Mark J Caulfield

List of Publications by Citations

218 papers	52,623 citations	90 h-index	229 g-index
237 ext. papers	61,921 ext. citations	15.7 avg, IF	6.18 L-index

#	Paper	IF	Citations
218	2013 ESH/ESC guidelines for the management of arterial hypertension: the Task Force for the Management of Arterial Hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC). *European Heart Journal*, **2013**, 34, 2159-219	9.5	3400
217	Prevention of coronary and stroke events with atorvastatin in hypertensive patients who have average or lower-than-average cholesterol concentrations, in the Anglo-Scandinavian Cardiac Outcomes Trial--Lipid Lowering Arm (ASCOT-LLA): a multicentre randomised controlled trial. *Lancet, The*, **2003**, 361, 1149-58	40	2873
216	Biological, clinical and population relevance of 95 loci for blood lipids. *Nature*, **2010**, 466, 707-13	50.4	2742
215	Genetic studies of body mass index yield new insights for obesity biology. *Nature*, **2015**, 518, 197-206	50.4	2687
214	Effects of torcetrapib in patients at high risk for coronary events. *New England Journal of Medicine*, **2007**, 357, 2109-22	59.2	2323
213	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. *Nature Genetics*, **2010**, 42, 937-48	36.3	2267
212	Prevention of cardiovascular events with an antihypertensive regimen of amlodipine adding perindopril as required versus atenolol adding bendroflumethiazide as required, in the Anglo-Scandinavian Cardiac Outcomes Trial-Blood Pressure Lowering Arm (ASCOT-BPLA): a multicentre randomised controlled trial. *Lancet, The*, **2005**, 366, 895-906	40	2253
211	Hundreds of variants clustered in genomic loci and biological pathways affect human height. *Nature*, **2010**, 467, 832-8	50.4	1514
210	Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. *Nature Genetics*, **2009**, 41, 25-34	36.3	1368
209	Defining the role of common variation in the genomic and biological architecture of adult human height. *Nature Genetics*, **2014**, 46, 1173-86	36.3	1339
208	Association scan of 14,500 nonsynonymous SNPs in four diseases identifies autoimmunity variants. *Nature Genetics*, **2007**, 39, 1329-37	36.3	1130
207	Common variants near MC4R are associated with fat mass, weight and risk of obesity. *Nature Genetics*, **2008**, 40, 768-75	36.3	1048
206	Reappraisal of European guidelines on hypertension management: a European Society of Hypertension Task Force document. *Journal of Hypertension*, **2009**, 27, 2121-58	1.9	1004
205	Genome-wide association study identifies eight loci associated with blood pressure. *Nature Genetics*, **2009**, 41, 666-76	36.3	970
204	New genetic loci link adipose and insulin biology to body fat distribution. *Nature*, **2015**, 518, 187-196	50.4	920
203	Blood pressure and incidence of twelve cardiovascular diseases: lifetime risks, healthy life-years lost, and age-specific associations in 1·25 million people. *Lancet, The*, **2014**, 383, 1899-911	40	886
202	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. *Nature Genetics*, **2014**, 46, 234-44	36.3	784

201	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. *Nature Genetics*, **2010**, 42, 949-60	36.3	724
200	Genome-wide association analysis identifies 20 loci that influence adult height. *Nature Genetics*, **2008**, 40, 575-83	36.3	654
199	Genome-wide association study of CNVs in 16,000 cases of eight common diseases and 3,000 shared controls. *Nature*, **2010**, 464, 713-20	50.4	639
198	Spironolactone versus placebo, bisoprolol, and doxazosin to determine the optimal treatment for drug-resistant hypertension (PATHWAY-2): a randomised, double-blind, crossover trial. *Lancet, The*, **2015**, 386, 2059-2068	40	632
197	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. *Nature Genetics*, **2012**, 44, 991-1005	36.3	621
196	Meta-analysis and imputation refines the association of 15q25 with smoking quantity. *Nature Genetics*, **2010**, 42, 436-40	36.3	521
195	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. *Nature Genetics*, **2013**, 45, 145-54	36.3	505
194	Meta-analysis of 28,141 individuals identifies common variants within five new loci that influence uric acid concentrations. *PLoS Genetics*, **2009**, 5, e1000504	6	495
193	Linkage of the angiotensinogen gene to essential hypertension. *New England Journal of Medicine*, **1994**, 330, 1629-33	59.2	489
192	Genetic mechanisms of critical illness in COVID-19. *Nature*, **2021**, 591, 92-98	50.4	451
191	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. *Nature Genetics*, **2013**, 45, 501-12	36.3	437
190	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. *Nature Genetics*, **2011**, 43, 1131-8	36.3	415
189	Rare and low-frequency coding variants alter human adult height. *Nature*, **2017**, 542, 186-190	50.4	412
188	Hypertension. *Lancet, The*, **2015**, 386, 801-12	40	410
187	Genome-wide association study in individuals of South Asian ancestry identifies six new type 2 diabetes susceptibility loci. *Nature Genetics*, **2011**, 43, 984-9	36.3	406
186	Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution. *PLoS Genetics*, **2009**, 5, e1000508	6	393
185	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. *Nature Genetics*, **2018**, 50, 1412-1425	36.3	386
184	Genetic risk, coronary heart disease events, and the clinical benefit of statin therapy: an analysis of primary and secondary prevention trials. *Lancet, The*, **2015**, 385, 2264-2271	40	371

183	Genome-wide association study identifies genes for biomarkers of cardiovascular disease: serum urate and dyslipidemia. *American Journal of Human Genetics*, **2008**, 82, 139-49	11	361
182	Bayesian refinement of association signals for 14 loci in 3 common diseases. *Nature Genetics*, **2012**, 44, 1294-301	36.3	347
181	Management of hypertension: summary of NICE guidance. *BMJ, The*, **2011**, 343, d4891	5.9	344
180	Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. *Nature Genetics*, **2011**, 43, 1005-11	36.3	338
179	Concept, design and implementation of a cardiovascular gene-centric 50 k SNP array for large-scale genomic association studies. *PLoS ONE*, **2008**, 3, e3583	3.7	321
178	Exome-wide association study of plasma lipids in >300,000 individuals. *Nature Genetics*, **2017**, 49, 1758-1766	36.3	310
177	Reduction in cardiovascular events with atorvastatin in 2,532 patients with type 2 diabetes: Anglo-Scandinavian Cardiac Outcomes Trial--lipid-lowering arm (ASCOT-LLA). *Diabetes Care*, **2005**, 28, 1151-7	14.6	309
176	Dietary nitrate provides sustained blood pressure lowering in hypertensive patients: a randomized, phase 2, double-blind, placebo-controlled study. *Hypertension*, **2015**, 65, 320-7	8.5	283
175	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. *PLoS Genetics*, **2013**, 9, e1003500	6	277
174	Role of blood pressure and other variables in the differential cardiovascular event rates noted in the Anglo-Scandinavian Cardiac Outcomes Trial-Blood Pressure Lowering Arm (ASCOT-BPLA). *Lancet, The*, **2005**, 366, 907-13	40	269
173	Genome-wide association study of blood pressure extremes identifies variant near UMOD associated with hypertension. *PLoS Genetics*, **2010**, 6, e1001177	6	255
172	SLC2A9 is a high-capacity urate transporter in humans. *PLoS Medicine*, **2008**, 5, e197	11.6	254
171	The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nature Genetics*, **2016**, 48, 1171-1184	36.3	251
170	Common variants in 22 loci are associated with QRS duration and cardiac ventricular conduction. *Nature Genetics*, **2010**, 42, 1068-76	36.3	249
169	Cost-effectiveness of options for the diagnosis of high blood pressure in primary care: a modelling study. *Lancet, The*, **2011**, 378, 1219-30	40	237
168	Comprehensive Rare Variant Analysis via Whole-Genome Sequencing to Determine the Molecular Pathology of Inherited Retinal Disease. *American Journal of Human Genetics*, **2017**, 100, 75-90	11	235
167	KLHL3 mutations cause familial hyperkalemic hypertension by impairing ion transport in the distal nephron. *Nature Genetics*, **2012**, 44, 456-60, S1-3	36.3	228
166	Genome-wide mapping of human loci for essential hypertension. *Lancet, The*, **2003**, 361, 2118-23	40	216

165	Large-scale gene-centric meta-analysis across 39 studies identifies type 2 diabetes loci. *American Journal of Human Genetics*, **2012**, 90, 410-25	11	214
164	Genetic loci influencing kidney function and chronic kidney disease. *Nature Genetics*, **2010**, 42, 373-5	36.3	205
163	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nature Genetics*, **2014**, 46, 826-36	36.3	199
162	Mutations in the TGF-□repressor SKI cause Shprintzen-Goldberg syndrome with aortic aneurysm. *Nature Genetics*, **2012**, 44, 1249-54	36.3	199
161	Rationale, design, methods and baseline demography of participants of the Anglo-Scandinavian Cardiac Outcomes Trial. ASCOT investigators. *Journal of Hypertension*, **2001**, 19, 1139-47	1.9	195
160	Large-scale gene-centric meta-analysis across 32 studies identifies multiple lipid loci. *American Journal of Human Genetics*, **2012**, 91, 823-38	11	189
159	Reappraisal of European guidelines on hypertension management: a European Society of Hypertension Task Force document. *Blood Pressure*, **2009**, 18, 308-47	1.7	186
158	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nature Genetics*, **2018**, 50, 26-41	36.3	186
157	The 100 000 Genomes Project: bringing whole genome sequencing to the NHS. *BMJ, The*, **2018**, 361, k1687	5.9	184
156	Causal Associations of Adiposity and Body Fat Distribution With Coronary Heart Disease, Stroke Subtypes, and Type 2 Diabetes Mellitus: A Mendelian Randomization Analysis. *Circulation*, **2017**, 135, 2373-2388	16.7	182
155	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. *Nature Genetics*, **2016**, 48, 1151-1161	36.3	181
154	Genetic and molecular aspects of hypertension. *Circulation Research*, **2015**, 116, 937-59	15.7	165
153	Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. *American Journal of Human Genetics*, **2009**, 85, 628-42	11	163
152	Pharmacogenetic meta-analysis of genome-wide association studies of LDL cholesterol response to statins. *Nature Communications*, **2014**, 5, 5068	17.4	160
151	Genome-wide scan identifies CDH13 as a novel susceptibility locus contributing to blood pressure determination in two European populations. *Human Molecular Genetics*, **2009**, 18, 2288-96	5.6	154
150	Association of hypertension drug target genes with blood pressure and hypertension in 86,588 individuals. *Hypertension*, **2011**, 57, 903-10	8.5	154
149	Trans-ethnic association study of blood pressure determinants in over 750,000 individuals. *Nature Genetics*, **2019**, 51, 51-62	36.3	152
148	Enhanced vasodilator activity of nitrite in hypertension: critical role for erythrocytic xanthine oxidoreductase and translational potential. *Hypertension*, **2013**, 61, 1091-102	8.5	151

147	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
146	Blood pressure loci identified with a gene-centric array. *American Journal of Human Genetics*, **2011**, 89, 688-700	11	137
145	Gene-centric meta-analysis in 87,736 individuals of European ancestry identifies multiple blood-pressure-related loci. *American Journal of Human Genetics*, **2014**, 94, 349-60	11	131
144	Endocrine and haemodynamic changes in resistant hypertension, and blood pressure responses to spironolactone or amiloride: the PATHWAY-2 mechanisms substudies. *Lancet Diabetes and Endocrinology,the*, **2018**, 6, 464-475	18.1	126
143	Genomewide association study using a high-density single nucleotide polymorphism array and case-control design identifies a novel essential hypertension susceptibility locus in the promoter region of endothelial NO synthase. *Hypertension*, **2012**, 59, 248-55	8.5	124
142	Potential synergy between lipid-lowering and blood-pressure-lowering in the Anglo-Scandinavian Cardiac Outcomes Trial. *European Heart Journal*, **2006**, 27, 2982-8	9.5	121
141	Directional dominance on stature and cognition in diverse human populations. *Nature*, **2015**, 523, 459-462	30.4	119
140	Loci influencing blood pressure identified using a cardiovascular gene-centric array. *Human Molecular Genetics*, **2013**, 22, 1663-78	5.6	119
139	Genes for blood pressure: an opportunity to understand hypertension. *European Heart Journal*, **2013**, 34, 951-61	9.5	118
138	Functional analyses of coronary artery disease associated variation on chromosome 9p21 in vascular smooth muscle cells. *Human Molecular Genetics*, **2012**, 21, 4021-9	5.6	118
137	Genome-wide association study of survival from sepsis due to pneumonia: an observational cohort study. *Lancet Respiratory Medicine,the*, **2015**, 3, 53-60	35.1	108
136	Germline selection shapes human mitochondrial DNA diversity. *Science*, **2019**, 364,	33.3	105
135	Association of WNK1 gene polymorphisms and haplotypes with ambulatory blood pressure in the general population. *Circulation*, **2005**, 112, 3423-9	16.7	105
134	Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. *American Journal of Human Genetics*, **2011**, 88, 6-18	11	103
133	Ambulatory blood pressure monitoring predicts cardiovascular events in treated hypertensive patients--an Anglo-Scandinavian cardiac outcomes trial substudy. *Journal of Hypertension*, **2009**, 27, 876-85	4.9	99
132	Endothelial C-type natriuretic peptide maintains vascular homeostasis. *Journal of Clinical Investigation*, **2014**, 124, 4039-51	15.9	98
131	Pseudoexon activation as a novel mechanism for disease resulting in atypical growth-hormone insensitivity. *American Journal of Human Genetics*, **2001**, 69, 641-6	11	96
130	Common variants in genes underlying monogenic hypertension and hypotension and blood pressure in the general population. *Hypertension*, **2008**, 51, 1658-64	8.5	95

129	Prevention of coronary and stroke events with atorvastatin in hypertensive patients who have average or lower-than-average cholesterol concentrations, in the Anglo-Scandinavian Cardiac Outcomes Trial--Lipid Lowering Arm (ASCOT-LLA): a multicentre randomised controlled trial. *Drugs*, **2004**, 64 Suppl 2, 43-60	12.1	92
128	Targeting 160 candidate genes for blood pressure regulation with a genome-wide genotyping array. *PLoS ONE*, **2009**, 4, e6034	3.7	89
127	Essential hypertension in African Caribbeans associates with a variant of the beta2-adrenoceptor. *Hypertension*, **1997**, 30, 773-6	8.5	89
126	NICE hypertension guideline 2011: evidence based evolution. *BMJ, The*, **2012**, 344, e181	5.9	87
125	Novel Blood Pressure Locus and Gene Discovery Using Genome-Wide Association Study and Expression Data Sets From Blood and the Kidney. *Hypertension*, **2017**,	8.5	85
124	Advances in blood pressure genomics. *Circulation Research*, **2013**, 112, 1365-79	15.7	85
123	Evaluation of the angiotensinogen locus in human essential hypertension: a European study. *Hypertension*, **1998**, 31, 725-9	8.5	85
122	Common variants in the ATP2B1 gene are associated with susceptibility to hypertension: the Japanese Millennium Genome Project. *Hypertension*, **2010**, 56, 973-80	8.5	83
121	The Anglo-Scandinavian Cardiac Outcomes Trial: blood pressure-lowering limb: effects in patients with type II diabetes. *Journal of Hypertension*, **2008**, 26, 2103-11	1.9	83
120	PanelApp crowdsources expert knowledge to establish consensus diagnostic gene panels. *Nature Genetics*, **2019**, 51, 1560-1565	36.3	82
119	Haplotypes of the WNK1 gene associate with blood pressure variation in a severely hypertensive population from the British Genetics of Hypertension study. *Human Molecular Genetics*, **2005**, 14, 1805-14	5.6	82
118	Replication of the five novel loci for uric acid concentrations and potential mediating mechanisms. *Human Molecular Genetics*, **2010**, 19, 387-95	5.6	79
117	Genome-wide association study of genetic determinants of LDL-c response to atorvastatin therapy: importance of Lp(a). *Journal of Lipid Research*, **2012**, 53, 1000-1011	6.3	79
116	Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. *American Journal of Human Genetics*, **2012**, 90, 1116-1117	11	78
115	Causal association between periodontitis and hypertension: evidence from Mendelian randomization and a randomized controlled trial of non-surgical periodontal therapy. *European Heart Journal*, **2019**, 40, 3459-3470	9.5	77
114	The Anglo-Scandinavian Cardiac Outcomes Trial lipid lowering arm: extended observations 2 years after trial closure. *European Heart Journal*, **2008**, 29, 499-508	9.5	77
113	ADAMTS7 cleavage and vascular smooth muscle cell migration is affected by a coronary-artery-disease-associated variant. *American Journal of Human Genetics*, **2013**, 92, 366-74	11	75
112	Comparative analysis of genome-wide association studies signals for lipids, diabetes, and coronary heart disease: Cardiovascular Biomarker Genetics Collaboration. *European Heart Journal*, **2012**, 33, 393-407	9.5	75

111	Effect of amiloride, or amiloride plus hydrochlorothiazide, versus hydrochlorothiazide on glucose tolerance and blood pressure (PATHWAY-3): a parallel-group, double-blind randomised phase 4 trial. *Lancet Diabetes and Endocrinology,the*, **2016**, 4, 136-47	18.1	72
110	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
109	The novel genetic variant predisposing to coronary artery disease in the region of the PSRC1 and CELSR2 genes on chromosome 1 associates with serum cholesterol. *Journal of Molecular Medicine*, **2008**, 86, 1233-41	5.5	69
108	Predicting deleterious nsSNPs: an analysis of sequence and structural attributes. *BMC Bioinformatics*, **2006**, 7, 217	3.6	63
107	Genetics of essential hypertension. *Human Molecular Genetics*, **2004**, 13 Spec No 1, R169-75	5.6	63
106	Ethnic differences in blood pressure response to first and second-line antihypertensive therapies in patients randomized in the ASCOT Trial. *American Journal of Hypertension*, **2010**, 23, 1023-30	2.3	61
105	Extracellular volume quantification in isolated hypertension - changes at the detectable limits?. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17, 74	6.9	58
104	White Blood Cells and Blood Pressure: A Mendelian Randomization Study. *Circulation*, **2020**, 141, 1307-1317	29.7	58
103	Combination Therapy Is Superior to Sequential Monotherapy for the Initial Treatment of Hypertension: A Double-Blind Randomized Controlled Trial. *Journal of the American Heart Association*, **2017**, 6,	6	57
102	A deleterious gene-by-environment interaction imposed by calcium channel blockers in Marfan syndrome. *ELife*, **2015**, 4,	8.9	56
101	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
100	Genetic mechanisms of critical illness in Covid-19		51
99	Common genetic variation near the phospholamban gene is associated with cardiac repolarisation: meta-analysis of three genome-wide association studies. *PLoS ONE*, **2009**, 4, e6138	3.7	50
98	Two-dimensional genome-scan identifies novel epistatic loci for essential hypertension. *Human Molecular Genetics*, **2006**, 15, 1365-74	5.6	47
97	Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. *Molecular Psychiatry*, **2020**, 25, 2392-2409	15.1	45
96	The trans-ancestral genomic architecture of glycemic traits. *Nature Genetics*, **2021**, 53, 840-860	36.3	44
95	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. *Nature Genetics*, **2019**, 51, 452-469	36.3	44
94	Associations of autozygosity with a broad range of human phenotypes. *Nature Communications*, **2019**, 10, 4957	17.4	40

93	Angiotensinogen in human essential hypertension. *Hypertension*, **1996**, 28, 1123-5	8.5	37
92	A blood pressure-associated variant of the SLC39A8 gene influences cellular cadmium accumulation and toxicity. *Human Molecular Genetics*, **2016**, 25, 4117-4126	5.6	37
91	Polymorphisms in the WNK1 gene are associated with blood pressure variation and urinary potassium excretion. *PLoS ONE*, **2009**, 4, e5003	3.7	36
90	Polymorphic variation in the 11beta-hydroxylase gene associates with reduced 11-hydroxylase efficiency. *Hypertension*, **2007**, 49, 113-9	8.5	35
89	Exome Chip Meta-analysis Fine Maps Causal Variants and Elucidates the Genetic Architecture of Rare Coding Variants in Smoking and Alcohol Use. *Biological Psychiatry*, **2019**, 85, 946-955	7.9	35
88	New Blood Pressure-Associated Loci Identified in Meta-Analyses of 475 000 Individuals. *Circulation: Cardiovascular Genetics*, **2017**, 10,		33
87	Population genomics of cardiometabolic traits: design of the University College London-London School of Hygiene and Tropical Medicine-Edinburgh-Bristol (UCLEB) Consortium. *PLoS ONE*, **2013**, 8, e71345	3.7	33
86	Joint UK societies' 2014 consensus statement on renal denervation for resistant hypertension. *Heart*, **2015**, 101, 10-6	5.1	32
85	Nuclear-mitochondrial DNA segments resemble paternally inherited mitochondrial DNA in humans. *Nature Communications*, **2020**, 11, 1740	17.4	32
84	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. *PLoS ONE*, **2018**, 13, e0198166	3.7	31
83	Common polymorphisms in the CYP11B1 and CYP11B2 genes: evidence for a digenic influence on hypertension. *Hypertension*, **2013**, 61, 232-9	8.5	31
82	Chromosome 2p shows significant linkage to antihypertensive response in the British Genetics of Hypertension Study. *Hypertension*, **2006**, 47, 603-8	8.5	31
81	Coronary-Heart-Disease-Associated Genetic Variant at the COL4A1/COL4A2 Locus Affects COL4A1/COL4A2 Expression, Vascular Cell Survival, Atherosclerotic Plaque Stability and Risk of Myocardial Infarction. *PLoS Genetics*, **2016**, 12, e1006127	6	31
80	Modulation of genetic associations with serum urate levels by body-mass-index in humans. *PLoS ONE*, **2015**, 10, e0119752	3.7	31
79	Glutathione S-transferase variants and hypertension. *Journal of Hypertension*, **2008**, 26, 1343-52	1.9	30
78	Impact of amlodipine-based therapy among older and younger patients in the Anglo-Scandinavian Cardiac Outcomes Trial-Blood Pressure Lowering Arm (ASCOT-BPLA). *Journal of Hypertension*, **2011**, 29, 583-91	1.9	28
77	Genetics of hypertension. Therapeutic implications. *Drugs*, **1998**, 56, 203-14	12.1	28
76	Meta-analysis of genome-wide association studies of HDL cholesterol response to statins. *Journal of Medical Genetics*, **2016**, 53, 835-845	5.8	28

75	Renal artery sympathetic denervation: observations from the UK experience. *Clinical Research in Cardiology*, **2016**, 105, 544-52	6.1	26
74	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nature Genetics*, **2020**, 52, 1314-1332	36.3	26
73	Exploring hypertension genome-wide association studies findings and impact on pathophysiology, pathways, and pharmacogenetics. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2015**, 7, 73-90	6.6	25
72	Pan-ancestry exome-wide association analyses of COVID-19 outcomes in 586,157 individuals. *American Journal of Human Genetics*, **2021**, 108, 1350-1355	11	25
71	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
70	Increased support for linkage of a novel locus on chromosome 5q13 for essential hypertension in the British Genetics of Hypertension Study. *Hypertension*, **2006**, 48, 105-11	8.5	21
69	Possible association but no linkage of the HSD11B2 gene encoding the kidney isozyme of 11beta-hydroxysteroid dehydrogenase to hypertension in Black people. *Clinical Endocrinology*, **2001**, 55, 249-52	3.4	21
68	Genetics of hypertension. *Current Opinion in Genetics and Development*, **2000**, 10, 325-9	4.9	21
67	Linkage analysis using co-phenotypes in the BRIGHT study reveals novel potential susceptibility loci for hypertension. *American Journal of Human Genetics*, **2006**, 79, 323-31	11	20
66	Novel polymorphic AluYb8 insertion in the WNK1 gene is associated with blood pressure variation in Europeans. *Human Mutation*, **2011**, 32, 806-14	4.7	19
65	Increased NBCn1 expression, Na+/HCO3- co-transport and intracellular pH in human vascular smooth muscle cells with a risk allele for hypertension. *Human Molecular Genetics*, **2017**, 26, 989-1002	5.6	18
64	Genome-wide association meta-analysis of 30,000 samples identifies seven novel loci for quantitative ECG traits. *European Journal of Human Genetics*, **2019**, 27, 952-962	5.3	18
63	Mendelian randomisation analyses find pulmonary factors mediate the effect of height on coronary artery disease. *Communications Biology*, **2019**, 2, 119	6.7	18
62	Discovery of novel heart rate-associated loci using the Exome Chip. *Human Molecular Genetics*, **2017** , 26, 2346-2363	5.6	17
61	Impact of atorvastatin among older and younger patients in the Anglo-Scandinavian Cardiac Outcomes Trial Lipid-Lowering Arm. *Journal of Hypertension*, **2011**, 29, 592-9	1.9	17
60	Haplotypes of the beta2-adrenergic receptor gene are associated with essential hypertension in a Singaporean Chinese population. *Journal of Hypertension*, **2004**, 22, 2111-6	1.9	17
59	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. *Nature Communications*, **2020**, 11, 2542	17.4	16
58	Absence of linkage of the epithelial sodium channel to hypertension in black Caribbeans. *American Journal of Hypertension*, **1998**, 11, 942-5	2.3	16

57	Biallelic Mutation of ARHGEF18, Involved in the Determination of Epithelial Apicobasal Polarity, Causes Adult-Onset Retinal Degeneration. *American Journal of Human Genetics*, **2017**, 100, 334-342	11	14
56	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. *Human Molecular Genetics*, **2019**, 28, 2615-2633	5.6	14
55	Genome-wide analysis of blood pressure variability and ischemic stroke. *Stroke*, **2013**, 44, 2703-2709	6.7	14
54	Analysis with the exome array identifies multiple new independent variants in lipid loci. *Human Molecular Genetics*, **2016**, 25, 4094-4106	5.6	14
53	Over 1000 genetic loci influencing blood pressure with multiple systems and tissues implicated. *Human Molecular Genetics*, **2019**, 28, R151-R161	5.6	13
52	Genetic association analysis of inositol polyphosphate phosphatase-like 1 (INPPL1, SHIP2) variants with essential hypertension. *Journal of Medical Genetics*, **2007**, 44, 603-5	5.8	13
51	Hypertension genomics and cardiovascular prevention. *Annals of Translational Medicine*, **2018**, 6, 291	3.2	13
50	Prevention And Treatment of Hypertension With Algorithm-based therapy (PATHWAY) number 2: protocol for a randomised crossover trial to determine optimal treatment for drug-resistant hypertension. *BMJ Open*, **2015**, 5, e008951	3	12
49	Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. *Journal of the American College of Cardiology*, **2019**, 73, 3118-3131	15.1	12
48	The biological impact of blood pressure-associated genetic variants in the natriuretic peptide receptor C gene on human vascular smooth muscle. *Human Molecular Genetics*, **2018**, 27, 199-210	5.6	11
47	Common Polymorphisms at the CYP17A1 Locus Associate With Steroid Phenotype: Support for Blood Pressure Genome-Wide Association Study Signals at This Locus. *Hypertension*, **2016**, 67, 724-732	8.5	11
46	The genetic architecture of blood pressure variation. *Current Cardiovascular Risk Reports*, **2009**, 3, 418-425	2.9	11
45	Monotherapy versus dual therapy for the initial treatment of hypertension (PATHWAY-1): a randomised double-blind controlled trial. *BMJ Open*, **2015**, 5, e007645	3	8
44	Genomic medicine: time for health-care transformation. *Lancet, The*, **2019**, 394, 454-456	40	8
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