Hugh Christian Watkins

List of Publications by Year in Descending Order

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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.

162 papers	34,670 citations	62 h-index	179 g-index
179 ext. papers	43,240 ext. citations	13.3 avg, IF	5.87 L-index

#	Paper	IF	Citations
162	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
161	Association Between Sarcomeric Variants in Hypertrophic Cardiomyopathy and Myocardial Oxygenation: Insights From a Novel Oxygen-Sensitive Cardiovascular Magnetic Resonance Approach. *Circulation*, **2021**, 144, 1656-1658	16.7	0
160	Incremental value of left atrial booster and reservoir strain in predicting atrial fibrillation in patients with hypertrophic cardiomyopathy: a cardiovascular magnetic resonance study. *Journal of Cardiovascular Magnetic Resonance*, **2021**, 23, 109	6.9	1
159	Robust estimates of heritable coronary disease risk in individuals with type 2 diabetes. *Genetic Epidemiology*, **2021**,	2.6	1
158	Data-driven modelling of mutational hotspots and in silico predictors in hypertrophic cardiomyopathy. *Journal of Medical Genetics*, **2021**, 58, 556-564	5.8	0
157	Bi-allelic MCM10 variants associated with immune dysfunction and cardiomyopathy cause telomere shortening. *Nature Communications*, **2021**, 12, 1626	17.4	3
156	A titan of Cardiovascular Research: Professor Peter Sleight (1929-2020). *Cardiovascular Research*, **2021**, 117, e64-e66	9.9	
155	FGL1 as a modulator of plasma D-dimer levels: Exome-wide marker analysis of plasma tPA, PAI-1, and D-dimer. *Journal of Thrombosis and Haemostasis*, **2021**, 19, 2019-2028	15.4	1
154	The trans-ancestral genomic architecture of glycemic traits. *Nature Genetics*, **2021**, 53, 840-860	36.3	44
153	Time to Think Differently About Sarcomere-Negative Hypertrophic Cardiomyopathy. *Circulation*, **2021**, 143, 2415-2417	16.7	3
152	Rationale and design of the African Cardiomyopathy and Myocarditis Registry Program: The IMHOTEP study. *International Journal of Cardiology*, **2021**, 333, 119-126	3.2	0
151	Maximal Wall Thickness Measurement in Hypertrophic Cardiomyopathy: Biomarker Variability and its Impact on Clinical Care. *JACC: Cardiovascular Imaging*, **2021**, 14, 2123-2134	8.4	2
150	CalTrack: High-Throughput Automated Calcium Transient Analysis in Cardiomyocytes. *Circulation Research*, **2021**, 129, 326-341	15.7	8
149	Heritability and family-based GWAS analyses of the N-acyl ethanolamine and ceramide plasma lipidome. *Human Molecular Genetics*, **2021**, 30, 500-513	5.6	4
148	Common genetic variants and modifiable risk factors underpin hypertrophic cardiomyopathy susceptibility and expressivity. *Nature Genetics*, **2021**, 53, 135-142	36.3	33
147	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. *Nature Communications*, **2021**, 12, 24	17.4	30
146	Functional analysis of a gene-edited mouse model to gain insights into the disease mechanisms of a titin missense variant. *Basic Research in Cardiology*, **2021**, 116, 14	11.8	6

145	Toward Replacing Late Gadolinium Enhancement With Artificial Intelligence Virtual Native Enhancement for Gadolinium-Free Cardiovascular Magnetic Resonance Tissue Characterization in Hypertrophic Cardiomyopathy. *Circulation*, **2021**, 144, 589-599	16.7	10
144	Shared genetic pathways contribute to risk of hypertrophic and dilated cardiomyopathies with opposite directions of effect. *Nature Genetics*, **2021**, 53, 128-134	36.3	35
143	Provocation Testing and Therapeutic Response in a Newly Described Channelopathy: RyR2 Calcium Release Deficiency Syndrome.. *Circulation Genomic and Precision Medicine*, **2021**, CIRCGEN121003589	5.2	1
142	Why does Russia have such high cardiovascular mortality rates? Comparisons of blood-based biomarkers with Norway implicate non-ischaemic cardiac damage. *Journal of Epidemiology and Community Health*, **2020**, 74, 698-704	5.1	5
141	Whole-genome sequencing of patients with rare diseases in a national health system. *Nature*, **2020**, 583, 96-102	50.4	139
140	Reevaluation of the South Asian Intronic Deletion in Hypertrophic Cardiomyopathy. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002783	5.2	14
139	Dilated cardiomyopathy mutations in thin-filament regulatory proteins reduce contractility, suppress systolic Ca, and activate NFAT and Akt signaling. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 319, H306-H319	5.2	2
138	Mavacamten rescues increased myofilament calcium sensitivity and dysregulation of Ca flux caused by thin filament hypertrophic cardiomyopathy mutations. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H715-H722	5.2	16
137	Reevaluating the Genetic Contribution of Monogenic Dilated Cardiomyopathy. *Circulation*, **2020**, 141, 387-398	16.7	71
136	Myosin Sequestration Regulates Sarcomere Function, Cardiomyocyte Energetics, and Metabolism, Informing the Pathogenesis of Hypertrophic Cardiomyopathy. *Circulation*, **2020**, 141, 828-842	16.7	66
135	A missense variant in Mitochondrial Amidoxime Reducing Component 1 gene and protection against liver disease. *PLoS Genetics*, **2020**, 16, e1008629	6	49
134	Obesity-related ventricular remodelling is exacerbated in dilated and hypertrophic cardiomyopathy. *Cardiovascular Diagnosis and Therapy*, **2020**, 10, 559-567	2.6	1
133	Heterozygous Gene Deficiency and Risk of Coronary Artery Disease. *Circulation Genomic and Precision Medicine*, **2020**, 13, 417-423	5.2	21
132	Secondary findings in inherited heart conditions: a genotype-first feasibility study to assess phenotype, behavioural and psychosocial outcomes. *European Journal of Human Genetics*, **2020**, 28, 1486-1496	5.3	5
131	Heritability of haemodynamics in the ascending aorta. *Scientific Reports*, **2020**, 10, 14356	4.9	2
130	Genetic Predisposition to Coronary Artery Disease in Type 2 Diabetes Mellitus. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002769	5.2	1
129	A key role for the novel coronary artery disease gene JCAD in atherosclerosis via shear stress mechanotransduction. *Cardiovascular Research*, **2020**, 116, 1863-1874	9.9	7
128	Marked variation in heritability estimates of left ventricular mass depending on modality of measurement. *Scientific Reports*, **2019**, 9, 13556	4.9	1

127	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. *American Journal of Epidemiology*, **2019**, 188, 1033-1054	3.8	39
126	Quantitative approaches to variant classification increase the yield and precision of genetic testing in Mendelian diseases: the case of hypertrophic cardiomyopathy. *Genome Medicine*, **2019**, 11, 5	14.4	54
125	Hypertrophic cardiomyopathy mutations in dysregulate myosin. *Science Translational Medicine*, **2019**, 11,	17.5	73
124	Genetically modulated educational attainment and coronary disease risk. *European Heart Journal*, **2019**, 40, 2413-2420	9.5	20
123	Genetic Risk Score for Coronary Disease Identifies Predispositions to Cardiovascular and Noncardiovascular Diseases. *Journal of the American College of Cardiology*, **2019**, 73, 2932-2942	15.1	26
122	Rare Protein-Truncating Variants in APOB, Lower Low-Density Lipoprotein Cholesterol, and Protection Against Coronary Heart Disease. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002376	5.2	30
121	HspB1 phosphorylation regulates its intramolecular dynamics and mechanosensitive molecular chaperone interaction with filamin C. *Science Advances*, **2019**, 5, eaav8421	14.3	31
120	Germline selection shapes human mitochondrial DNA diversity. *Science*, **2019**, 364,	33.3	105
119	Identification of Myocardial Disarray in Patients With Hypertrophic Cardiomyopathy and Ventricular Arrhythmias. *Journal of the American College of Cardiology*, **2019**, 73, 2493-2502	15.1	47
118	Genetic variation in CADM2 as a link between psychological traits and obesity. *Scientific Reports*, **2019**, 9, 7339	4.9	18
117	Measuring inorganic phosphate and intracellular pH in the healthy and hypertrophic cardiomyopathy hearts by in vivo 7T P-cardiovascular magnetic resonance spectroscopy. *Journal of Cardiovascular Magnetic Resonance*, **2019**, 21, 19	6.9	17
116	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
115	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. *Nature Genetics*, **2019**, 51, 636-648	36.3	59
114	Measurement of Myofilament-Localized Calcium Dynamics in Adult Cardiomyocytes and the Effect of Hypertrophic Cardiomyopathy Mutations. *Circulation Research*, **2019**, 124, 1228-1239	15.7	23
113	Implementation of a genomic medicine multi-disciplinary team approach for rare disease in the clinical setting: a prospective exome sequencing case series. *Genome Medicine*, **2019**, 11, 46	14.4	13
112	Reply: CMR Assessment of Myocyte Disarray in HCM: Matching Another Piece in the Puzzle. *Journal of the American College of Cardiology*, **2019**, 74, 1848	15.1	
111	Distinct Subgroups in Hypertrophic Cardiomyopathy in the NHLBI HCM Registry. *Journal of the American College of Cardiology*, **2019**, 74, 2333-2345	15.1	60
110	Manhattan++: displaying genome-wide association summary statistics with multiple annotation layers. *BMC Bioinformatics*, **2019**, 20, 610	3.6	3

109	DNA Sequence Variation in Encoding the Activin Receptor-Like Kinase 7 Influences Body Fat Distribution and Protects Against Type 2 Diabetes. *Diabetes*, **2019**, 68, 226-234	0.9	12
108	Progression of myocardial fibrosis in hypertrophic cardiomyopathy: mechanisms and clinical implications. *European Heart Journal Cardiovascular Imaging*, **2019**, 20, 157-167	4.1	46
107	Analysis of 51 proposed hypertrophic cardiomyopathy genes from genome sequencing data in sarcomere negative cases has negligible diagnostic yield. *Genetics in Medicine*, **2019**, 21, 1576-1584	8.1	25
106	Network analysis of coronary artery disease risk genes elucidates disease mechanisms and druggable targets. *Scientific Reports*, **2018**, 8, 3434	4.9	31
105	Analysis of predicted loss-of-function variants in UK Biobank identifies variants protective for disease. *Nature Communications*, **2018**, 9, 1613	17.4	55
104	Views of rare disease participants in a UK whole-genome sequencing study towards secondary findings: a qualitative study. *European Journal of Human Genetics*, **2018**, 26, 652-659	5.3	16
103	Adaptation and validation of the ACMG/AMP variant classification framework for MYH7-associated inherited cardiomyopathies: recommendations by ClinGen's Inherited Cardiomyopathy Expert Panel. *Genetics in Medicine*, **2018**, 20, 351-359	8.1	173
102	"Not pathogenic until proven otherwise": perspectives of UK clinical genomics professionals toward secondary findings in context of a Genomic Medicine Multidisciplinary Team and the 100,000 Genomes Project. *Genetics in Medicine*, **2018**, 20, 320-328	8.1	38
101	Phenotypic Consequences of a Genetic Predisposition to Enhanced Nitric Oxide Signaling. *Circulation*, **2018**, 137, 222-232	16.7	53
100	Distinct ECG Phenotypes Identified in Hypertrophic Cardiomyopathy Using Machine Learning Associate With Arrhythmic Risk Markers. *Frontiers in Physiology*, **2018**, 9, 213	4.6	36
99	Mutant Muscle LIM Protein C58G causes cardiomyopathy through protein depletion. *Journal of Molecular and Cellular Cardiology*, **2018**, 121, 287-296	5.8	6
98	Lack of genetic support for shared aetiology of Coronary Artery Disease and Late-onset Alzheimer's disease. *Scientific Reports*, **2018**, 8, 7102	4.9	5
97	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
96	Discrepancy Between Pathological Progression and Clinical Stability in a Young Patient With Hypertrophic Cardiomyopathy. *Circulation: Cardiovascular Imaging*, **2018**, 11, e008154	3.9	0
95	Electrocardiogram phenotypes in hypertrophic cardiomyopathy caused by distinct mechanisms: apico-basal repolarization gradients vs. Purkinje-myocardial coupling abnormalities. *Europace*, **2018** , 20, iii102-iii112	3.9	14
94	Neonatal Micro-RNA Profile Determines Endothelial Function in Offspring of Hypertensive Pregnancies. *Hypertension*, **2018**, 72, 937-945	8.5	16
93	Genomic Risk Prediction of Coronary Artery Disease in 480,000 Adults: Implications for Primary Prevention. *Journal of the American College of Cardiology*, **2018**, 72, 1883-1893	15.1	285
92	Differential Gene Expression in Macrophages From Human Atherosclerotic Plaques Shows Convergence on Pathways Implicated by Genome-Wide Association Study Risk Variants. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2718-2730	9.4	14

91	From Genotype to Phenotype. *Circulation Genomic and Precision Medicine*, **2018**, 11, e002316	5.2	5
90	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
89	Plasma cytokines and risk of coronary heart disease in the PROCARDIS study. *Open Heart*, **2018**, 5, e000807	3.7	15
88	Hypertrophic cardiomyopathy mutations increase myofilament Ca buffering, alter intracellular Ca handling, and stimulate Ca-dependent signaling. *Journal of Biological Chemistry*, **2018**, 293, 10487-10499	5.4	35
87	Defining the genetic architecture of hypertrophic cardiomyopathy: re-evaluating the role of non-sarcomeric genes. *European Heart Journal*, **2017**, 38, 3461-3468	9.5	101
86	Association of Rare and Common Variation in the Lipoprotein Lipase Gene With Coronary Artery Disease. *JAMA - Journal of the American Medical Association*, **2017**, 317, 937-946	27.4	109
85	Systematic Evaluation of Pleiotropy Identifies 6 Further Loci Associated With Coronary Artery Disease. *Journal of the American College of Cardiology*, **2017**, 69, 823-836	15.1	146
84	Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms. *Nature Genetics*, **2017**, 49, 1113-1119	36.3	184
83	011 Adenosine stress T1 mapping: a novel contrast free method to assess myocardial perfusion and ischaemia in hypertrophic cardiomyopathy. *Heart*, **2017**, 103, A8.2-A9	5.1	
82	Insights from early experience of a Rare Disease Genomic Medicine Multidisciplinary Team: a qualitative study. *European Journal of Human Genetics*, **2017**, 25, 680-686	5.3	17
81	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. *PLoS Medicine*, **2017**, 14, e1002383	11.6	223
80	Association analyses based on false discovery rate implicate new loci for coronary artery disease. *Nature Genetics*, **2017**, 49, 1385-1391	36.3	361
79	Mammalian γ AMPK regulates intrinsic heart rate. *Nature Communications*, **2017**, 8, 1258	17.4	24
78	Reassessment of Mendelian gene pathogenicity using 7,855 cardiomyopathy cases and 60,706 reference samples. *Genetics in Medicine*, **2017**, 19, 192-203	8.1	386
77	Stakeholder views on secondary findings in whole-genome and whole-exome sequencing: a systematic review of quantitative and qualitative studies. *Genetics in Medicine*, **2017**, 19, 283-293	8.1	80
76	Comparison of HapMap and 1000 Genomes Reference Panels in a Large-Scale Genome-Wide Association Study. *PLoS ONE*, **2017**, 12, e0167742	3.7	21
75	Identification of a novel proinsulin-associated SNP and demonstration that proinsulin is unlikely to be a causal factor in subclinical vascular remodelling using Mendelian randomisation. *Atherosclerosis*, **2017**, 266, 196-204	3.1	2
74	Analysis of protein-coding genetic variation in 60,706 humans. *Nature*, **2016**, 536, 285-91	50.4	6940

73	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. *Nature Communications*, **2016**, 7, 13357	17.4	46
72	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
71	No Association of Coronary Artery Disease with X-Chromosomal Variants in Comprehensive International Meta-Analysis. *Scientific Reports*, **2016**, 6, 35278	4.9	18
70	Mutation of Fnip1 is associated with B-cell deficiency, cardiomyopathy, and elevated AMPK activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3706-15	11.5	28
69	Adult height, coronary heart disease and stroke: a multi-locus Mendelian randomization meta-analysis. *International Journal of Epidemiology*, **2016**, 45, 1927-1937	7.8	65
68	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. *Human Molecular Genetics*, **2016**, 25, 358-70	5.6	54
67	Exome sequencing identifies rare variants in multiple genes in atrioventricular septal defect. *Genetics in Medicine*, **2016**, 18, 189-98	8.1	25
66	Phenotypic Characterization of Genetically Lowered Human Lipoprotein(a) Levels. *Journal of the American College of Cardiology*, **2016**, 68, 2761-2772	15.1	127
65	Improvements in ECG accuracy for diagnosis of left ventricular hypertrophy in obesity. *Heart*, **2016**, 102, 1566-72	5.1	21
64	Diagnostic Yield and Clinical Utility of Sequencing Familial Hypercholesterolemia Genes in Patients With Severe Hypercholesterolemia. *Journal of the American College of Cardiology*, **2016**, 67, 2578-89	15.1	458
63	Chronic Activation of AMPK Induces Obesity and Reduces Cell Function. *Cell Metabolism*, **2016**, 23, 821-36	24.6	66
62	Response to Letter Regarding Article, "The Effect of Selective Heart Rate Slowing in Heart Failure With Preserved Ejection Fraction". *Circulation*, **2016**, 133, e604	16.7	1
61	Discovery and refinement of genetic loci associated with cardiometabolic risk using dense imputation maps. *Nature Genetics*, **2016**, 48, 1303-1312	36.3	51
60	Distinct genetic architectures for syndromic and nonsyndromic congenital heart defects identified by exome sequencing. *Nature Genetics*, **2016**, 48, 1060-5	36.3	200
59	Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment Trialists Collaboration. *American Heart Journal*, **2015**, 169, 605-12	4.9	35
58	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. *Nature Genetics*, **2015**, 47, 717-726	36.3	244
57	Tackling the achilles heel of genetic testing. *Science Translational Medicine*, **2015**, 7, 270fs1	17.5	4
56	Mendelian randomization of blood lipids for coronary heart disease. *European Heart Journal*, **2015**, 36, 539-50	9.5	417

55	Effect of Selective Heart Rate Slowing in Heart Failure With Preserved Ejection Fraction. *Circulation* , **2015**, 132, 1719-25	16.7	94
54	A comprehensive 1,000 Genomes-based genome-wide association meta-analysis of coronary artery disease. *Nature Genetics*, **2015**, 47, 1121-1130	36.3	1290
53	Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction. *Nature*, **2015**, 518, 102-6	50.4	463
52	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
51	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS Genetics*, **2015**, 11, e1005378	6	220
50	Association of exome sequences with plasma C-reactive protein levels in >9000 participants. *Human Molecular Genetics*, **2015**, 24, 559-71	5.6	31
49	Hypertrophic Cardiomyopathy Registry: The rationale and design of an international, observational study of hypertrophic cardiomyopathy. *American Heart Journal*, **2015**, 170, 223-30	4.9	82
48	New genetic loci link adipose and insulin biology to body fat distribution. *Nature*, **2015**, 518, 187-196	50.4	920
47	Genetic studies of body mass index yield new insights for obesity biology. *Nature*, **2015**, 518, 197-206	50.4	2687
46	iASPP, a previously unidentified regulator of desmosomes, prevents arrhythmogenic right ventricular cardiomyopathy (ARVC)-induced sudden death. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E973-81	11.5	24
45	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. *Nature Communications*, **2015**, 6, 5897	17.4	147
44	Modulation of genetic associations with serum urate levels by body-mass-index in humans. *PLoS ONE*, **2015**, 10, e0119752	3.7	31
43	Analysis of the role of interleukin 6 receptor haplotypes in the regulation of circulating levels of inflammatory biomarkers and risk of coronary heart disease. *PLoS ONE*, **2015**, 10, e0119980	3.7	17
42	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
41	A common LPA null allele associates with lower lipoprotein(a) levels and coronary artery disease risk. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 2095-9	9.4	33
40	2014 ESC Guidelines on diagnosis and management of hypertrophic cardiomyopathy: the Task Force for the Diagnosis and Management of Hypertrophic Cardiomyopathy of the European Society of Cardiology (ESC). *European Heart Journal*, **2014**, 35, 2733-79	9.5	2361
39	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
38	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

37	Association between alcohol and cardiovascular disease: Mendelian randomisation analysis based on individual participant data. *BMJ, The*, **2014**, 349, g4164	5.9	406
36	Meta-analysis of gene-level tests for rare variant association. *Nature Genetics*, **2014**, 46, 200-4	36.3	142
35	Rare variants in NR2F2 cause congenital heart defects in humans. *American Journal of Human Genetics*, **2014**, 94, 574-85	11	115
34	Pre-symptomatic genetic testing for inherited cardiac conditions: a qualitative exploration of psychosocial and ethical implications. *European Journal of Human Genetics*, **2014**, 22, 88-93	5.3	47
33	No evidence for genome-wide interactions on plasma fibrinogen by smoking, alcohol consumption and body mass index: results from meta-analyses of 80,607 subjects. *PLoS ONE*, **2014**, 9, e111156	3.7	5
32	Human genetic evidence for involvement of CD137 in atherosclerosis. *Molecular Medicine*, **2014**, 20, 456-65	6.2	8
31	Distribution and medical impact of loss-of-function variants in the Finnish founder population. *PLoS Genetics*, **2014**, 10, e1004494	6	243
30	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
29	Common genetic determinants of lung function, subclinical atherosclerosis and risk of coronary artery disease. *PLoS ONE*, **2014**, 9, e104082	3.7	30
28	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
27	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
26	HRS/EHRA expert consensus statement on the state of genetic testing for the channelopathies and cardiomyopathies this document was developed as a partnership between the Heart Rhythm Society (HRS) and the European Heart Rhythm Association (EHRA). *Heart Rhythm*, **2011**, 8, 1308-39	6.7	737
25	Inherited cardiomyopathies. *New England Journal of Medicine*, **2011**, 364, 1643-56	59.2	367
24	Hundreds of variants clustered in genomic loci and biological pathways affect human height. *Nature*, **2010**, 467, 832-8	50.4	1514
23	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. *Nature Genetics*, **2010**, 42, 937-48	36.3	2267
22	Familial dilated cardiomyopathy caused by an alpha-tropomyosin mutation: the distinctive natural history of sarcomeric dilated cardiomyopathy. *Journal of the American College of Cardiology*, **2010**, 55, 320-9	15.1	92
21	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
20	Evidence from human myectomy samples that MYBPC3 mutations cause hypertrophic cardiomyopathy through haploinsufficiency. *Circulation Research*, **2009**, 105, 219-22	15.7	179

19	Identification and functional characterization of cardiac troponin I as a novel disease gene in autosomal dominant dilated cardiomyopathy. *Circulation Research*, **2009**, 105, 375-82	15.7	75
18	Susceptibility to coronary artery disease and diabetes is encoded by distinct, tightly linked SNPs in the ANRIL locus on chromosome 9p. *Human Molecular Genetics*, **2008**, 17, 806-14	5.6	420
17	The effect of mutations in alpha-tropomyosin (E40K and E54K) that cause familial dilated cardiomyopathy on the regulatory mechanism of cardiac muscle thin filaments. *Journal of Biological Chemistry*, **2007**, 282, 13487-97	5.4	62
16	Dilated and hypertrophic cardiomyopathy mutations in troponin and alpha-tropomyosin have opposing effects on the calcium affinity of cardiac thin filaments. *Circulation Research*, **2007**, 101, 1266-73	15.7	164
15	Genetic susceptibility to coronary artery disease: from promise to progress. *Nature Reviews Genetics*, **2006**, 7, 163-73	30.1	150
14	Dilated cardiomyopathy mutations in three thin filament regulatory proteins result in a common functional phenotype. *Journal of Biological Chemistry*, **2005**, 280, 28498-506	5.4	123
13	Severe disease expression of cardiac troponin C and T mutations in patients with idiopathic dilated cardiomyopathy. *Journal of the American College of Cardiology*, **2004**, 44, 2033-40	15.1	192
12	Hypertrophic cardiomyopathy due to sarcomeric gene mutations is characterized by impaired energy metabolism irrespective of the degree of hypertrophy. *Journal of the American College of Cardiology*, **2003**, 41, 1776-82	15.1	295
11	Alterations in thin filament regulation induced by a human cardiac troponin T mutant that causes dilated cardiomyopathy are distinct from those induced by troponin T mutants that cause hypertrophic cardiomyopathy. *Journal of Biological Chemistry*, **2002**, 277, 40710-6	5.4	106
10	Two mutations in troponin I that cause hypertrophic cardiomyopathy have contrasting effects on cardiac muscle contractility. *Biochemical Journal*, **2002**, 362, 443-51	3.8	22
9	Two mutations in troponin I that cause hypertrophic cardiomyopathy have contrasting effects on cardiac muscle contractility. *Biochemical Journal*, **2002**, 362, 443-451	3.8	30
8	Dilated cardiomyopathy and the desmin gene. *Circulation*, **2000**, 102, E100-1	16.7	8
7	Altered regulatory properties of human cardiac troponin I mutants that cause hypertrophic cardiomyopathy. *Journal of Biological Chemistry*, **2000**, 275, 22069-74	5.4	116
6	Functional polymorphism in the regulatory region of gelatinase B gene in relation to severity of coronary atherosclerosis. *Circulation*, **1999**, 99, 1788-94	16.7	499
5	Human stromelysin gene promoter activity is modulated by transcription factor ZBP-89. *FEBS Letters*, **1999**, 450, 268-72	3.8	42
4	Mutations in the cardiac myosin binding protein-C gene on chromosome 11 cause familial hypertrophic cardiomyopathy. *Nature Genetics*, **1995**, 11, 434-7	36.3	482
3	A de novo mutation in alpha-tropomyosin that causes hypertrophic cardiomyopathy. *Circulation*, **1995**, 91, 2302-5	16.7	44
2	Reassessment of Mendelian gene pathogenicity using 7,855 cardiomyopathy cases and 60,706 reference samples		5

1 MYBPC3 Mutations cause Hypertrophic Cardiomyopathy by Dysregulating Myosin: Implications for Therapy 1