

Mika Ala-Korpela

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.

251
papers

15,246
citations

61
h-index

116
g-index

288
ext. papers

19,124
ext. citations

7.2
avg, IF

6.23
L-index

#	Paper	IF	Citations
251	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , 2011 , 478, 103-9	50.4	1564
250	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , 2017 , 541, 81-86	50.4	511
249	Genome-wide association study identifies multiple loci influencing human serum metabolite levels. <i>Nature Genetics</i> , 2012 , 44, 269-76	36.3	441
248	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , 2011 , 43, 1131-8	36.3	415
247	Metabolite profiling and cardiovascular event risk: a prospective study of 3 population-based cohorts. <i>Circulation</i> , 2015 , 131, 774-85	16.7	367
246	High-throughput serum NMR metabolomics for cost-effective holistic studies on systemic metabolism. <i>Analyst, The</i> , 2009 , 134, 1781-5	5	361
245	Quantitative serum nuclear magnetic resonance metabolomics in cardiovascular epidemiology and genetics. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 192-206		349
244	Branched-chain and aromatic amino acids are predictors of insulin resistance in young adults. <i>Diabetes Care</i> , 2013 , 36, 648-55	14.6	336
243	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
242	Epigenome-wide association of DNA methylation markers in peripheral blood from Indian Asians and Europeans with incident type 2 diabetes: a nested case-control study. <i>Lancet Diabetes and Endocrinology, the</i> , 2015 , 3, 526-534	18.1	277
241	Structure of low density lipoprotein (LDL) particles: basis for understanding molecular changes in modified LDL. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000 , 1488, 189-210	5	276
240	Mendelian randomization in cardiometabolic disease: challenges in evaluating causality. <i>Nature Reviews Cardiology</i> , 2017 , 14, 577-590	14.8	245
239	Metabolic signatures of insulin resistance in 7,098 young adults. <i>Diabetes</i> , 2012 , 61, 1372-80	0.9	224
238	Biomarker profiling by nuclear magnetic resonance spectroscopy for the prediction of all-cause mortality: an observational study of 17,345 persons. <i>PLoS Medicine</i> , 2014 , 11, e1001606	11.6	206
237	Hyperglycemia and a common variant of GCKR are associated with the levels of eight amino acids in 9,369 Finnish men. <i>Diabetes</i> , 2012 , 61, 1895-902	0.9	195
236	Metabolic signatures of adiposity in young adults: Mendelian randomization analysis and effects of weight change. <i>PLoS Medicine</i> , 2014 , 11, e1001765	11.6	193
235	Quantitative Serum Nuclear Magnetic Resonance Metabolomics in Large-Scale Epidemiology: A Primer on -Omic Technologies. <i>American Journal of Epidemiology</i> , 2017 , 186, 1084-1096	3.8	189

234	Metabonomic, transcriptomic, and genomic variation of a population cohort. <i>Molecular Systems Biology</i> , 2010 , 6, 441	12.2	187
233	Aggregation, fusion, and vesicle formation of modified low density lipoprotein particles: molecular mechanisms and effects on matrix interactions. <i>Journal of Lipid Research</i> , 2000 , 41, 1703-1714	6.3	173
232	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. <i>Genome Biology</i> , 2017 , 18, 70	18.3	167
231	Lipids, Lipoproteins, and Metabolites and Risk of Myocardial Infarction and Stroke. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 620-632	15.1	162
230	Circulating metabolite predictors of glycemia in middle-aged men and women. <i>Diabetes Care</i> , 2012 , 35, 1749-56	14.6	159
229	Genome-wide screen for metabolic syndrome susceptibility Loci reveals strong lipid gene contribution but no evidence for common genetic basis for clustering of metabolic syndrome traits. <i>Circulation: Cardiovascular Genetics</i> , 2012 , 5, 242-9		153
228	MR spectroscopy quantitation: a review of frequency domain methods. <i>NMR in Biomedicine</i> , 2001 , 14, 247-59	4.4	147
227	Aggregation, fusion, and vesicle formation of modified low density lipoprotein particles: molecular mechanisms and effects on matrix interactions. <i>Journal of Lipid Research</i> , 2000 , 41, 1703-14	6.3	147
226	Diabetes risk and amino acid profiles: cross-sectional and prospective analyses of ethnicity, amino acids and diabetes in a South Asian and European cohort from the SABRE (Southall And Brent REvisited) Study. <i>Diabetologia</i> , 2015 , 58, 968-79	10.3	139
225	Long-term leisure-time physical activity and serum metabolome. <i>Circulation</i> , 2013 , 127, 340-8	16.7	136
224	¹ H NMR metabonomics approach to the disease continuum of diabetic complications and premature death. <i>Molecular Systems Biology</i> , 2008 , 4, 167	12.2	136
223	A metabolic view on menopause and ageing. <i>Nature Communications</i> , 2014 , 5, 4708	17.4	134
222	Novel methodologies for biomarker discovery in atherosclerosis. <i>European Heart Journal</i> , 2015 , 36, 2635-42	9.4	133
221	Modified LDL - trigger of atherosclerosis and inflammation in the arterial intima. <i>Journal of Internal Medicine</i> , 2000 , 247, 359-70	10.8	129
220	Evaluating the relationship between circulating lipoprotein lipids and apolipoproteins with risk of coronary heart disease: A multivariable Mendelian randomisation analysis. <i>PLoS Medicine</i> , 2020 , 17, e1003062	11.6	127
219	Novel Loci for metabolic networks and multi-tissue expression studies reveal genes for atherosclerosis. <i>PLoS Genetics</i> , 2012 , 8, e1002907	6	125
218	The Biomarker GlycA Is Associated with Chronic Inflammation and Predicts Long-Term Risk of Severe Infection. <i>Cell Systems</i> , 2015 , 1, 293-301	10.6	113
217	Metabolomic Profiling of Statin Use and Genetic Inhibition of HMG-CoA Reductase. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1200-1210	15.1	106

216	Sphingomyelinase induces aggregation and fusion, but phospholipase A2 only aggregation, of low density lipoprotein (LDL) particles. Two distinct mechanisms leading to increased binding strength of LDL to human aortic proteoglycans. <i>Journal of Biological Chemistry</i> , 1998 , 273, 29127-34	5.4	105
215	¹ H NMR spectroscopy of human blood plasma. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1995 , 27, 475-554	10.4	99
214	Glycerol and fatty acids in serum predict the development of hyperglycemia and type 2 diabetes in Finnish men. <i>Diabetes Care</i> , 2013 , 36, 3732-8	14.6	97
213	Time and frequency domain analysis of NMR data compared: an application to 1D ¹ H spectra of lipoproteins. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 347-58	4.4	94
212	A multi-metabolite analysis of serum by ¹ H NMR spectroscopy: early systemic signs of Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 375, 356-61	3.4	93
211	High-throughput quantification of circulating metabolites improves prediction of subclinical atherosclerosis. <i>European Heart Journal</i> , 2012 , 33, 2307-16	9.5	92
210	Association of branched-chain amino acids and other circulating metabolites with risk of incident dementia and Alzheimer's disease: A prospective study in eight cohorts. <i>Alzheimer's and Dementia</i> , 2018 , 14, 723-733	1.2	90
209	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
208	Decay channels of core-excited HCl. <i>Physical Review A</i> , 1990 , 41, 6000-6005	2.6	89
207	Metabolic profiling of pregnancy: cross-sectional and longitudinal evidence. <i>BMC Medicine</i> , 2016 , 14, 205	11.4	85
206	Critical evaluation of ¹ H NMR metabonomics of serum as a methodology for disease risk assessment and diagnostics. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008 , 46, 27-42	5.9	84
205	Genetic Support for a Causal Role of Insulin Resistance on Circulating Branched-Chain Amino Acids and Inflammation. <i>Diabetes Care</i> , 2017 , 40, 1779-1786	14.6	80
204	Automated classification of human brain tumours by neural network analysis using in vivo ¹ H magnetic resonance spectroscopic metabolite phenotypes. <i>NeuroReport</i> , 1996 , 7, 1597-600	1.7	80
203	¹ H NMR-based absolute quantitation of human lipoproteins and their lipid contents directly from plasma. <i>Journal of Lipid Research</i> , 1994 , 35, 2292-2304	6.3	79
202	Association of ketone body levels with hyperglycemia and type 2 diabetes in 9,398 Finnish men. <i>Diabetes</i> , 2013 , 62, 3618-26	0.9	77
201	metaCCA: summary statistics-based multivariate meta-analysis of genome-wide association studies using canonical correlation analysis. <i>Bioinformatics</i> , 2016 , 32, 1981-9	7.2	76
200	Effects of orientational order and particle size on the NMR line positions of lipoproteins. <i>Physical Review Letters</i> , 1994 , 72, 4049-4052	7.4	75
199	Detailed metabolic and genetic characterization reveals new associations for 30 known lipid loci. <i>Human Molecular Genetics</i> , 2012 , 21, 1444-55	5.6	74

198	Metabolic phenotypes, vascular complications, and premature deaths in a population of 4,197 patients with type 1 diabetes. <i>Diabetes</i> , 2008 , 57, 2480-7	0.9	73
197	Intracellular and extracellular skeletal muscle triglyceride metabolism during alternating intensity exercise in humans. <i>Journal of Physiology</i> , 1998 , 510 (Pt 2), 615-22	3.9	70
196	¹ H NMR-based absolute quantitation of human lipoproteins and their lipid contents directly from plasma. <i>Journal of Lipid Research</i> , 1994 , 35, 2292-304	6.3	70
195	Exome sequencing of Finnish isolates enhances rare-variant association power. <i>Nature</i> , 2019 , 572, 323-328	38.4	69
194	Sphingomyelinase induces aggregation and fusion of small very low-density lipoprotein and intermediate-density lipoprotein particles and increases their retention to human arterial proteoglycans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1678-83	9.4	67
193	Sex hormone-binding globulin associations with circulating lipids and metabolites and the risk for type 2 diabetes: observational and causal effect estimates. <i>International Journal of Epidemiology</i> , 2015 , 44, 623-37	7.8	66
192	NAFLD risk alleles in PNPLA3, TM6SF2, GCKR and LYPLAL1 show divergent metabolic effects. <i>Human Molecular Genetics</i> , 2018 , 27, 2214-2223	5.6	65
191	Effects of 34 risk loci for type 2 diabetes or hyperglycemia on lipoprotein subclasses and their composition in 6,580 nondiabetic Finnish men. <i>Diabetes</i> , 2011 , 60, 1608-16	0.9	65
190	Genomic and drug target evaluation of 90 cardiovascular proteins in 30,931 individuals. <i>Nature Metabolism</i> , 2020 , 2, 1135-1148	14.6	61
189	Metabolic profiling of alcohol consumption in 9778 young adults. <i>International Journal of Epidemiology</i> , 2016 , 45, 1493-1506	7.8	60
188	Effects of whole grain, fish and bilberries on serum metabolic profile and lipid transfer protein activities: a randomized trial (Sysdimet). <i>PLoS ONE</i> , 2014 , 9, e90352	3.7	57
187	Lipoprotein subclass profiles in individuals with varying degrees of glucose tolerance: a population-based study of 9399 Finnish men. <i>Journal of Internal Medicine</i> , 2012 , 272, 562-72	10.8	57
186	Structure and dynamic properties of diunsaturated 1-palmitoyl-2-linoleoyl-sn-glycero-3-phosphatidylcholine lipid bilayer from molecular dynamics simulation. <i>Biophysical Journal</i> , 1997 , 73, 2907-23	2.9	55
185	Circulating metabolites and the risk of type 2 diabetes: a prospective study of 11,896 young adults from four Finnish cohorts. <i>Diabetologia</i> , 2019 , 62, 2298-2309	10.3	54
184	Gender-dependent associations of metabolite profiles and body fat distribution in a healthy population with central obesity: towards metabolomics diagnostics. <i>OMICS A Journal of Integrative Biology</i> , 2012 , 16, 652-67	3.8	54
183	Potential role of body fluid ¹ H NMR metabonomics as a prognostic and diagnostic tool. <i>Expert Review of Molecular Diagnostics</i> , 2007 , 7, 761-73	3.8	54
182	Diagnosing diabetic nephropathy by ¹ H NMR metabonomics of serum. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006 , 19, 281-96	2.8	54
181	Evidence for altered hepatic gluconeogenesis in patients with cirrhosis using in vivo ³¹ -phosphorus magnetic resonance spectroscopy. <i>Gut</i> , 2001 , 49, 557-64	19.2	54

180	Multi-omic signature of body weight change: results from a population-based cohort study. <i>BMC Medicine</i> , 2015 , 13, 48	11.4	51
179	Metabolic characterization of menopause: cross-sectional and longitudinal evidence. <i>BMC Medicine</i> , 2018 , 16, 17	11.4	51
178	Lipoprotein subclass metabolism in nonalcoholic steatohepatitis. <i>Journal of Lipid Research</i> , 2014 , 55, 2676-84	6.3	51
177	Blood microRNA profile associates with the levels of serum lipids and metabolites associated with glucose metabolism and insulin resistance and pinpoints pathways underlying metabolic syndrome: the cardiovascular risk in Young Finns Study. <i>Molecular and Cellular Endocrinology</i> , 2014 , 391, 41-9	4.4	50
176	Metabolic profiling of fatty liver in young and middle-aged adults: Cross-sectional and prospective analyses of the Young Finns Study. <i>Hepatology</i> , 2017 , 65, 491-500	11.2	50
175	Three-dimensional cryoEM reconstruction of native LDL particles to 16Å resolution at physiological body temperature. <i>PLoS ONE</i> , 2011 , 6, e18841	3.7	50
174	Ketone body production is differentially altered in steatosis and non-alcoholic steatohepatitis in obese humans. <i>Liver International</i> , 2015 , 35, 1853-61	7.9	48
173	A lineshape fitting model for 1H NMR spectra of human blood plasma. <i>Magnetic Resonance in Medicine</i> , 1991 , 21, 222-32	4.4	47
172	Effect of repeated dietary counseling on serum lipoproteins from infancy to adulthood. <i>Pediatrics</i> , 2012 , 129, e704-13	7.4	46
171	A novel Bayesian approach to quantify clinical variables and to determine their spectroscopic counterparts in 1H NMR metabolomic data. <i>BMC Bioinformatics</i> , 2007 , 8 Suppl 2, S8	3.6	46
170	The inherent accuracy of 1H NMR spectroscopy to quantify plasma lipoproteins is subclass dependent. <i>Atherosclerosis</i> , 2007 , 190, 352-8	3.1	46
169	Circulating amino acids and the risk of macrovascular, microvascular and mortality outcomes in individuals with type 2 diabetes: results from the ADVANCE trial. <i>Diabetologia</i> , 2018 , 61, 1581-1591	10.3	44
168	Prolonged sleep restriction induces changes in pathways involved in cholesterol metabolism and inflammatory responses. <i>Scientific Reports</i> , 2016 , 6, 24828	4.9	44
167	Metabolic diversity of progressive kidney disease in 325 patients with type 1 diabetes (the FinnDiane Study). <i>Journal of Proteome Research</i> , 2012 , 11, 1782-90	5.6	44
166	Sphingomyelin is associated with kidney disease in type 1 diabetes (The FinnDiane Study). <i>Metabolomics</i> , 2012 , 8, 369-375	4.7	44
165	Metabolic profiling of polycystic ovary syndrome reveals interactions with abdominal obesity. <i>International Journal of Obesity</i> , 2017 , 41, 1331-1340	5.5	43
164	Lipolytic modification of LDL by phospholipase A2 induces particle aggregation in the absence and fusion in the presence of heparin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 1276-83	9.4	43
163	Association of pre-pregnancy body mass index with offspring metabolic profile: Analyses of 3 European prospective birth cohorts. <i>PLoS Medicine</i> , 2017 , 14, e1002376	11.6	43

162	Abdominal obesity and circulating metabolites: A twin study approach. <i>Metabolism: Clinical and Experimental</i> , 2016 , 65, 111-21	12.7	42
161	Reconsideration of hydrophobic lipid distributions in lipoprotein particles. <i>Chemistry and Physics of Lipids</i> , 2008 , 155, 57-62	3.7	42
160	Blood hsa-miR-122-5p and hsa-miR-885-5p levels associate with fatty liver and related lipoprotein metabolism-The Young Finns Study. <i>Scientific Reports</i> , 2016 , 6, 38262	4.9	42
159	Non-invasive assessment of ATP regeneration potential of the preserved donor liver. A 31P MRS study in pig liver. <i>Journal of Hepatology</i> , 1997 , 26, 336-42	13.4	41
158	Effects of hormonal contraception on systemic metabolism: cross-sectional and longitudinal evidence. <i>International Journal of Epidemiology</i> , 2016 , 45, 1445-1457	7.8	41
157	Multiple Hepatic Regulatory Variants at the GALNT2 GWAS Locus Associated with High-Density Lipoprotein Cholesterol. <i>American Journal of Human Genetics</i> , 2015 , 97, 801-15	11	40
156	Quantification of biomedical NMR data using artificial neural network analysis: lipoprotein lipid profiles from 1H NMR data of human plasma. <i>NMR in Biomedicine</i> , 1995 , 8, 235-44	4.4	40
155	Fetal growth, omega-3 (n-3) fatty acids, and progression of subclinical atherosclerosis: preventing fetal origins of disease? The Cardiovascular Risk in Young Finns Study. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 58-65	7	39
154	Associations of multiple lipoprotein and apolipoprotein measures with worsening of glycemia and incident type 2 diabetes in 6607 non-diabetic Finnish men. <i>Atherosclerosis</i> , 2015 , 240, 272-7	3.1	38
153	Lipoprotein subclass profiling reveals pleiotropy in the genetic variants of lipid risk factors for coronary heart disease: a note on Mendelian randomization studies. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1906-8	15.1	37
152	Low-grade, systemic inflammation in adolescents: association with early-life factors, gender, and lifestyle. <i>American Journal of Epidemiology</i> , 2010 , 171, 72-82	3.8	37
151	Monitoring of gliomas in vivo by diffusion MRI and (1)H MRS during gene therapy-induced apoptosis: interrelationships between water diffusion and mobile lipids. <i>NMR in Biomedicine</i> , 2009 , 22, 272-9	4.4	37
150	Metabolomic Consequences of Genetic Inhibition of PCSK9 Compared With Statin Treatment. <i>Circulation</i> , 2018 , 138, 2499-2512	16.7	36
149	Novel association of rs58542926 genotype with increased serum tyrosine levels and decreased apoB-100 particles in Finns. <i>Journal of Lipid Research</i> , 2017 , 58, 1471-1481	6.3	35
148	Estimation of VLDL, IDL, LDL, HDL2, apoA-I, and apoB from the Friedewald inputs--apoB and IDL, but not LDL, are associated with mortality in type 1 diabetes. <i>Annals of Medicine</i> , 2009 , 41, 451-61	1.5	34
147	Effects of sea buckthorn and bilberry on serum metabolites differ according to baseline metabolic profiles in overweight women: a randomized crossover trial. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 941-51	7	33
146	1H NMR metabonomics of plasma lipoprotein subclasses: elucidation of metabolic clustering by self-organising maps. <i>NMR in Biomedicine</i> , 2007 , 20, 658-72	4.4	33
145	Common, low-frequency, and rare genetic variants associated with lipoprotein subclasses and triglyceride measures in Finnish men from the METSIM study. <i>PLoS Genetics</i> , 2017 , 13, e1007079	6	33

144	Experimental and Human Evidence for Lipocalin-2 (Neutrophil Gelatinase-Associated Lipocalin [NGAL]) in the Development of Cardiac Hypertrophy and heart failure. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	32
143	Association of circulating metabolites with healthy diet and risk of cardiovascular disease: analysis of two cohort studies. <i>Scientific Reports</i> , 2018 , 8, 8620	4.9	32
142	Effect of fatty and lean fish intake on lipoprotein subclasses in subjects with coronary heart disease: a controlled trial. <i>Journal of Clinical Lipidology</i> , 2014 , 8, 126-33	4.9	32
141	Differential Associations of Inflammatory Markers With Insulin Sensitivity and Secretion: The Prospective METSIM Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 3600-3609	5.6	32
140	Metabolic signatures of birthweight in 18288 adolescents and adults. <i>International Journal of Epidemiology</i> , 2016 , 45, 1539-1550	7.8	31
139	Quantitative high-throughput metabolomics: a new era in epidemiology and genetics. <i>Genome Medicine</i> , 2012 , 4, 36	14.4	31
138	Application of self-organizing maps in conformational analysis of lipids. <i>Journal of the American Chemical Society</i> , 2001 , 123, 810-6	16.4	31
137	Genome-wide association studies and systems biology: together at last. <i>Trends in Genetics</i> , 2011 , 27, 493-8	8.5	30
136	Application of self-organizing maps for the detection and classification of human blood plasma lipoprotein lipid profiles on the basis of 1H NMR spectroscopy data. <i>NMR in Biomedicine</i> , 1998 , 11, 168-74	16.4	30
135	Lipoprotein-lipid quantification by neural-network analysis of 1H NMR data from human blood plasma. <i>Journal of Magnetic Resonance Series B</i> , 1995 , 106, 191-4		29
134	Nuclear magnetic resonance-based metabolomics identifies phenylalanine as a novel predictor of incident heart failure hospitalisation: results from PROSPER and FINRISK 1997. <i>European Journal of Heart Failure</i> , 2018 , 20, 663-673	12.3	29
133	Determinants of accelerated metabolomic and epigenetic aging in a UK cohort. <i>Aging Cell</i> , 2020 , 19, e13149	14.9	28
132	Association between habitual dietary intake and lipoprotein subclass profile in healthy young adults. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013 , 23, 1071-8	4.5	28
131	Triglyceride-cholesterol imbalance across lipoprotein subclasses predicts diabetic kidney disease and mortality in type 1 diabetes: the FinnDiane Study. <i>Journal of Internal Medicine</i> , 2013 , 273, 383-95	10.8	28
130	Isotope and temperature effects on the 13C and 77Se nuclear shielding in carbon diselenide. <i>Journal of Chemical Physics</i> , 1997 , 107, 1350-1361	3.9	28
129	Apolipoprotein A-I concentrations and risk of coronary artery disease: A Mendelian randomization study. <i>Atherosclerosis</i> , 2020 , 299, 56-63	3.1	27
128	An interaction map of circulating metabolites, immune gene networks, and their genetic regulation. <i>Genome Biology</i> , 2017 , 18, 146	18.3	27
127	Serum omega-6 polyunsaturated fatty acids and the metabolic syndrome: a longitudinal population-based cohort study. <i>American Journal of Epidemiology</i> , 2012 , 176, 253-60	3.8	27

126	A differential network approach to exploring differences between biological states: an application to prediabetes. <i>PLoS ONE</i> , 2011 , 6, e24702	3.7	27
125	Characterization of systemic metabolic phenotypes associated with subclinical atherosclerosis. <i>Molecular BioSystems</i> , 2011 , 7, 385-93		26
124	A comprehensive study of metabolite genetics reveals strong pleiotropy and heterogeneity across time and context. <i>Nature Communications</i> , 2019 , 10, 4788	17.4	25
123	Weight change and lipoprotein particle concentration and particle size: a cohort study with 6.5-year follow-up. <i>Atherosclerosis</i> , 2012 , 223, 239-43	3.1	25
122	Network of vascular diseases, death and biochemical characteristics in a set of 4,197 patients with type 1 diabetes (the FinnDiane Study). <i>Cardiovascular Diabetology</i> , 2009 , 8, 54	8.7	25
121	A genome-wide screen for interactions reveals a new locus on 4p15 modifying the effect of waist-to-hip ratio on total cholesterol. <i>PLoS Genetics</i> , 2011 , 7, e1002333	6	25
120	HDL2 of heavy alcohol drinkers enhances cholesterol efflux from raw macrophages via phospholipid-rich HDL 2b particles. <i>Alcoholism: Clinical and Experimental Research</i> , 2008 , 32, 991-1000	3.7	25
119	Effect of metformin therapy on circulating amino acids in a randomized trial: the CAMERA study. <i>Diabetic Medicine</i> , 2016 , 33, 1569-1574	3.5	24
118	Prediction of cirrhosis in patients with chronic hepatitis C infection by artificial neural network analysis of virus and clinical factors. <i>Journal of Viral Hepatitis</i> , 1998 , 5, 255-64	3.4	24
117	A comparative study of 1H NMR lineshape fitting analyses and biochemical lipid analyses of the lipoprotein fractions VLDL, LDL and HDL, and total human blood plasma. <i>NMR in Biomedicine</i> , 1993 , 6, 225-33	4.4	24
116	Investigating the effects of lycopene and green tea on the metabolome of men at risk of prostate cancer: The ProDiet randomised controlled trial. <i>International Journal of Cancer</i> , 2019 , 144, 1918-1928	7.5	24
115	What is LDL cholesterol?. <i>Nature Reviews Cardiology</i> , 2019 , 16, 197-198	14.8	23
114	Genetic and environmental determinants of total and high-molecular weight adiponectin in families with low HDL-cholesterol and early onset coronary heart disease. <i>Atherosclerosis</i> , 2010 , 210, 479-85	3.1	23
113	Phospholipase A(2)-modified LDL particles retain the generated hydrolytic products and are more atherogenic at acidic pH. <i>Atherosclerosis</i> , 2009 , 207, 352-9	3.1	23
112	Changes in a phospholipid bilayer induced by the hydrolysis of a phospholipase A2 enzyme: a molecular dynamics simulation study. <i>Biophysical Journal</i> , 2001 , 80, 565-78	2.9	23
111	Remodeling of HDL by phospholipid transfer protein: demonstration of particle fusion by 1H NMR spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 249, 910-6	3.4	23
110	Proof of concept for quantitative urine NMR metabolomics pipeline for large-scale epidemiology and genetics. <i>International Journal of Epidemiology</i> , 2019 , 48, 978-993	7.8	21
109	Identification of seven novel loci associated with amino acid levels using single-variant and gene-based tests in 8545 Finnish men from the METSIM study. <i>Human Molecular Genetics</i> , 2018 , 27, 1664-1674	5.6	20

108	Quantification of metabolites from single-voxel in vivo 1H NMR data of normal human brain by means of time-domain data analysis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1995 , 3, 129-36	2.8	20
107	Metabolic Characterization of a Rare Genetic Variation Within APOC3 and Its Lipoprotein Lipase-Independent Effects. <i>Circulation: Cardiovascular Genetics</i> , 2016 , 9, 231-9		20
106	Circulating metabolic biomarkers of renal function in diabetic and non-diabetic populations. <i>Scientific Reports</i> , 2018 , 8, 15249	4.9	20
105	The Effect of Plasma Lipids and Lipid-Lowering Interventions on Bone Mineral Density: A Mendelian Randomization Study. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1224-1235	6.3	19
104	Detection of low density lipoprotein particle fusion by proton nuclear magnetic resonance spectroscopy. <i>Journal of Lipid Research</i> , 1998 , 39, 1705-1712	6.3	19
103	Insulin resistance and systemic metabolic changes in oral glucose tolerance test in 5340 individuals: an interventional study. <i>BMC Medicine</i> , 2019 , 17, 217	11.4	19
102	Biomarker Glycoprotein Acetyls Is Associated With the Risk of a Wide Spectrum of Incident Diseases and Stratifies Mortality Risk in Angiography Patients. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e002234	5.2	19
101	Genome metabolome integrated network analysis to uncover connections between genetic variants and complex traits: an application to obesity. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20130908	4.1	18
100	Assessing multivariate gene-metabolome associations with rare variants using Bayesian reduced rank regression. <i>Bioinformatics</i> , 2014 , 30, 2026-34	7.2	18
99	Evidence for distinct behaviour of phosphatidylcholine and sphingomyelin at the low density lipoprotein surface. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 234, 733-7	3.4	18
98	Application of quantitative artificial neural network analysis to 2D NMR spectra of hydrocarbon mixtures. <i>Journal of Chemical Information and Computer Sciences</i> , 2002 , 42, 1343-6		18
97	Absolute quantification of phospholipid metabolites in brain-tissue extracts by 1H NMR spectroscopy. <i>Journal of Magnetic Resonance Series B</i> , 1996 , 113, 184-9		18
96	Genetic and environmental perturbations lead to regulatory decoherence. <i>ELife</i> , 2019 , 8,	8.9	18
95	The effect of apolipoprotein E polymorphism on serum metabolome - a population-based 10-year follow-up study. <i>Scientific Reports</i> , 2019 , 9, 458	4.9	17
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