	15
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98	Metabolic risk factors are associated with stiffness index, reflection index and finger skin temperature in children--Physical Activity and Nutrition in Children (PANIC) study. <i>Circulation Journal</i> , <b>2013</b> , 77, 1281-8	2.9	15
97	Association of exercise-induced, silent ST-segment depression with the risk of stroke and cardiovascular diseases in men. <i>Stroke</i> , <b>2003</b> , 34, 1760-5	6.7	15
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94	Two-minute heart rate recovery after cycle ergometer exercise and all-cause mortality in middle-aged men. <i>Journal of Internal Medicine</i> , <b>2011</b> , 270, 589-96	10.8	14
93	Association of leisure time physical activity and abdominal obesity with fasting serum insulin and 2-h postchallenge plasma glucose levels. <i>Diabetic Medicine</i> , <b>2006</b> , 23, 1025-8	3.5	14
92	Associations of Sedentary Behavior, Physical Activity, Cardiorespiratory Fitness, and Body Fat Content With Pain Conditions in Children: The Physical Activity and Nutrition in Children Study. <i>Journal of Pain</i> , <b>2016</b> , 17, 845-53	5.2	14
91	Associations of Objectively Measured Physical Activity and Sedentary Time With Arterial Stiffness in Pre-Pubertal Children. <i>Pediatric Exercise Science</i> , <b>2017</b> , 29, 326-335	2	13
90	The rs1800629 polymorphism in the TNF gene interacts with physical activity on the changes in C-reactive protein levels in the Finnish Diabetes Prevention Study. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2010</b> , 118, 757-9	2.3	13
89	Cardiorespiratory fitness and risk of disability pension: a prospective population based study in Finnish men. <i>Occupational and Environmental Medicine</i> , <b>2003</b> , 60, 765-9	2.1	13
88	Cardiac adrenergic denervation in patients with non-Q-wave versus Q-wave myocardial infarction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2000</b> , 27, 816-21	8.8	13
87	Associations between estimated aerobic fitness and cardiovascular risk factors in adults with different levels of abdominal obesity. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2005</b> , 12, 126-31		13

86	Peak oxygen uptake cut-points to identify children at increased cardiometabolic risk - The PANIC Study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 16-24	4.6	13
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81	The value of cardiorespiratory fitness and exercise-induced ST segment depression in predicting death from coronary heart disease. <i>International Journal of Cardiology</i> , <b>2015</b> , 196, 31-3	3.2	11
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78	Secular trends affect timing of emergence of permanent teeth. <i>Angle Orthodontist</i> , <b>2016</b> , 86, 53-8	2.6	11
77	Associations of Dehydroepiandrosterone Sulfate With Cardiometabolic Risk Factors in Prepubertal Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 2592-2600	5.6	11
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75	Quantitative trait locus on chromosome 20q13 for plasma levels of C-reactive protein in healthy whites: the HERITAGE Family Study. <i>Physiological Genomics</i> , <b>2006</b> , 27, 103-7	3.6	11
74	Cardiac adrenergic innervation within the first 3 months after acute myocardial infarction. <i>Clinical Physiology</i> , <b>2000</b> , 20, 366-73		11
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72	High Leisure-Time Physical Activity Is Associated With Reduced Risk of Sudden Cardiac Death Among Men With Low Cardiorespiratory Fitness. <i>Canadian Journal of Cardiology</i> , <b>2018</b> , 34, 288-294	3.8	9
71	Adiposity, physical activity and neuromuscular performance in children. <i>Journal of Sports Sciences</i> , <b>2016</b> , 34, 1699-706	3.6	9
70	Effectiveness of workload at the heart rate of 100 beats/min in predicting cardiovascular mortality in men aged 42, 48, 54, or 60 years at baseline. <i>American Journal of Cardiology</i> , <b>2007</b> , 100, 563-8	3	9
69	Associations of Body Composition and Physical Activity with Balance and Walking Ability in the Elderly. <i>Journal of Physical Activity and Health</i> , <b>2005</b> , 2, 298-306	2.5	9



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66	Lateral facial profile may reveal the risk for sleep disordered breathing in children--the PANIC-study. <i>Acta Odontologica Scandinavica</i> , <b>2015</b> , 73, 550-5	2.2	8
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64	Lifestyle management in the metabolic syndrome. <i>Metabolic Syndrome and Related Disorders</i> , <b>2006</b> , 4, 270-86	2.6	8
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62	Effect of a 2-y dietary and physical activity intervention on plasma fatty acid composition and estimated desaturase and elongase activities in children: the Physical Activity and Nutrition in Children Study. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 964-972	7	7
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57	Maturation changes the excitability and effective connectivity of the frontal lobe: A developmental TMS-EEG study. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 2320-2335	5.9	7
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55	Longitudinal Associations of Fitness, Motor Competence, and Adiposity with Cognition. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 465-471	1.2	6
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53	Predictors of sleep disordered breathing in children: the PANIC study. <i>European Journal of Orthodontics</i> , <b>2018</b> , 40, 268-272	3.3	6
52	Cardiorespiratory fitness modifies the association between dietary fat intake and plasma fatty acids. <i>European Journal of Clinical Nutrition</i> , <b>2003</b> , 57, 810-5	5.2	6
51	Exercise, diet, and cognition in a 4-year randomized controlled trial: Dose-Responses to Exercise Training (DRQ EXTRA). <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 113, 1428-1439	7	6



50	Adiposity Criteria in Assessing Increased Cardiometabolic Risk in Prepubertal Children. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 410	5.7	5
49	Genetic predisposition to higher body fat yet lower cardiometabolic risk in children and adolescents. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 2007-2016	5.5	5
48	Reproducibility of pulse contour analysis in children before and after maximal exercise stress test: the Physical Activity and Nutrition in Children (PANIC) study. <i>Clinical Physiology and Functional Imaging</i> , <b>2011</b> , 31, 132-8	2.4	5
47	A 2-year physical activity and dietary intervention attenuates the increase in insulin resistance in a general population of children: the PANIC study. <i>Diabetologia</i> , <b>2020</b> , 63, 2270-2281	10.3	5
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45	Tissue-Specific Alteration of Metabolic Pathways Influences Glycemic Regulation		4
44	Eating Competence Is Associated with Lower Prevalence of Obesity and Better Insulin Sensitivity in Finnish Adults with Increased Risk for Type 2 Diabetes: The StopDia Study. <i>Nutrients</i> , <b>2019</b> , 12,	6.7	4
43	Associations of cardiometabolic risk factors with heart rate variability in 6- to 8-year-old children: The PANIC Study. <i>Pediatric Diabetes</i> , <b>2020</b> , 21, 251-258	3.6	4
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38	Moderators of Maintained Increase in Aerobic Exercise Among Aging Men and Women in a 4-Year Randomized Controlled Trial: The DRQ EXTRA Study. <i>Journal of Physical Activity and Health</i> , <b>2015</b> , 12, 1477-84	2.5	3
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34	Associations of dietary carbohydrate and fatty acid intakes with cognition among children. <i>Public Health Nutrition</i> , <b>2020</b> , 23, 1657-1663	3.3	2
33	Serum 25-Hydroxyvitamin D, Plasma Lipids, and Associated Gene Variants in Prepubertal Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 2670-2679	5.6	2

32	Associations of IGF-1 and Adrenal Androgens with Cognition in Childhood. <i>Hormone Research in Paediatrics</i> , <b>2019</b> , 91, 329-335	3.3	2
31	Different forms of physical activity and cardiovascular risk factors among 24-44-year-old men and women in Finland. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , <b>2006</b> , 13, 51-59		2
30	Cross-country skiing and the risk of acute myocardial infarction: A prospective cohort study. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 1108-1111	3.9	2
29	Primary hand motor representation areas in healthy children, preadolescents, adolescents, and adults. <i>NeuroImage</i> , <b>2021</b> , 228, 117702	7.9	2
28	Comparison of Communication Channels for Large-Scale Type 2 Diabetes Risk Screening and Intervention Recruitment: Empirical Study. <i>JMIR Diabetes</i> , <b>2021</b> , 6, e21356	2.7	2
27	Child-related and parental predictors for thelarche in a general population of girls: the PANIC study. <i>Pediatric Research</i> , <b>2020</b> , 88, 676-680	3.2	1
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24	Exercise and inflammation: reply. <i>European Heart Journal</i> , <b>2006</b> , 27, 1385-1386	9.5	1
23	Protein-Coding Variants Implicate Novel Genes Related to Lipid Homeostasis Contributing to Body Fat Distribution		1
22	Multi-ancestry analysis of gene-sleep interactions in 126,926 individuals identifies multiple novel blood lipid loci that contribute to our understanding of sleep-associated adverse blood lipid profile		1
21	Longitudinal associations of physical activity, sedentary time, and cardiorespiratory fitness with arterial health in children - the PANIC study. <i>Journal of Sports Sciences</i> , <b>2021</b> , 39, 1980-1987	3.6	1
20	The effects of a 2-year physical activity and dietary intervention on plasma lipid concentrations in children: the PANIC Study. <i>European Journal of Nutrition</i> , <b>2021</b> , 60, 425-434	5.2	1
19	Relation of oxygen uptake to work rate in prepubertal healthy children - reference for VO <sub>2</sub> /W-slope and effect on cardiorespiratory fitness assessment. <i>Clinical Physiology and Functional Imaging</i> , <b>2018</b> , 38, 645-651	2.4	1
18	Digitally Supported Lifestyle Intervention to Prevent Type 2 Diabetes Through Healthy Habits: Secondary Analysis of Long-Term User Engagement Trajectories in a Randomized Controlled Trial.. <i>Journal of Medical Internet Research</i> , <b>2022</b> , 24, e31530	7.6	1
17	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases.. <i>Environmental Epidemiology</i> , <b>2022</b> , 6, e184	0.2	1
16	Associations between cardiorespiratory fitness, motor competence, and adiposity in children. <i>Translational Sports Medicine</i> , <b>2021</b> , 4, 56-64	1.3	0
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12	Finger skin temperatures in 8- to 11-year-old children: determinants including physical characteristics and seasonal variation. The Physical Activity and Nutrition in Children (PANIC) Study. <i>European Journal of Applied Physiology</i> , <b>2016</b> , 116, 405-13	3.4	
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9	Enterolactone and coronary events. <i>Lancet, The</i> , <b>2000</b> , 355, 1643	40	
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6	Is there a duty to participate in a health research? A viewpoint of children 68 years of age and their parents. <i>International Diabetes Nursing</i> , <b>2016</b> , 13, 49-54		
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