Abbas Dehghan

List of Publications by Citations

300 papers	38,338 citations	82 h-index	193 g-index
327 ext. papers	47,550 ext. citations	10.9 avg, IF	7.42 L-index

#	Paper	IF	Citations
300	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128□9 million children, adolescents, and adults. *Lancet, The*, **2017**, 390, 2627-2642	40	2980
299	Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19□2 million participants. *Lancet, The*, **2016**, 387, 1377-1396	40	2787
298	Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants. *Lancet, The*, **2016**, 387, 1513-1530	40	2039
297	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. *Nature Genetics*, **2010**, 42, 105-16	36.3	1673
296	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. *Nature* , **2011**, 478, 103-9	50.4	1564
295	Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. *Nature Genetics*, **2011**, 43, 333-8	36.3	1394
294	A comprehensive 1,000 Genomes-based genome-wide association meta-analysis of coronary artery disease. *Nature Genetics*, **2015**, 47, 1121-1130	36.3	1290
293	Large-scale association analysis identifies new risk loci for coronary artery disease. *Nature Genetics*, **2013**, 45, 25-33	36.3	1172
292	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19□1 million participants. *Lancet, The*, **2017**, 389, 37-55	40	1100
291	Genome-wide association study of blood pressure and hypertension. *Nature Genetics*, **2009**, 41, 677-87	36.3	1065
290	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. *Nature Genetics*, **2018**, 50, 1505-1513	36.3	675
289	New loci associated with kidney function and chronic kidney disease. *Nature Genetics*, **2010**, 42, 376-84	36.3	599
288	Variants in MTNR1B influence fasting glucose levels. *Nature Genetics*, **2009**, 41, 77-81	36.3	584
287	Association of three genetic loci with uric acid concentration and risk of gout: a genome-wide association study. *Lancet, The*, **2008**, 372, 1953-61	40	520
286	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. *Nature*, **2017**, 541, 81-86	50.4	511
285	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. *Nature Genetics*, **2013**, 45, 145-54	36.3	505
284	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. *American Journal of Human Genetics*, **2016**, 98, 680-96	11	489

283	Multiple loci associated with indices of renal function and chronic kidney disease. *Nature Genetics*, **2009**, 41, 712-7	36.3	469
282	Association between alcohol and cardiovascular disease: Mendelian randomisation analysis based on individual participant data. *BMJ, The*, **2014**, 349, g4164	5.9	406
281	Meta-analysis of genome-wide association studies in >80 000 subjects identifies multiple loci for C-reactive protein levels. *Circulation*, **2011**, 123, 731-8	16.7	395
280	High serum uric acid as a novel risk factor for type 2 diabetes. *Diabetes Care*, **2008**, 31, 361-2	14.6	391
279	Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals. *PLoS Genetics*, **2012**, 8, e1002607	6	326
278	Variants in ZFHX3 are associated with atrial fibrillation in individuals of European ancestry. *Nature Genetics*, **2009**, 41, 879-81	36.3	307
277	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nature Communications*, **2016**, 7, 10023	17.4	295
276	Multiple loci influence erythrocyte phenotypes in the CHARGE Consortium. *Nature Genetics*, **2009**, 41, 1191-8	36.3	285
275	Novel associations of multiple genetic loci with plasma levels of factor VII, factor VIII, and von Willebrand factor: The CHARGE (Cohorts for Heart and Aging Research in Genome Epidemiology) Consortium. *Circulation*, **2010**, 121, 1382-92	16.7	260
274	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. *Nature Communications*, **2018**, 9, 2098	17.4	254
273	Multiple genetic loci influence serum urate levels and their relationship with gout and cardiovascular disease risk factors. *Circulation: Cardiovascular Genetics*, **2010**, 3, 523-30		243
272	High bone mineral density and fracture risk in type 2 diabetes as skeletal complications of inadequate glucose control: the Rotterdam Study. *Diabetes Care*, **2013**, 36, 1619-28	14.6	240
271	Association of low-frequency and rare coding-sequence variants with blood lipids and coronary heart disease in 56,000 whites and blacks. *American Journal of Human Genetics*, **2014**, 94, 223-32	11	233
270	Predicting type 2 diabetes based on polymorphisms from genome-wide association studies: a population-based study. *Diabetes*, **2008**, 57, 3122-8	0.9	231
269	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. *Lancet Diabetes and Endocrinology,the*, **2017**, 5, 97-105	18.1	225
268	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. *Nature Genetics*, **2015**, 47, 1282-1293	36.3	223
267	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. *Nature Genetics*, **2018**, 50, 559-571	36.3	221
266	A catalog of genetic loci associated with kidney function from analyses of a million individuals. *Nature Genetics*, **2019**, 51, 957-972	36.3	217

265	Genome-wide association study for coronary artery calcification with follow-up in myocardial infarction. *Circulation*, **2011**, 124, 2855-64	16.7	213
264	Large-scale genomic studies reveal central role of ABO in sP-selectin and sICAM-1 levels. *Human Molecular Genetics*, **2010**, 19, 1863-72	5.6	186
263	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications*, **2016**, 7, 10495	17.4	180
262	Genome-wide association meta-analysis for total serum bilirubin levels. *Human Molecular Genetics*, **2009**, 18, 2700-10	5.6	177
261	Genetic variation, C-reactive protein levels, and incidence of diabetes. *Diabetes*, **2007**, 56, 872-8	0.9	177
260	Large-scale gene-centric analysis identifies novel variants for coronary artery disease. *PLoS Genetics* , **2011**, 7, e1002260	6	175
259	Maternal plasma folate impacts differential DNA methylation in an epigenome-wide meta-analysis of newborns. *Nature Communications*, **2016**, 7, 10577	17.4	172
258	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. *Genome Biology*, **2016**, 17, 255	18.3	171
257	Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque. *Nature Genetics*, **2011**, 43, 940-7	36.3	168
256	Genetic variants associated with cardiac structure and function: a meta-analysis and replication of genome-wide association data. *JAMA - Journal of the American Medical Association*, **2009**, 302, 168-78	27.4	164
255	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. *Nature Communications*, **2015**, 6, 5897	17.4	147
254	Association of genome-wide variation with the risk of incident heart failure in adults of European and African ancestry: a prospective meta-analysis from the cohorts for heart and aging research in genomic epidemiology (CHARGE) consortium. *Circulation: Cardiovascular Genetics*, **2010**, 3, 256-66		147
253	Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. *Human Molecular Genetics*, **2011**, 20, 2273-84	5.6	146
252	The role of adiposity in cardiometabolic traits: a Mendelian randomization analysis. *PLoS Medicine*, **2013**, 10, e1001474	11.6	144
251	Genome-wide association studies of serum magnesium, potassium, and sodium concentrations identify six Loci influencing serum magnesium levels. *PLoS Genetics*, **2010**, 6, e1001045	6	144
250	Association of eGFR-Related Loci Identified by GWAS with Incident CKD and ESRD. *PLoS Genetics*, **2011**, 7, e1002292	6	144
249	Genome-wide association and functional follow-up reveals new loci for kidney function. *PLoS Genetics*, **2012**, 8, e1002584	6	143
248	Genome-wide association and Mendelian randomisation analysis provide insights into the pathogenesis of heart failure. *Nature Communications*, **2020**, 11, 163	17.4	140

247	A genome-wide association search for type 2 diabetes genes in African Americans. *PLoS ONE*, **2012**, 7, e29202	3.7	138
246	Lifetime risk of developing impaired glucose metabolism and eventual progression from prediabetes to type 2 diabetes: a prospective cohort study. *Lancet Diabetes and Endocrinology,the*, **2016**, 4, 44-51	18.1	128
245	Predictive Accuracy of a Polygenic Risk Score-Enhanced Prediction Model vs a Clinical Risk Score for Coronary Artery Disease. *JAMA - Journal of the American Medical Association*, **2020**, 323, 636-645	27.4	125
244	Uromodulin levels associate with a common UMOD variant and risk for incident CKD. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 337-44	12.7	123
243	Common genetic loci influencing plasma homocysteine concentrations and their effect on risk of coronary artery disease. *American Journal of Clinical Nutrition*, **2013**, 98, 668-76	7	122
242	Polygenic dissection of major depression clinical heterogeneity. *Molecular Psychiatry*, **2016**, 21, 516-22	15.1	121
241	Subclinical Hypothyroidism and the Risk of Stroke Events and Fatal Stroke: An Individual Participant Data Analysis. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 2181-91	5.6	112
240	Genetic Association of Major Depression With Atypical Features and Obesity-Related Immunometabolic Dysregulations. *JAMA Psychiatry*, **2017**, 74, 1214-1225	14.5	109
239	Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: a pooled analysis of 96 population-based studies with 331,288 participants. *Lancet Diabetes and Endocrinology,the*, **2015**, 3, 624-37	18.1	109
238	The role of epigenetic modifications in cardiovascular disease: A systematic review. *International Journal of Cardiology*, **2016**, 212, 174-83	3.2	109
237	Multiethnic meta-analysis of genome-wide association studies in >100 000 subjects identifies 23 fibrinogen-associated Loci but no strong evidence of a causal association between circulating fibrinogen and cardiovascular disease. *Circulation*, **2013**, 128, 1310-24	16.7	107
236	Polygenic Overlap Between C-Reactive Protein, Plasma Lipids, and Alzheimer Disease. *Circulation*, **2015**, 131, 2061-2069	16.7	100
235	Meta-analysis of genome-wide association studies identifies six new Loci for serum calcium concentrations. *PLoS Genetics*, **2013**, 9, e1003796	6	100
234	Investigating the Causal Relationship of C-Reactive Protein with 32 Complex Somatic and Psychiatric Outcomes: A Large-Scale Cross-Consortium Mendelian Randomization Study. *PLoS Medicine*, **2016**, 13, e1001976	11.6	100
233	Adiposity as a cause of cardiovascular disease: a Mendelian randomization study. *International Journal of Epidemiology*, **2015**, 44, 578-86	7.8	97
232	Duffy antigen receptor for chemokines (Darc) polymorphism regulates circulating concentrations of monocyte chemoattractant protein-1 and other inflammatory mediators. *Blood*, **2010**, 115, 5289-99	2.2	96
231	Identification of a sudden cardiac death susceptibility locus at 2q24.2 through genome-wide association in European ancestry individuals. *PLoS Genetics*, **2011**, 7, e1002158	6	95
230	Common genetic variants associate with serum phosphorus concentration. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 1223-32	12.7	93

229	Multiple loci are associated with white blood cell phenotypes. *PLoS Genetics*, **2011**, 7, e1002113	6	92
228	Secretory phospholipase A(2)-IIA and cardiovascular disease: a mendelian randomization study. *Journal of the American College of Cardiology*, **2013**, 62, 1966-1976	15.1	91
227	Thyroid Function and the Risk of Nonalcoholic Fatty Liver Disease: The Rotterdam Study. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 3204-11	5.6	89
226	Genetic variation associated with plasma von Willebrand factor levels and the risk of incident venous thrombosis. *Blood*, **2011**, 117, 6007-11	2.2	87
225	Common genetic variation at the IL1RL1 locus regulates IL-33/ST2 signaling. *Journal of Clinical Investigation*, **2013**, 123, 4208-18	15.9	87
224	Association of the PHACTR1/EDN1 Genetic Locus With Spontaneous Coronary Artery Dissection. *Journal of the American College of Cardiology*, **2019**, 73, 58-66	15.1	86
223	Arterial Stiffness and Decline in Kidney Function. *Clinical Journal of the American Society of Nephrology: CJASN*, **2015**, 10, 2190-7	6.9	84
222	Association between chromosome 9p21 variants and the ankle-brachial index identified by a meta-analysis of 21 genome-wide association studies. *Circulation: Cardiovascular Genetics*, **2012**, 5, 100-12		84
221	A meta-analysis of gene expression signatures of blood pressure and hypertension. *PLoS Genetics*, **2015**, 11, e1005035	6	83
220	Genome-wide association study of kidney function decline in individuals of European descent. *Kidney International*, **2015**, 87, 1017-29	9.9	83
219	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. *American Journal of Human Genetics*, **2017**, 101, 888-902	11	83
218	Pleiotropic genes for metabolic syndrome and inflammation. *Molecular Genetics and Metabolism*, **2014**, 112, 317-38	3.7	81
217	Gene-age interactions in blood pressure regulation: a large-scale investigation with the CHARGE, Global BPgen, and ICBP Consortia. *American Journal of Human Genetics*, **2014**, 95, 24-38	11	80
216	Thyroid function and risk of type 2 diabetes: a population-based prospective cohort study. *BMC Medicine*, **2016**, 14, 150	11.4	78
215	Common variants in the calcium-sensing receptor gene are associated with total serum calcium levels. *Human Molecular Genetics*, **2010**, 19, 4296-303	5.6	77
214	Association of novel genetic Loci with circulating fibrinogen levels: a genome-wide association study in 6 population-based cohorts. *Circulation: Cardiovascular Genetics*, **2009**, 2, 125-33		77
213	Understanding the consequences of education inequality on cardiovascular disease: mendelian randomisation study. *BMJ, The*, **2019**, 365, l1855	5.9	76
212	Common genetic variation in the 3SBCL11B gene desert is associated with carotid-femoral pulse wave velocity and excess cardiovascular disease risk: the AortaGen Consortium. *Circulation: Cardiovascular Genetics*, **2012**, 5, 81-90		76

211	Eight genetic loci associated with variation in lipoprotein-associated phospholipase A2 mass and activity and coronary heart disease: meta-analysis of genome-wide association studies from five community-based studies. *European Heart Journal*, **2012**, 33, 238-51	9.5	75
210	Genetic correlations among psychiatric and immune-related phenotypes based on genome-wide association data. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2018**, 177, 641-657	3.5	75
209	Epigenome-wide association study (EWAS) on lipids: the Rotterdam Study. *Clinical Epigenetics*, **2017**, 9, 15	7.7	71
208	1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. *Scientific Reports*, **2017**, 7, 45040	4.9	70
207	Genetic Predisposition to High Blood Pressure and Lifestyle Factors: Associations With Midlife Blood Pressure Levels and Cardiovascular Events. *Circulation*, **2018**, 137, 653-661	16.7	70
206	Genomic variation associated with mortality among adults of European and African ancestry with heart failure: the cohorts for heart and aging research in genomic epidemiology consortium. *Circulation: Cardiovascular Genetics*, **2010**, 3, 248-55		66
205	The Role of DNA Methylation and Histone Modifications in Neurodegenerative Diseases: A Systematic Review. *PLoS ONE*, **2016**, 11, e0167201	3.7	66
204	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. *Circulation*, **2019**, 140, 645-657	16.7	65
203	Genome-wide association study for circulating levels of PAI-1 provides novel insights into its regulation. *Blood*, **2012**, 120, 4873-81	2.2	65
202	Genome-wide association analysis of soluble ICAM-1 concentration reveals novel associations at the NFKBIK, PNPLA3, RELA, and SH2B3 loci. *PLoS Genetics*, **2011**, 7, e1001374	6	65
201	Cystatin C and Cardiovascular Disease: A Mendelian Randomization Study. *Journal of the American College of Cardiology*, **2016**, 68, 934-45	15.1	65
200	Variance heterogeneity analysis for detection of potentially interacting genetic loci: method and its limitations. *BMC Genetics*, **2010**, 11, 92	2.6	64
199	GWAS and colocalization analyses implicate carotid intima-media thickness and carotid plaque loci in cardiovascular outcomes. *Nature Communications*, **2018**, 9, 5141	17.4	64
198	Circulating Levels of Interleukin 1-Receptor Antagonist and Risk of Cardiovascular Disease: Meta-Analysis of Six Population-Based Cohorts. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 1222-1227	9.4	62
197	Associations of Steroid Sex Hormones and Sex Hormone-Binding Globulin With the Risk of Type 2 Diabetes in Women: A Population-Based Cohort Study and Meta-analysis. *Diabetes*, **2017**, 66, 577-586	0.9	61
196	Thyroid function and the risk of dementia: The Rotterdam Study. *Neurology*, **2016**, 87, 1688-1695	6.5	61
195	Platelet-Related Variants Identified by Exomechip Meta-analysis in 157,293 Individuals. *American Journal of Human Genetics*, **2016**, 99, 40-55	11	61
194	Thyroid Function and Cancer Risk: The Rotterdam Study. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 5030-5036	5.6	60

193	Association of variation at the ABO locus with circulating levels of soluble intercellular adhesion molecule-1, soluble P-selectin, and soluble E-selectin: a meta-analysis. *Circulation: Cardiovascular Genetics*, **2011**, 4, 681-6		59
192	Serum metabolic signatures of coronary and carotid atherosclerosis and subsequent cardiovascular disease. *European Heart Journal*, **2019**, 40, 2883-2896	9.5	58
191	Normal Thyroid Function and the Risk of Atrial Fibrillation: the Rotterdam Study. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 3718-24	5.6	58
190	Discovery and fine mapping of serum protein loci through transethnic meta-analysis. *American Journal of Human Genetics*, **2012**, 91, 744-53	11	58
189	Mining the human phenome using allelic scores that index biological intermediates. *PLoS Genetics*, **2013**, 9, e1003919	6	58
188	An RBP4 promoter polymorphism increases risk of type 2 diabetes. *Diabetologia*, **2008**, 51, 1423-8	10.3	58
187	Resting heart rate and the risk of heart failure in healthy adults: the Rotterdam Study. *Circulation: Heart Failure*, **2013**, 6, 403-10	7.6	55
186	Thyroid Function and Sudden Cardiac Death: A Prospective Population-Based Cohort Study. *Circulation*, **2016**, 134, 713-22	16.7	55
185	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. *Human Molecular Genetics*, **2016**, 25, 358-70	5.6	54
184	Integration of genome-wide association studies with biological knowledge identifies six novel genes related to kidney function. *Human Molecular Genetics*, **2012**, 21, 5329-43	5.6	54
183	Risk of type 2 diabetes attributable to C-reactive protein and other risk factors. *Diabetes Care*, **2007** , 30, 2695-9	14.6	54
182	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. *American Journal of Human Genetics*, **2019**, 104, 112-138	11	54
181	Genome-Wide Association Study for Incident Myocardial Infarction and Coronary Heart Disease in Prospective Cohort Studies: The CHARGE Consortium. *PLoS ONE*, **2016**, 11, e0144997	3.7	53
180	Effects of long-term averaging of quantitative blood pressure traits on the detection of genetic associations. *American Journal of Human Genetics*, **2014**, 95, 49-65	11	52
179	Age at natural menopause and risk of type 2 diabetes: a prospective cohort study. *Diabetologia*, **2017**, 60, 1951-1960	10.3	52
178	Thyroid Function Characteristics and Determinants: The Rotterdam Study. *Thyroid*, **2016**, 26, 1195-204	6.2	52
177	A genetic risk score based on direct associations with coronary heart disease improves coronary heart disease risk prediction in the Atherosclerosis Risk in Communities (ARIC), but not in the Rotterdam and Framingham Offspring, Studies. *Atherosclerosis*, **2012**, 223, 421-6	3.1	51
176	Discovery and refinement of genetic loci associated with cardiometabolic risk using dense imputation maps. *Nature Genetics*, **2016**, 48, 1303-1312	36.3	51

175	Genome-Wide Association Transethnic Meta-Analyses Identifies Novel Associations Regulating Coagulation Factor VIII and von Willebrand Factor Plasma Levels. *Circulation*, **2019**, 139, 620-635	16.7	51
174	Age- and sex-specific causal effects of adiposity on cardiovascular risk factors. *Diabetes*, **2015**, 64, 1841-52	7.9	50
173	Thyroid Function Within the Reference Range and the Risk of Stroke: An Individual Participant Data Analysis. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 4270-4282	5.6	50
172	Serum magnesium and the risk of prediabetes: a population-based cohort study. *Diabetologia*, **2017**, 60, 843-853	10.3	49
171	Tobacco smoking is associated with methylation of genes related to coronary artery disease. *Clinical Epigenetics*, **2015**, 7, 54	7.7	49
170	The association between serum uric acid and the incidence of prediabetes and type 2 diabetes mellitus: The Rotterdam Study. *PLoS ONE*, **2017**, 12, e0179482	3.7	48
169	Genetic predictors of fibrin D-dimer levels in healthy adults. *Circulation*, **2011**, 123, 1864-72	16.7	47
168	The Association between Metabolic Syndrome, Bone Mineral Density, Hip Bone Geometry and Fracture Risk: The Rotterdam Study. *PLoS ONE*, **2015**, 10, e0129116	3.7	47
167	Predicting stroke through genetic risk functions: the CHARGE Risk Score Project. *Stroke*, **2014**, 45, 403-12	6.7	46
166	Genetic variation associated with circulating monocyte count in the eMERGE Network. *Human Molecular Genetics*, **2013**, 22, 2119-27	5.6	46
165	Use of Genetic Variants Related to Antihypertensive Drugs to Inform on Efficacy and Side Effects. *Circulation*, **2019**, 140, 270-279	16.7	45
164	Genetic Variations in MicroRNA-Binding Sites Affect MicroRNA-Mediated Regulation of Several Genes Associated With Cardio-metabolic Phenotypes. *Circulation: Cardiovascular Genetics*, **2015**, 8, 473-86		45
163	Trans-ethnic meta-analysis of white blood cell phenotypes. *Human Molecular Genetics*, **2014**, 23, 6944-60	5.6	45
162	Rare and low-frequency variants and their association with plasma levels of fibrinogen, FVII, FVIII, and vWF. *Blood*, **2015**, 126, e19-29	2.2	45
161	Metabolic syndrome is related to polyneuropathy and impaired peripheral nerve function: a prospective population-based cohort study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, 1336-1342	5.5	45
160	The Consortium of Metabolomics Studies (COMETS): Metabolomics in 47 Prospective Cohort Studies. *American Journal of Epidemiology*, **2019**, 188, 991-1012	3.8	44
159	The trans-ancestral genomic architecture of glycemic traits. *Nature Genetics*, **2021**, 53, 840-860	36.3	44
158	Large-Scale Exome-wide Association Analysis Identifies Loci for White Blood Cell Traits and Pleiotropy with Immune-Mediated Diseases. *American Journal of Human Genetics*, **2016**, 99, 22-39	11	42

157	Vitamin D and C-Reactive Protein: A Mendelian Randomization Study. *PLoS ONE*, **2015**, 10, e0131740	3.7	42
156	An Epigenome-Wide Association Study of Obesity-Related Traits. *American Journal of Epidemiology*, **2018**, 187, 1662-1669	3.8	41
155	What is new in the exposome?. *Environment International*, **2020**, 143, 105887	12.9	40
154	Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. *International Journal of Epidemiology*, **2018**, 47, 872-883i	7.8	40
153	The relation of uric acid to brain atrophy and cognition: the Rotterdam Scan Study. *Neuroepidemiology*, **2013**, 41, 29-34	5.4	40
152	Risk scores of common genetic variants for lipid levels influence atherosclerosis and incident coronary heart disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 2233-9	9.4	40
151	Serum uric acid and chronic kidney disease: the role of hypertension. *PLoS ONE*, **2013**, 8, e76827	3.7	40
150	Bivariate genome-wide association study identifies novel pleiotropic loci for lipids and inflammation. *BMC Genomics*, **2016**, 17, 443	4.5	40
149	Phosphodiesterase 1 regulation is a key mechanism in vascular aging. *Clinical Science*, **2015**, 129, 1061-75	6.5	39
148	EN-RAGE: a novel inflammatory marker for incident coronary heart disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 2695-9	9.4	39
147	Genetic Variants in MicroRNAs and Their Binding Sites Are Associated with the Risk of Parkinson Disease. *Human Mutation*, **2016**, 37, 292-300	4.7	39
146	Epigenome-Wide Association Study Identifies Methylation Sites Associated With Liver Enzymes and Hepatic Steatosis. *Gastroenterology*, **2017**, 153, 1096-1106.e2	13.3	38
145	SIRT1 genetic variation and mortality in type 2 diabetes: interaction with smoking and dietary niacin. *Free Radical Biology and Medicine*, **2009**, 46, 836-41	7.8	38
144	A genetic variant in the seed region of miR-4513 shows pleiotropic effects on lipid and glucose homeostasis, blood pressure, and coronary artery disease. *Human Mutation*, **2014**, 35, 1524-31	4.7	37
143	Iron Status and Risk of Stroke. *Stroke*, **2018**, 49, 2815-2821	6.7	37
142	Loss of Cardioprotective Effects at the Locus as a Result of Gene-Smoking Interactions. *Circulation*, **2017**, 135, 2336-2353	16.7	36
141	Subclinical thyroid dysfunction and the risk of stroke: a systematic review and meta-analysis. *European Journal of Epidemiology*, **2014**, 29, 791-800	12.1	36
140	Kidney Function and Cerebral Blood Flow: The Rotterdam Study. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 715-21	12.7	35

139	The Influence of Serum Uric Acid on Bone Mineral Density, Hip Geometry, and Fracture Risk: The Rotterdam Study. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 1113-22	5.6	35
138	Incremental predictive value of 152 single nucleotide polymorphisms in the 10-year risk prediction of incident coronary heart disease: the Rotterdam Study. *International Journal of Epidemiology*, **2015**, 44, 682-8	7.8	35
137	Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. *Circulation: Cardiovascular Genetics*, **2016**, 9, 511-520		34
136	Genome-wide association studies identify genetic loci for low von Willebrand factor levels. *European Journal of Human Genetics*, **2016**, 24, 1035-40	5.3	34
135	Thyroid function and age-related macular degeneration: a prospective population-based cohort study--the Rotterdam Study. *BMC Medicine*, **2015**, 13, 94	11.4	34
134	Polyunsaturated fatty acids and serum C-reactive protein: the Rotterdam study. *American Journal of Epidemiology*, **2015**, 181, 846-56	3.8	34
133	Tobacco smoking is associated with DNA methylation of diabetes susceptibility genes. *Diabetologia* , **2016**, 59, 998-1006	10.3	33
132	Genome-wide association study for circulating tissue plasminogen activator levels and functional follow-up implicates endothelial STXBP5 and STX2. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1093-101	9.4	33
131	Identifying Novel Gene Variants in Coronary Artery Disease and Shared Genes With Several Cardiovascular Risk Factors. *Circulation Research*, **2016**, 118, 83-94	15.7	32
130	Genome-wide identification of microRNA-related variants associated with risk of Alzheimer's disease. *Scientific Reports*, **2016**, 6, 28387	4.9	32
129	Serum Levels of Apolipoproteins and Incident Type 2 Diabetes: A Prospective Cohort Study. *Diabetes Care*, **2017**, 40, 346-351	14.6	31
128	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. *Nature Communications*, **2019**, 10, 2581	17.4	31
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