

# Pim van der Harst

## 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.

449 papers	34,410 citations	89 h-index	178 g-index
489 ext. papers	44,775 ext. citations	10.3 avg, IF	6.43 L-index

#	Paper	IF	Citations
449	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , <b>2015</b> , 518, 197-206	50.4	2687
448	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. <i>Nature</i> , <b>2011</b> , 478, 103-9	50.4	1564
447	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , <b>2014</b> , 46, 1173-86	36.3	1339
446	Genome-wide association study identifies eight loci associated with blood pressure. <i>Nature Genetics</i> , <b>2009</b> , 41, 666-76	36.3	970
445	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , <b>2015</b> , 518, 187-196	50.4	920
444	Genome-wide association study identifies 74 loci associated with educational attainment. <i>Nature</i> , <b>2016</b> , 533, 539-42	50.4	850
443	The interleukin-6 receptor as a target for prevention of coronary heart disease: a mendelian randomisation analysis. <i>Lancet, The</i> , <b>2012</b> , 379, 1214-24	40	658
442	Identification of seven loci affecting mean telomere length and their association with disease. <i>Nature Genetics</i> , <b>2013</b> , 45, 422-7, 427e1-2	36.3	624
441	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , <b>2012</b> , 44, 991-1005	36.3	621
440	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. <i>Nature Genetics</i> , <b>2018</b> , 50, 524-537	36.3	536
439	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , <b>2017</b> , 541, 81-86	50.4	511
438	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. <i>Nature Genetics</i> , <b>2013</b> , 45, 145-54	36.3	505
437	Identification of 64 Novel Genetic Loci Provides an Expanded View on the Genetic Architecture of Coronary Artery Disease. <i>Circulation Research</i> , <b>2018</b> , 122, 433-443	15.7	441
436	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , <b>2013</b> , 45, 501-12	36.3	437
435	Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. <i>Nature Genetics</i> , <b>2011</b> , 43, 1131-8	36.3	415
434	HMG-coenzyme A reductase inhibition, type 2 diabetes, and bodyweight: evidence from genetic analysis and randomised trials. <i>Lancet, The</i> , <b>2015</b> , 385, 351-61	40	409
433	Association between alcohol and cardiovascular disease: Mendelian randomisation analysis based on individual participant data. <i>BMJ, The</i> , <b>2014</b> , 349, g4164	5.9	406

432	Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. <i>Nature Genetics</i> , <b>2018</b> , 50, 1412-1425	36.3	386
431	Genome-wide haplotype association study identifies the SLC22A3-LPAL2-LPA gene cluster as a risk locus for coronary artery disease. <i>Nature Genetics</i> , <b>2009</b> , 41, 283-5	36.3	374
430	Association of Cardiometabolic Multimorbidity With Mortality. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 314, 52-60	27.4	365
429	Ticagrelor plus aspirin for 1 month, followed by ticagrelor monotherapy for 23 months vs aspirin plus clopidogrel or ticagrelor for 12 months, followed by aspirin monotherapy for 12 months after implantation of a drug-eluting stent: a multicentre, open-label, randomised superiority trial. <i>Lancet, The</i> , <b>2018</b> , 392, 940-949	40	356
428	New gene functions in megakaryopoiesis and platelet formation. <i>Nature</i> , <b>2011</b> , 480, 201-8	50.4	330
427	Incidence and epidemiology of new onset heart failure with preserved vs. reduced ejection fraction in a community-based cohort: 11-year follow-up of PREVEND. <i>European Heart Journal</i> , <b>2013</b> , 34, 1424-31	19.5	318
426	Genome-wide association analysis identifies novel blood pressure loci and offers biological insights into cardiovascular risk. <i>Nature Genetics</i> , <b>2017</b> , 49, 403-415	36.3	313
425	Genetic and pharmacological inhibition of galectin-3 prevents cardiac remodeling by interfering with myocardial fibrogenesis. <i>Circulation: Heart Failure</i> , <b>2013</b> , 6, 107-17	7.6	309
424	FTO genotype is associated with phenotypic variability of body mass index. <i>Nature</i> , <b>2012</b> , 490, 267-72	50.4	304
423	Gender and telomere length: systematic review and meta-analysis. <i>Experimental Gerontology</i> , <b>2014</b> , 51, 15-27	4.5	285
422	Multi-ethnic genome-wide association study for atrial fibrillation. <i>Nature Genetics</i> , <b>2018</b> , 50, 1225-1233	36.3	277
421	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003500	6	277
420	Seventy-five genetic loci influencing the human red blood cell. <i>Nature</i> , <b>2012</b> , 492, 369-75	50.4	257
419	Genome-wide association study of blood pressure extremes identifies variant near UMOD associated with hypertension. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1001177	6	255
418	Common variants near TERC are associated with mean telomere length. <i>Nature Genetics</i> , <b>2010</b> , 42, 197-9	36.3	255
417	Association of vitamin D status with arterial blood pressure and hypertension risk: a mendelian randomisation study. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2014</b> , 2, 719-29	18.1	250
416	Common variants in 22 loci are associated with QRS duration and cardiac ventricular conduction. <i>Nature Genetics</i> , <b>2010</b> , 42, 1068-76	36.3	249
415	PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2017</b> , 5, 97-105	18.1	225

414	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. <i>Nature Genetics</i> , <b>2015</b> , 47, 1282-1293	36.3	223
413	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005378	6	220
412	A Genotype-Guided Strategy for Oral P2Y Inhibitors in Primary PCI. <i>New England Journal of Medicine</i> , <b>2019</b> , 381, 1621-1631	59.2	219
411	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , <b>2013</b> , 45, 621-31	36.3	219
410	Telomere length of circulating leukocytes is decreased in patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 1459-64	15.1	219
409	Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 7119-24	11.5	218
408	A catalog of genetic loci associated with kidney function from analyses of a million individuals. <i>Nature Genetics</i> , <b>2019</b> , 51, 957-972	36.3	217
407	Large-scale gene-centric meta-analysis across 39 studies identifies type 2 diabetes loci. <i>American Journal of Human Genetics</i> , <b>2012</b> , 90, 410-25	11	214
406	Genetic loci influencing kidney function and chronic kidney disease. <i>Nature Genetics</i> , <b>2010</b> , 42, 373-5	36.3	205
405	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , <b>2014</b> , 46, 826-36	36.3	199
404	Erythropoietin improves cardiac function through endothelial progenitor cell and vascular endothelial growth factor mediated neovascularization. <i>European Heart Journal</i> , <b>2007</b> , 28, 2018-27	9.5	193
403	Coronary Angiography after Cardiac Arrest without ST-Segment Elevation. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 1397-1407	59.2	192
402	Large-scale gene-centric meta-analysis across 32 studies identifies multiple lipid loci. <i>American Journal of Human Genetics</i> , <b>2012</b> , 91, 823-38	11	189
401	Glucagon-like peptide 1 prevents reactive oxygen species-induced endothelial cell senescence through the activation of protein kinase A. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 1407-14	9.4	186
400	Trans-ancestry meta-analyses identify rare and common variants associated with blood pressure and hypertension. <i>Nature Genetics</i> , <b>2016</b> , 48, 1151-1161	36.3	181
399	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. <i>Nature Communications</i> , <b>2016</b> , 7, 10495	17.4	180
398	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. <i>Nature Genetics</i> , <b>2017</b> , 49, 946-952	36.3	176
397	CUBN is a gene locus for albuminuria. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2011</b> , 22, 555-1707	17.0	170

396	Telomere biology in healthy aging and disease. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2010</b> , 459, 259-68	4.6	164
395	Incidence of Atrial Fibrillation and Relationship With Cardiovascular Events, Heart Failure, and Mortality: A Community-Based Study From the Netherlands. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 1000-7	15.1	153
394	Trans-ethnic association study of blood pressure determinants in over 750,000 individuals. <i>Nature Genetics</i> , <b>2019</b> , 51, 51-62	36.3	152
393	Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. <i>American Journal of Human Genetics</i> , <b>2018</b> , 103, 691-706	11	151
392	KLB is associated with alcohol drinking, and its gene product Eklotho is necessary for FGF21 regulation of alcohol preference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14372-14377	11.5	150
391	Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 2273-84	5.6	146
390	Variants near TERT and TERC influencing telomere length are associated with high-grade glioma risk. <i>Nature Genetics</i> , <b>2014</b> , 46, 731-5	36.3	141
389	Genome-wide association and Mendelian randomisation analysis provide insights into the pathogenesis of heart failure. <i>Nature Communications</i> , <b>2020</b> , 11, 163	17.4	140
388	Transcatheter Interatrial Shunt Device for the Treatment of Heart Failure With Preserved Ejection Fraction (REDUCE LAP-HF I [Reduce Elevated Left Atrial Pressure in Patients With Heart Failure]): A Phase 2, Randomized, Sham-Controlled Trial. <i>Circulation</i> , <b>2018</b> , 137, 364-375	16.7	140
387	Blood pressure loci identified with a gene-centric array. <i>American Journal of Human Genetics</i> , <b>2011</b> , 89, 688-700	11	137
386	Predicting Heart Failure With Preserved and Reduced Ejection Fraction: The International Collaboration on Heart Failure Subtypes. <i>Circulation: Heart Failure</i> , <b>2016</b> , 9,	7.6	133
385	Gene-centric meta-analysis in 87,736 individuals of European ancestry identifies multiple blood-pressure-related loci. <i>American Journal of Human Genetics</i> , <b>2014</b> , 94, 349-60	11	131
384	The Association of Obesity and Cardiometabolic Traits With Incident HFpEF and HFrEF. <i>JACC: Heart Failure</i> , <b>2018</b> , 6, 701-709	7.9	128
383	Signature of circulating microRNAs in patients with acute heart failure. <i>European Journal of Heart Failure</i> , <b>2016</b> , 18, 414-23	12.3	125
382	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. <i>Nature Genetics</i> , <b>2019</b> , 51, 1459-1474	36.3	122
381	Novel loci affecting iron homeostasis and their effects in individuals at risk for hemochromatosis. <i>Nature Communications</i> , <b>2014</b> , 5, 4926	17.4	121
380	Directional dominance on stature and cognition in diverse human populations. <i>Nature</i> , <b>2015</b> , 523, 459-462	20.4	119
379	Loci influencing blood pressure identified using a cardiovascular gene-centric array. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 1663-78	5.6	119

378	Leukocyte telomere length in healthy Caucasian and African-American adolescents: relationships with race, sex, adiposity, adipokines, and physical activity. <i>Journal of Pediatrics</i> , <b>2011</b> , 158, 215-20	3.6	118
377	Associations of Combined Genetic and Lifestyle Risks With Incident Cardiovascular Disease and Diabetes in the UK Biobank Study. <i>JAMA Cardiology</i> , <b>2018</b> , 3, 693-702	16.2	117
376	Effect of metformin on left ventricular function after acute myocardial infarction in patients without diabetes: the GIPS-III randomized clinical trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2014</b> , 311, 1526-35	27.4	116
375	Association of Cardiovascular Biomarkers With Incident Heart Failure With Preserved and Reduced Ejection Fraction. <i>JAMA Cardiology</i> , <b>2018</b> , 3, 215-224	16.2	115
374	Healthy aging and disease: role for telomere biology?. <i>Clinical Science</i> , <b>2011</b> , 120, 427-40	6.5	115
373	Anticoagulation with or without Clopidogrel after Transcatheter Aortic-Valve Implantation. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 1696-1707	59.2	111
372	Development and validation of multivariable models to predict mortality and hospitalization in patients with heart failure. <i>European Journal of Heart Failure</i> , <b>2017</b> , 19, 627-634	12.3	110
371	Reproducibility of telomere length assessment: an international collaborative study. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 1673-83	7.8	109
370	Identifying Pathophysiological Mechanisms in Heart Failure With Reduced Versus Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 1081-1090	15.1	108
369	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , <b>2017</b> , 8, 14977	17.4	105
368	Aspirin with or without Clopidogrel after Transcatheter Aortic-Valve Implantation. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 1447-1457	59.2	100
367	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 803-17	0.9	96
366	A systems BIOlogy Study to Tailored Treatment in Chronic Heart Failure: rationale, design, and baseline characteristics of BIOSTAT-CHF. <i>European Journal of Heart Failure</i> , <b>2016</b> , 18, 716-26	12.3	94
365	Differential associations between renal function and "modifiable" risk factors in patients with chronic heart failure. <i>Clinical Research in Cardiology</i> , <b>2009</b> , 98, 121-9	6.1	92
364	Identification of genomic loci associated with resting heart rate and shared genetic predictors with all-cause mortality. <i>Nature Genetics</i> , <b>2016</b> , 48, 1557-1563	36.3	91
363	Secretory phospholipase A(2)-IIA and cardiovascular disease: a mendelian randomization study. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 1966-1976	15.1	91
362	Genetic variants linked to education predict longevity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 13366-13371	11.5	90
361	Galectin-3, Renal Function, and Clinical Outcomes: Results from the LURIC and 4D Studies. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2015</b> , 26, 2213-21	12.7	89

360	Novel Blood Pressure Locus and Gene Discovery Using Genome-Wide Association Study and Expression Data Sets From Blood and the Kidney. <i>Hypertension</i> , <b>2017</b> ,	8.5	85
359	Association between chromosome 9p21 variants and the ankle-brachial index identified by a meta-analysis of 21 genome-wide association studies. <i>Circulation: Cardiovascular Genetics</i> , <b>2012</b> , 5, 100-12		84
358	Identifying optimal doses of heart failure medications in men compared with women: a prospective, observational, cohort study. <i>Lancet, The</i> , <b>2019</b> , 394, 1254-1263	40	83
357	Genome-wide association study of kidney function decline in individuals of European descent. <i>Kidney International</i> , <b>2015</b> , 87, 1017-29	9.9	83
356	The clinical significance of interleukin-6 in heart failure: results from the BIOSTAT-CHF study. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 965-973	12.3	81
355	One-Year Safety and Clinical Outcomes of a Transcatheter Interatrial Shunt Device for the Treatment of Heart Failure With Preserved Ejection Fraction in the Reduce Elevated Left Atrial Pressure in Patients With Heart Failure (REDUCE LAP-HF I) Trial: A Randomized Clinical Trial. <i>JAMA Cardiology</i> , <b>2019</b> , 3, 848-857	16.2	81
354	Gene-age interactions in blood pressure regulation: a large-scale investigation with the CHARGE, Global BPgen, and ICBP Consortia. <i>American Journal of Human Genetics</i> , <b>2014</b> , 95, 24-38	11	80
353	Replication of the five novel loci for uric acid concentrations and potential mediating mechanisms. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 387-95	5.6	79
352	SMIM1 underlies the Vel blood group and influences red blood cell traits. <i>Nature Genetics</i> , <b>2013</b> , 45, 542-545	5.5	77
351	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 1435-1448	15.1	76
350	Separating the mechanism-based and off-target actions of cholesteryl ester transfer protein inhibitors with CETP gene polymorphisms. <i>Circulation</i> , <b>2010</b> , 121, 52-62	16.7	76
349	Relationship of Arterial Stiffness Index and Pulse Pressure With Cardiovascular Disease and Mortality. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	73
348	Genome wide association identifies common variants at the SERPINA6/SERPINA1 locus influencing plasma cortisol and corticosteroid binding globulin. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004474	6	71
347	Bone marrow dysfunction in chronic heart failure patients. <i>European Journal of Heart Failure</i> , <b>2010</b> , 12, 676-84	12.3	69
346	Bradykinin protects against oxidative stress-induced endothelial cell senescence. <i>Hypertension</i> , <b>2009</b> , 53, 417-22	8.5	69
345	Body mass index is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. <i>American Journal of Clinical Nutrition</i> , <b>2018</b> , 108, 453-475	7	69
344	Bilirubin as a potential causal factor in type 2 diabetes risk: a Mendelian randomization study. <i>Diabetes</i> , <b>2015</b> , 64, 1459-69	0.9	68
343	The single-cell eQTLGen consortium. <i>ELife</i> , <b>2020</b> , 9,	8.9	68



342	Genome-wide association study for circulating levels of PAI-1 provides novel insights into its regulation. <i>Blood</i> , <b>2012</b> , 120, 4873-81	2.2	65
341	Cystatin C and Cardiovascular Disease: A Mendelian Randomization Study. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 934-45	15.1	65
340	Discovery and validation of sub-threshold genome-wide association study loci using epigenomic signatures. <i>ELife</i> , <b>2016</b> , 5,	8.9	64
339	Genetic Obesity and the Risk of Atrial Fibrillation: Causal Estimates from Mendelian Randomization. <i>Circulation</i> , <b>2017</b> , 135, 741-754	16.7	62
338	Low-dose erythropoietin improves cardiac function in experimental heart failure without increasing haematocrit. <i>European Journal of Heart Failure</i> , <b>2008</b> , 10, 22-9	12.3	61
337	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , <b>2019</b> , 51, 636-648	36.3	59
336	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. <i>American Journal of Human Genetics</i> , <b>2018</b> , 102, 375-400	11	59
335	Genetic architecture of ambulatory blood pressure in the general population: insights from cardiovascular gene-centric array. <i>Hypertension</i> , <b>2010</b> , 56, 1069-76	8.5	59
334	Telomere biology in cardiovascular disease: the TERC-/- mouse as a model for heart failure and ageing. <i>Cardiovascular Research</i> , <b>2009</b> , 81, 244-52	9.9	59
333	Sex differences in new-onset heart failure. <i>Clinical Research in Cardiology</i> , <b>2015</b> , 104, 342-50	6.1	57
332	Genetic Risk Prediction of Atrial Fibrillation. <i>Circulation</i> , <b>2017</b> , 135, 1311-1320	16.7	56
331	Pleiotropic effects of lipid genes on plasma glucose, HbA1c, and HOMA-IR levels. <i>Diabetes</i> , <b>2014</b> , 63, 3149-58	0.9	54
330	Rationale and design of POPular-TAVI: antiPlatelet therapy fOR Patients undergoing Transcatheter Aortic Valve Implantation. <i>American Heart Journal</i> , <b>2016</b> , 173, 77-85	4.9	52
329	Identification of 15 novel risk loci for coronary artery disease and genetic risk of recurrent events, atrial fibrillation and heart failure. <i>Scientific Reports</i> , <b>2017</b> , 7, 2761	4.9	52
328	Aging, telomeres and heart failure. <i>Heart Failure Reviews</i> , <b>2010</b> , 15, 479-86	5	52
327	Equalization of four cardiovascular risk algorithms after systematic recalibration: individual-participant meta-analysis of 86 prospective studies. <i>European Heart Journal</i> , <b>2019</b> , 40, 621-631	9.5	52
326	Clinical risk stratification optimizes value of biomarkers to predict new-onset heart failure in a community-based cohort. <i>Circulation: Heart Failure</i> , <b>2014</b> , 7, 723-31	7.6	51
325	Translational Perspective on Epigenetics in Cardiovascular Disease. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 590-606	15.1	51



324	Genetic loci associated with heart rate variability and their effects on cardiac disease risk. <i>Nature Communications</i> , <b>2017</b> , 8, 15805	17.4	50
323	Genetically Determined ABO Blood Group and its Associations With Health and Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 830-838	9.4	50
322	Annotation of loci from genome-wide association studies using tissue-specific quantitative interaction proteomics. <i>Nature Methods</i> , <b>2014</b> , 11, 868-74	21.6	50
321	Cardiac complications in patients hospitalised with COVID-19. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2020</b> , 9, 817-823	4.3	50
320	The LifeLines Cohort Study: Prevalence and treatment of cardiovascular disease and risk factors. <i>International Journal of Cardiology</i> , <b>2017</b> , 228, 495-500	3.2	48
319	Telomere length and psychological well-being in patients with chronic heart failure. <i>Age and Ageing</i> , <b>2010</b> , 39, 223-7	3	47
318	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. <i>Nature Communications</i> , <b>2016</b> , 7, 13357	17.4	46
317	Association between left ventricular mass and telomere length in a population study. <i>American Journal of Epidemiology</i> , <b>2010</b> , 172, 440-50	3.8	46
316	Predictors and outcomes of heart failure with mid-range ejection fraction. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 651-659	12.3	46
315	Meta-analysis of up to 622,409 individuals identifies 40 novel smoking behaviour associated genetic loci. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 2392-2409	15.1	45
314	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , <b>2021</b> , 53, 840-860	36.3	44
313	Missing heritability: is the gap closing? An analysis of 32 complex traits in the Lifelines Cohort Study. <i>European Journal of Human Genetics</i> , <b>2017</b> , 25, 877-885	5.3	43
312	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. <i>Nature Communications</i> , <b>2019</b> , 10, 4130	17.4	43
311	Telomere length and outcome in heart failure. <i>Annals of Medicine</i> , <b>2010</b> , 42, 36-44	1.5	43
310	Erythropoietin stimulates normal endothelial progenitor cell-mediated endothelial turnover, but attributes to neovascularization only in the presence of local ischemia. <i>Cardiovascular Drugs and Therapy</i> , <b>2008</b> , 22, 265-74	3.9	43
309	Blood urea nitrogen-to-creatinine ratio in the general population and in patients with acute heart failure. <i>Heart</i> , <b>2017</b> , 103, 407-413	5.1	42
308	Use of biomarkers to establish potential role and function of circulating microRNAs in acute heart failure. <i>International Journal of Cardiology</i> , <b>2016</b> , 224, 231-239	3.2	42
307	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , <b>2019</b> , 10, 376	17.4	41

306	Potassium and the use of renin-angiotensin-aldosterone system inhibitors in heart failure with reduced ejection fraction: data from BIOSTAT-CHF. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 923-930	12.3	41
305	Cardiac LXR $\beta$ protects against pathological cardiac hypertrophy and dysfunction by enhancing glucose uptake and utilization. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 1229-43	12	41
304	Chronic metformin treatment is associated with reduced myocardial infarct size in diabetic patients with ST-segment elevation myocardial infarction. <i>Cardiovascular Drugs and Therapy</i> , <b>2014</b> , 28, 163-71	3.9	41
303	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , <b>2019</b> , 10, 4957	17.4	40
302	Telomere biology in heart failure. <i>European Journal of Heart Failure</i> , <b>2008</b> , 10, 1049-56	12.3	40
301	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , <b>2019</b> , 188, 1033-1054	3.8	39
300	Translational overview of cytokine inhibition in acute myocardial infarction and chronic heart failure. <i>Trends in Cardiovascular Medicine</i> , <b>2018</b> , 28, 369-379	6.9	39
299	PR interval genome-wide association meta-analysis identifies 50 loci associated with atrial and atrioventricular electrical activity. <i>Nature Communications</i> , <b>2018</b> , 9, 2904	17.4	39
298	Statins in the treatment of chronic heart failure: a systematic review. <i>PLoS Medicine</i> , <b>2006</b> , 3, e333	11.6	39
297	Sex-specific associations of obesity and N-terminal pro-B-type natriuretic peptide levels in the general population. <i>European Journal of Heart Failure</i> , <b>2018</b> , 20, 1205-1214	12.3	38
296	Telomere length of circulating leukocyte subpopulations and buccal cells in patients with ischemic heart failure and their offspring. <i>PLoS ONE</i> , <b>2011</b> , 6, e23118	3.7	37
295	Possible association between telomere length and renal dysfunction in patients with chronic heart failure. <i>American Journal of Cardiology</i> , <b>2008</b> , 102, 207-10	3	37
294	Effect of intensive versus moderate lipid lowering on endothelial function and vascular responsiveness to angiotensin II in stable coronary artery disease. <i>American Journal of Cardiology</i> , <b>2005</b> , 96, 1361-4	3	37
293	Serial galectin-3 and future cardiovascular disease in the general population. <i>Heart</i> , <b>2016</b> , 102, 1134-41	5.1	37
292	Assessment of the Relationship Between Genetic Determinants of Thyroid Function and Atrial Fibrillation: A Mendelian Randomization Study. <i>JAMA Cardiology</i> , <b>2019</b> , 4, 144-152	16.2	36
291	Exome Chip Meta-analysis Fine Maps Causal Variants and Elucidates the Genetic Architecture of Rare Coding Variants in Smoking and Alcohol Use. <i>Biological Psychiatry</i> , <b>2019</b> , 85, 946-955	7.9	35
290	Genome-wide association studies identify genetic loci for low von Willebrand factor levels. <i>European Journal of Human Genetics</i> , <b>2016</b> , 24, 1035-40	5.3	34
289	Genetic determinants of P wave duration and PR segment. <i>Circulation: Cardiovascular Genetics</i> , <b>2014</b> , 7, 475-81		34

288	A genome-wide association study of circulating galectin-3. <i>PLoS ONE</i> , <b>2012</b> , 7, e47385	3.7	34
287	New Blood Pressure-Associated Loci Identified in Meta-Analyses of 475 000 Individuals. <i>Circulation: Cardiovascular Genetics</i> , <b>2017</b> , 10,		33
286	Comparing biomarker profiles of patients with heart failure: atrial fibrillation vs. sinus rhythm and reduced vs. preserved ejection fraction. <i>European Heart Journal</i> , <b>2018</b> , 39, 3867-3875	9.5	33
285	Genome-wide association study for circulating tissue plasminogen activator levels and functional follow-up implicates endothelial STXBP5 and STX2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1093-101	9.4	33
284	Activation of liver X receptor-alpha reduces activation of the renal and cardiac renin-angiotensin-aldosterone system. <i>Laboratory Investigation</i> , <b>2010</b> , 90, 630-6	5.9	33
283	The emerging role of telomere biology in cardiovascular disease. <i>Frontiers in Bioscience - Landmark</i> , <b>2010</b> , 15, 35-45	2.8	33
282	Peroxisredoxin 4, a novel circulating biomarker for oxidative stress and the risk of incident cardiovascular disease and all-cause mortality. <i>Journal of the American Heart Association</i> , <b>2012</b> , 1, e002956	6	33
281	Statins in the treatment of chronic heart failure: biological and clinical considerations. <i>Cardiovascular Research</i> , <b>2006</b> , 71, 443-54	9.9	33
280	Genome of The Netherlands population-specific imputations identify an ABCA6 variant associated with cholesterol levels. <i>Nature Communications</i> , <b>2015</b> , 6, 6065	17.4	32
279	Fibroblast growth factor 23 is related to profiles indicating volume overload, poor therapy optimization and prognosis in patients with new-onset and worsening heart failure. <i>International Journal of Cardiology</i> , <b>2018</b> , 253, 84-90	3.2	32
278	New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. <i>Nature Human Behaviour</i> , <b>2019</b> , 3, 950-961	12.8	32
277	Metformin in non-diabetic patients presenting with ST elevation myocardial infarction: rationale and design of the glycometabolic intervention as adjunct to primary percutaneous intervention in ST elevation myocardial infarction (GIPS)-III trial. <i>Cardiovascular Drugs and Therapy</i> , <b>2012</b> , 26, 417-26	3.9	32
276	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198166	3.7	31
275	Maps of open chromatin highlight cell type-restricted patterns of regulatory sequence variation at hematological trait loci. <i>Genome Research</i> , <b>2013</b> , 23, 1130-41	9.7	31
274	Activation of liver X receptors with T0901317 attenuates cardiac hypertrophy in vivo. <i>European Journal of Heart Failure</i> , <b>2010</b> , 12, 1042-50	12.3	31
273	Circulating leukocyte and carotid atherosclerotic plaque telomere length: interrelation, association with plaque characteristics, and restenosis after endarterectomy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1219-25	9.4	31
272	Plasma interleukin 6 levels are associated with cardiac function after ST-elevation myocardial infarction. <i>Clinical Research in Cardiology</i> , <b>2019</b> , 108, 612-621	6.1	31
271	Telomere length and outcome in heart failure. <i>Annals of Medicine</i> , <b>2010</b> , 42, 36-44	1.5	30

270	Clinical impact of vasomotor function assessment and the role of ACE-inhibitors and statins. <i>Vascular Pharmacology</i> , <b>2005</b> , 42, 125-40	5.9	30
269	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , <b>2021</b> , 12, 24	17.4	30
268	MicroRNAs relate to early worsening of renal function in patients with acute heart failure. <i>International Journal of Cardiology</i> , <b>2016</b> , 203, 564-9	3.2	29
267	Parental vitamin D deficiency during pregnancy is associated with increased blood pressure in offspring via Panx1 hypermethylation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 311, H1459-H1469	5.2	29
266	Interethnic analyses of blood pressure loci in populations of East Asian and European descent. <i>Nature Communications</i> , <b>2018</b> , 9, 5052	17.4	29
265	Genome-wide association study on plasma levels of midregional-proadrenomedullin and C-terminal-pro-endothelin-1. <i>Hypertension</i> , <b>2013</b> , 61, 602-8	8.5	28
264	Inhibition of Interleukin-6 Receptor in a Murine Model of Myocardial Ischemia-Reperfusion. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167195	3.7	28
263	Short-term statin therapy and cardiac function and symptoms in patients with idiopathic dilated cardiomyopathy. <i>Circulation</i> , <b>2004</b> , 109, e34; author reply e34	16.7	27
262	Meta-analysis of 49 549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant in ANGPTL4 determining fasting TG levels. <i>Journal of Medical Genetics</i> , <b>2016</b> , 53, 441-9 <sup>5.8</sup>	5.8	27
261	Plasma renin and outcome in the community: data from PREVEND. <i>European Heart Journal</i> , <b>2012</b> , 33, 2351-9	9.5	26
260	Discovery of Genetic Variation on Chromosome 5q22 Associated with Mortality in Heart Failure. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006034	6	26
259	Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. <i>Nature Genetics</i> , <b>2020</b> , 52, 1314-1332	36.3	26
258	Caffeine intake inverts the effect of adenosine on myocardial perfusion during stress as measured by T1 mapping. <i>International Journal of Cardiovascular Imaging</i> , <b>2016</b> , 32, 1545-53	2.5	26
257	Long-term outcome in men and women after CABG; results from the IMAGINE trial. <i>Atherosclerosis</i> , <b>2015</b> , 241, 284-8	3.1	25
256	Genetic study links components of the autonomous nervous system to heart-rate profile during exercise. <i>Nature Communications</i> , <b>2018</b> , 9, 898	17.4	25
255	Exome-chip meta-analysis identifies novel loci associated with cardiac conduction, including ADAMTS6. <i>Genome Biology</i> , <b>2018</b> , 19, 87	18.3	25
254	Renal dysfunction is associated with shorter telomere length in heart failure. <i>Clinical Research in Cardiology</i> , <b>2009</b> , 98, 629-34	6.1	25
253	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> , <b>2011</b> , 7, e1002333	6	25

252	Low levels of vitamin D are associated with multimorbidity: results from the LifeLines Cohort Study. <i>Annals of Medicine</i> , <b>2015</b> , 47, 474-81	1.5	24
251	Imaging the myocardial ischemic cascade. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 1249-1263	2.63	24
250	Accumulation of 5-oxoproline in myocardial dysfunction and the protective effects of OPLAH. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	24
249	Telomere Length Is Not Related to Established Cardiovascular Risk Factors but Does Correlate with Red and White Blood Cell Counts in a German Blood Donor Population. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139308	3.7	24
248	Influence of age on the prognostic value of mid-regional pro-adrenomedullin in the general population. <i>Heart</i> , <b>2012</b> , 98, 1348-53	5.1	24
247	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , <b>2021</b> ,	50.4	24
246	Pharmacodynamics, pharmacokinetics, and safety of single-dose subcutaneous administration of selatogrel, a novel P2Y <sub>12</sub> receptor antagonist, in patients with chronic coronary syndromes. <i>European Heart Journal</i> , <b>2020</b> , 41, 3132-3140	9.5	24
245	Population-based values and abnormalities of the electrocardiogram in the general Dutch population: The LifeLines Cohort Study. <i>Clinical Cardiology</i> , <b>2017</b> , 40, 865-872	3.3	23
244	Coronary angiography after cardiac arrest: Rationale and design of the COACT trial. <i>American Heart Journal</i> , <b>2016</b> , 180, 39-45	4.9	23
243	Pathway analysis shows association between FGFBP1 and hypertension. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2011</b> , 22, 947-55	12.7	23
242	Genome-wide meta-analyses of plasma renin activity and concentration reveal association with the kininogen 1 and prekallikrein genes. <i>Circulation: Cardiovascular Genetics</i> , <b>2015</b> , 8, 131-40		22
241	Biomarker-Guided Versus Guideline-Based Treatment of Patients With Heart Failure: Results From BIOSTAT-CHF. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 386-398	15.1	22
240	Galectin-3 and sST2 in prediction of left ventricular ejection fraction after myocardial infarction. <i>Clinica Chimica Acta</i> , <b>2016</b> , 452, 50-7	6.2	22
239	Erythropoietin in the general population: reference ranges and clinical, biochemical and genetic correlates. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125215	3.7	22
238	Impact of genetic variation in the SMIM1 gene on Vel expression levels. <i>Transfusion</i> , <b>2015</b> , 55, 1457-66	2.9	21
237	Right Ventricular Function After Acute Myocardial Infarction Treated With Primary Percutaneous Coronary Intervention (from the Glycometabolic Intervention as Adjunct to Primary Percutaneous Coronary Intervention in ST-Segment Elevation Myocardial Infarction III Trial). <i>American Journal of Cardiology</i> , <b>2016</b> , 118, 338-44	3	21
236	Twenty-eight genetic loci associated with ST-T-wave amplitudes of the electrocardiogram. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 2093-2103	5.6	20
235	Native T reference values for nonischemic cardiomyopathies and populations with increased cardiovascular risk: A systematic review and meta-analysis. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 47, 891-912	5.6	20

234	Screening for cardiovascular disease risk using traditional risk factor assessment or coronary artery calcium scoring: the ROBINSCA trial. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2020</b> , 21, 1216-1224	4.1	19
233	Nuclear hormone receptors as regulators of the renin-angiotensin-aldosterone system. <i>Hypertension</i> , <b>2008</b> , 51, 1442-8	8.5	19
232	Vascular function and mild renal impairment in stable coronary artery disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 379-84	9.4	19
231	Plasma calcidiol, calcitriol, and parathyroid hormone and risk of new onset heart failure in a population-based cohort study. <i>ESC Heart Failure</i> , <b>2016</b> , 3, 189-197	3.7	19
230	High-Frequency Biomarker Measurements of Troponin, NT-proBNP, and C-Reactive Protein for Prediction of New Coronary Events After Acute Coronary Syndrome. <i>Circulation</i> , <b>2019</b> , 139, 134-136	16.7	19
229	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. <i>EBioMedicine</i> , <b>2018</b> , 38, 206-216	8.8	19
228	Relation of renal dysfunction with incident atrial fibrillation and cardiovascular morbidity and mortality: The PREVEND study. <i>Europace</i> , <b>2017</b> , 19, 1930-1936	3.9	18
227	Genome-wide association meta-analysis of 30,000 samples identifies seven novel loci for quantitative ECG traits. <i>European Journal of Human Genetics</i> , <b>2019</b> , 27, 952-962	5.3	18
226	The diagnostic accuracy of clinical examination for estimating cardiac index in critically ill patients: the Simple Intensive Care Studies-I. <i>Intensive Care Medicine</i> , <b>2019</b> , 45, 190-200	14.5	18
225	Serum ferritin and risk for new-onset heart failure and cardiovascular events in the community. <i>European Journal of Heart Failure</i> , <b>2017</b> , 19, 348-356	12.3	18
224	The effect of metformin on cardiovascular risk profile in patients without diabetes presenting with acute myocardial infarction: data from the Glycometabolic Intervention as adjunct to Primary Coronary Intervention in ST Elevation Myocardial Infarction (GIPS-III) trial. <i>BMJ Open Diabetes Research and Care</i> , <b>2015</b> , 3, e000090	4.5	18
223	Genetic determinants of the ankle-brachial index: a meta-analysis of a cardiovascular candidate gene 50K SNP panel in the candidate gene association resource (CARE) consortium. <i>Atherosclerosis</i> , <b>2012</b> , 222, 138-47	3.1	18
222	Anaemia is associated with shorter leucocyte telomere length in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , <b>2010</b> , 12, 348-53	12.3	18
221	Eosinophil Count Is a Common Factor for Complex Metabolic and Pulmonary Traits and Diseases: The LifeLines Cohort Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168480	3.7	18
220	Long-term outcome of elderly out-of-hospital cardiac arrest survivors as compared with their younger counterparts and the general population. <i>Therapeutic Advances in Cardiovascular Disease</i> , <b>2018</b> , 12, 341-349	3.4	18
219	Discovery of novel heart rate-associated loci using the Exome Chip. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 2346-2363	5.6	17
218	Heart Rate Recovery 10 Seconds After Cessation of Exercise Predicts Death. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	17
217	Pharmacoeugenetics in heart failure. <i>Current Heart Failure Reports</i> , <b>2010</b> , 7, 83-90	2.8	17



216	The influence of atrial fibrillation on the levels of NT-proBNP versus GDF-15 in patients with heart failure. <i>Clinical Research in Cardiology</i> , <b>2020</b> , 109, 331-338	6.1	17
215	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 190420	3.3	16
214	Loss of mitochondrial exo/endonuclease EXOG affects mitochondrial respiration and induces ROS-mediated cardiomyocyte hypertrophy. <i>American Journal of Physiology - Cell Physiology</i> , <b>2015</b> , 308, C155-63	5.4	16
213	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. <i>Nature Communications</i> , <b>2020</b> , 11, 2542	17.4	16
212	Genome-wide association studies and Mendelian randomization analyses for leisure sedentary behaviours. <i>Nature Communications</i> , <b>2020</b> , 11, 1770	17.4	16
211	Circulating peroxiredoxin 4 and type 2 diabetes risk: the Prevention of Renal and Vascular Endstage Disease (PREVEND) study. <i>Diabetologia</i> , <b>2014</b> , 57, 1842-9	10.3	15
210	Telomere Length and Risk of Cardiovascular Disease and Cancer. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 506-507	15.1	15
209	Two-year follow-up of 4 months metformin treatment vs. placebo in ST-elevation myocardial infarction: data from the GIPS-III RCT. <i>Clinical Research in Cardiology</i> , <b>2017</b> , 106, 939-946	6.1	15
208	The association between intelligence and telomere length: a longitudinal population based study. <i>PLoS ONE</i> , <b>2012</b> , 7, e49356	3.7	15
207	Effect of withdrawal of pravastatin therapy on C-reactive protein and low-density lipoprotein cholesterol. <i>American Journal of Cardiology</i> , <b>2007</b> , 100, 1548-51	3	15
206	Predictors of angiotensin-converting enzyme inhibitor-induced reduction of urinary albumin excretion in nondiabetic patients. <i>Hypertension</i> , <b>2006</b> , 48, 870-6	8.5	15
205	Vascular response to angiotensin II predicts long-term prognosis in patients undergoing coronary artery bypass grafting. <i>Hypertension</i> , <b>2004</b> , 44, 930-4	8.5	15
204	The contemporary value of peak creatine kinase-MB after ST-segment elevation myocardial infarction above other clinical and angiographic characteristics in predicting infarct size, left ventricular ejection fraction, and mortality. <i>Clinical Cardiology</i> , <b>2017</b> , 40, 322-328	3.3	14
203	Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. <i>Circulation Genomic and Precision Medicine</i> , <b>2019</b> , 12, e002471	5.2	14
202	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 2615-2633	5.6	14
201	Chronic ischemic mitral regurgitation and papillary muscle infarction detected by late gadolinium-enhanced cardiac magnetic resonance imaging in patients with ST-segment elevation myocardial infarction. <i>Clinical Research in Cardiology</i> , <b>2016</b> , 105, 981-991	6.1	14
200	Genome-wide studies of heart failure and endophenotypes: lessons learned and future directions. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 1209-1225	9.9	14
199	Contributions of Interactions Between Lifestyle and Genetics on Coronary Artery Disease Risk. <i>Current Cardiology Reports</i> , <b>2019</b> , 21, 89	4.2	14



197	Can critically short telomeres cause functional exhaustion of progenitor cells in postinfarction heart failure?. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 1911-2; author reply 1912-3	15.1	14
196	Usefulness of preoperative C-reactive protein and soluble intercellular adhesion molecule-1 level for predicting future cardiovascular events after coronary artery bypass grafting. <i>American Journal of Cardiology</i> , <b>2006</b> , 97, 1697-701	3	14
195	Coronary Angiography After Cardiac Arrest Without ST Segment Elevation: One-Year Outcomes of the COACT Randomized Clinical Trial. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 1358-1365	16.2	14
194	Cohort profile of BIOMarCS: the BIOMarker study to identify the Acute risk of a Coronary Syndrome-a prospective multicentre biomarker study conducted in the Netherlands. <i>BMJ Open</i> , <b>2016</b> , 6, e012929	3	14
193	Early imaging biomarkers of lung cancer, COPD and coronary artery disease in the general population: rationale and design of the ImLife (Imaging in Lifelines) Study. <i>European Journal of Epidemiology</i> , <b>2020</b> , 35, 75-86	12.1	14
192	ExomeChip-Wide Analysis of 95 626 Individuals Identifies 10 Novel Loci Associated With QT and JT Intervals. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e001758	5.2	14
191	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. <i>Circulation Genomic and Precision Medicine</i> , <b>2019</b> , 12, e002470	5.2	13
190	Effect of Metformin on Renal Function After Primary Percutaneous Coronary Intervention in Patients Without Diabetes Presenting with ST-elevation Myocardial Infarction: Data from the GIPS-III Trial. <i>Cardiovascular Drugs and Therapy</i> , <b>2015</b> , 29, 451-9	3.9	13
189	Mutations in <i>TRPV4</i> Causing a Novel Orthostatic Hypotension Syndrome. <i>Circulation Research</i> , <b>2018</b> , 122, 846-854	5.7	13
188	Effects of Caffeine on Myocardial Blood Flow: A Systematic Review. <i>Nutrients</i> , <b>2018</b> , 10, 1075	6.7	13
187	Ischemic patterns assessed by positron emission tomography predict adverse outcome in patients with idiopathic dilated cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , <b>2009</b> , 16, 769-74	2.1	13
186	Effect of Adding Ticagrelor to Standard Aspirin on Saphenous Vein Graft Patency in Patients Undergoing Coronary Artery Bypass Grafting (POPular CABG): A Randomized, Double-Blind, Placebo-Controlled Trial. <i>Circulation</i> , <b>2020</b> , 142, 1799-1807	16.7	13
185	Erythrocytosis in the general population: clinical characteristics and association with clonal hematopoiesis. <i>Blood Advances</i> , <b>2020</b> , 4, 6353-6363	7.8	13
184	Prevalence of electrocardiographic unrecognized myocardial infarction and its association with mortality. <i>International Journal of Cardiology</i> , <b>2017</b> , 243, 34-39	3.2	12
183	Predictors of left ventricular remodeling after ST-elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , <b>2017</b> , 33, 1415-1423	2.5	12
182	Telomere length and outcomes in ischaemic heart failure: data from the COntrolled ROsuvastatin multiNAtional Trial in Heart Failure (CORONA). <i>European Journal of Heart Failure</i> , <b>2015</b> , 17, 313-9	12.3	12
181	Renal Mechanisms of Association between Fibroblast Growth Factor 1 and Blood Pressure. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2015</b> , 26, 3151-60	12.7	12

180	Hemoglobin levels and new-onset heart failure in the community. <i>American Heart Journal</i> , <b>2015</b> , 169, 94-101.e2	4.9	12
179	Identification, Heritability, and Relation With Gene Expression of Novel DNA Methylation Loci for Blood Pressure. <i>Hypertension</i> , <b>2020</b> , 76, 195-205	8.5	12
178	Distinct Pathological Pathways in Patients With Heart Failure and Diabetes. <i>JACC: Heart Failure</i> , <b>2020</b> , 8, 234-242	7.9	12
177	Heart failure and inflammation-related biomarkers as predictors of new-onset diabetes in the general population. <i>International Journal of Cardiology</i> , <b>2018</b> , 250, 188-194	3.2	12
176	Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 3118-3131	15.1	12
175	High-sensitivity C-reactive protein and long term reperfusion success of primary percutaneous intervention in ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , <b>2017</b> , 248, 51-56	3.2	12
174	Long-term effects of pravastatin and fosinopril on peripheral endothelial function in albuminuric subjects. <i>Atherosclerosis</i> , <b>2008</b> , 196, 349-355	3.1	12
173	Towards reference values of pericoronary adipose tissue attenuation: impact of coronary artery and tube voltage in coronary computed tomography angiography. <i>European Radiology</i> , <b>2020</b> , 30, 6838-6846	8.46	12
172	Variation in the SERPINA6/SERPINA1 locus alters morning plasma cortisol, hepatic corticosteroid binding globulin expression, gene expression in peripheral tissues, and risk of cardiovascular disease. <i>Journal of Human Genetics</i> , <b>2021</b> , 66, 625-636	4.3	12
171	Genetics and the heart rate response to exercise. <i>Cellular and Molecular Life Sciences</i> , <b>2019</b> , 76, 2391-2409	10.3	11
170	Soluble interleukin 6 receptor levels are associated with reduced myocardial reperfusion after percutaneous coronary intervention for acute myocardial infarction. <i>Cytokine</i> , <b>2015</b> , 73, 207-12	4	11
169	Gene-gene Interaction Analyses for Atrial Fibrillation. <i>Scientific Reports</i> , <b>2016</b> , 6, 35371	4.9	11
168	High serum erythropoietin levels are related to heart failure development in subjects from the general population with albuminuria: data from PREVEND. <i>European Journal of Heart Failure</i> , <b>2016</b> , 18, 814-21	12.3	11
167	Rosuvastatin attenuates angiotensin II-induced neointimal formation after stent implantation in the rat. <i>Coronary Artery Disease</i> , <b>2008</b> , 19, 47-53	1.4	11
166	Expanding the concept of telomere dysfunction in cardiovascular disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 807-8	9.4	11
165	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression.. <i>Journal of the American College of Cardiology</i> , <b>2022</b> , 79, 223-233	15.1	11
164	The Genetic Makeup of the Electrocardiogram. <i>Cell Systems</i> , <b>2020</b> , 11, 229-238.e5	10.6	11
163	Age dependent associations of risk factors with heart failure: pooled population based cohort study. <i>BMJ, The</i> , <b>2021</b> , 372, n461	5.9	11

162	Computational quantitative flow ratio to assess functional severity of coronary artery stenosis. <i>International Journal of Cardiology</i> , <b>2018</b> , 271, 36-41	3.2	11
161	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e002037	5.2	11
160	Left ventricular restoration devices post myocardial infarction. <i>Heart Failure Reviews</i> , <b>2018</b> , 23, 871-883	5	11
159	Effect of Metformin on Metabolites and Relation With Myocardial Infarct Size and Left Ventricular Ejection Fraction After Myocardial Infarction. <i>Circulation: Cardiovascular Genetics</i> , <b>2017</b> , 10,		10
158	A Comparison of Heritability Estimates by Classical Twin Modeling and Based on Genome-Wide Genetic Relatedness for Cardiac Conduction Traits. <i>Twin Research and Human Genetics</i> , <b>2017</b> , 20, 489-498	3.2	10
157	Effect of Systolic Blood Pressure on Left Ventricular Structure and Function: A Mendelian Randomization Study. <i>Hypertension</i> , <b>2019</b> , 74, 826-832	8.5	10
156	SNP in human ARHGEF3 promoter is associated with DNase hypersensitivity, transcript level and platelet function, and Arhgef3 KO mice have increased mean platelet volume. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178095	3.7	10
155	Identifying genetic variants for heart rate variability in the acetylcholine pathway. <i>PLoS ONE</i> , <b>2014</b> , 9, e112476	3.7	9
154	Effects of angiotensin II and angiotensin II type 1 receptor blockade on neointimal formation after stent implantation. <i>International Journal of Cardiology</i> , <b>2008</b> , 126, 209-15	3.2	9
153	Effect of Metformin Treatment on Lipoprotein Subfractions in Non-Diabetic Patients with Acute Myocardial Infarction: A Glycometabolic Intervention as Adjunct to Primary Coronary Intervention in ST Elevation Myocardial Infarction (GIPS-III) Trial. <i>PLoS ONE</i> , <b>2016</b> , 11, e0145719	3.7	9
152	The Effect of Metformin on Diastolic Function in Patients Presenting with ST-Elevation Myocardial Infarction. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168340	3.7	9
151	The role of cathepsin D in the pathophysiology of heart failure and its potentially beneficial properties: a translational approach. <i>European Journal of Heart Failure</i> , <b>2020</b> , 22, 2102-2111	12.3	9
150	Determinants of temporal changes in galectin-3 level in the general population: Data of PREVEND. <i>International Journal of Cardiology</i> , <b>2016</b> , 222, 385-390	3.2	9
149	Epigenomes of Human Hearts Reveal New Genetic Variants Relevant for Cardiac Disease and Phenotype. <i>Circulation Research</i> , <b>2020</b> , 127, 761-777	15.7	8
148	Phenome-wide association analysis of LDL-cholesterol lowering genetic variants in PCSK9. <i>BMC Cardiovascular Disorders</i> , <b>2019</b> , 19, 240	2.3	8
147	Reproducibility of telomere length assessment: Authors' Response to Damjan Krstajic and Ljubomir Buturovic. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 1739-41	7.8	8
146	Pharmacogenetics in heart failure: promises and challenges. <i>Expert Opinion on Pharmacotherapy</i> , <b>2009</b> , 10, 1713-25	4	8
145	Effects of C-reactive protein and cholesterol on responsiveness in vitro of the internal thoracic artery to angiotensin II in patients having coronary artery bypass grafting. <i>American Journal of Cardiology</i> , <b>2006</b> , 98, 751-3	3	8

144	Prevalence, predictors, and outcomes of clonal hematopoiesis in individuals aged 80 years. <i>Blood Advances</i> , <b>2021</b> , 5, 2115-2122	7.8	8
143	Genome-Wide Association Study and Identification of a Protective Missense Variant on Lipoprotein(a) Concentration: Protective Missense Variant on Lipoprotein(a) Concentration-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1792-1800	9.4	8
142	Discovering and Visualizing Disease-Specific Electrocardiogram Features Using Deep Learning: Proof-of-Concept in Phospholamban Gene Mutation Carriers. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2021</b> , 14, e009056	6.4	8
141	Emergency transcatheter aortic valve implantation in patients with severe aortic regurgitation and a left ventricle assist device: A case report and systematic review. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2017</b> , 6, 719-727	4.3	7
140	Early Clinical Impact of Cerebral Embolic Protection in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , <b>2019</b> , 12, e007605	6	7
139	Is Southern blotting necessary to measure telomere length reproducibly? Authors' Response to: Commentary: The reliability of telomere length measurements. <i>International Journal of Epidemiology</i> , <b>2015</b> , 44, 1686-7	7.8	7
138	Active Tobacco Smoking Impairs Cardiac Systolic Function. <i>Scientific Reports</i> , <b>2020</b> , 10, 6608	4.9	7
137	High-Sensitivity Troponin-T and Cardiovascular Outcomes in the Community: Differences Between Women and Men. <i>Mayo Clinic Proceedings</i> , <b>2020</b> , 95, 1158-1168	6.4	7
136	Heart Rehabilitation in patients awaiting Open heart surgery targeting to prevent Complications and to improve Quality of life (Heart-ROCQ): study protocol for a prospective, randomised, open, blinded endpoint (PROBE) trial. <i>BMJ Open</i> , <b>2019</b> , 9, e031738	3	7
135	Big Data and Artificial Intelligence: Opportunities and Threats in Electrophysiology. <i>Arrhythmia and Electrophysiology Review</i> , <b>2020</b> , 9, 146-154	3.2	7
134	Metabolic Age Based on the BBMRI-NL H-NMR Metabolomics Repository as Biomarker of Age-related Disease. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, 541-547	5.2	7
133	Human genetic determinants of the gut microbiome and their associations with health and disease: a phenome-wide association study. <i>Scientific Reports</i> , <b>2020</b> , 10, 14771	4.9	7
132	Prognostic significance of changes in heart rate following uptitration of beta-blockers in patients with sub-optimally treated heart failure with reduced ejection fraction in sinus rhythm versus atrial fibrillation. <i>Clinical Research in Cardiology</i> , <b>2019</b> , 108, 797-805	6.1	7
131	Computed Tomography Screening for Early Lung Cancer, COPD and Cardiovascular Disease in Shanghai: Rationale and Design of a Population-based Comparative Study. <i>Academic Radiology</i> , <b>2021</b> , 28, 36-45	4.3	7
130	Polygenic prediction of educational attainment within and between families from genome-wide association analyses in 3 million individuals.. <i>Nature Genetics</i> , <b>2022</b> ,	36.3	7
129	Temporal Pattern of Growth Differentiation Factor-15 Protein After Acute Coronary Syndrome (From the BIOMArCS Study). <i>American Journal of Cardiology</i> , <b>2019</b> , 124, 8-13	3	6
128	Leukocyte telomere length and left ventricular function after acute ST-elevation myocardial infarction: data from the glycometabolic intervention as adjunct to primary coronary intervention in ST elevation myocardial infarction (GIPS-III) trial. <i>Clinical Research in Cardiology</i> , <b>2015</b> , 104, 812-21	6.1	6
127	Sex-Based Differences in Unrecognized Myocardial Infarction. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e015519	6	6

126	Blood Eosinophil Count and Metabolic, Cardiac and Pulmonary Outcomes: A Mendelian Randomization Study. <i>Twin Research and Human Genetics</i> , <b>2018</b> , 21, 89-100	2.2	6
125	Interactions between uncoupling protein 2 gene polymorphisms, obesity and alcohol intake on liver function: a large meta-analysed population-based study. <i>European Journal of Endocrinology</i> , <b>2015</b> , 173, 863-72	6.5	6
124	The impact of coronary artery disease risk loci on ischemic heart failure severity and prognosis: association analysis in the COntrolled ROsuvastatin multiNAtional trial in heart failure (CORONA). <i>BMC Medical Genetics</i> , <b>2014</b> , 15, 140	2.1	6
123	The case for statin therapy in chronic heart failure. <i>Clinical Research in Cardiology</i> , <b>2008</b> , 97, 139-46	6.1	6
122	Stabilization patterns and variability of hs-CRP, NT-proBNP and ST2 during 1 year after acute coronary syndrome admission: results of the BIOMarCS study. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2020</b> , 58, 2099-2106	5.9	6
121	Leukocyte profiles across the cardiovascular disease continuum: A population-based cohort study. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2020</b> , 138, 158-164	5.8	6
120	Safety and Tolerability of Sodium Thiosulfate in Patients with an Acute Coronary Syndrome Undergoing Coronary Angiography: A Dose-Escalation Safety Pilot Study (SAFE-ACS). <i>Journal of Interventional Cardiology</i> , <b>2020</b> , 2020, 6014915	1.8	6
119	Details on high frequency blood collection, data analysis, available material and patient characteristics in BIOMarCS. <i>Data in Brief</i> , <b>2019</b> , 27, 104750	1.2	6
118	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. <i>Kidney International</i> , <b>2021</b> , 99, 926-939	9.9	6
117	Integrative Functional Annotation of 52 Genetic Loci Influencing Myocardial Mass Identifies Candidate Regulatory Variants and Target Genes. <i>Circulation Genomic and Precision Medicine</i> , <b>2019</b> , 12, e002328	5.2	5
116	Accurate late gadolinium enhancement prediction by early T1- based quantitative synthetic mapping. <i>European Radiology</i> , <b>2018</b> , 28, 844-850	8	5
115	Clinical, biomarker, and genetic predictors of specific types of atrial fibrillation in a community-based cohort: data of the PREVEND study. <i>Europace</i> , <b>2017</b> , 19, 226-232	3.9	5
114	Disagreement between splenic switch-off and myocardial T1-mapping after caffeine intake. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 625-632	2.5	5
113	Plasminogen activator inhibitor-1 and tissue plasminogen activator and incident AF: Data from the PREVEND study. <i>International Journal of Cardiology</i> , <b>2018</b> , 272, 208-210	3.2	5
112	Statin Effects on Metabolic Profiles: Data From the PREVEND IT (Prevention of Renal and Vascular End-stage Disease Intervention Trial). <i>Circulation: Cardiovascular Genetics</i> , <b>2017</b> , 10,		5
111	Fine mapping the region reveals a common intronic insertion associated to HDL-C. <i>Npj Aging and Mechanisms of Disease</i> , <b>2015</b> , 1, 15011	5.5	5
110	Statins in the treatment of heart failure. <i>Circulation: Heart Failure</i> , <b>2010</b> , 3, 462-4	7.6	5
109	Dissecting the genetics of complex traits: lessons from hypertension. <i>Nephrology Dialysis Transplantation</i> , <b>2010</b> , 25, 1382-5	4.3	5



108	Effects of rosuvastatin on coronary flow reserve and metabolic mismatch in patients with heart failure (From the CORONA Study). <i>American Journal of Cardiology</i> , <b>2010</b> , 105, 517-21	3	5
107	KCND3 potassium channel gene variant confers susceptibility to electrocardiographic early repolarization pattern. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	5
106	Telomere length and incident atrial fibrillation - data of the PREVEND cohort. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171545	3.7	5
105	Risk, Clinical Course, and Outcome of Ischemic Stroke in Patients Hospitalized With COVID-19: A Multicenter Cohort Study. <i>Stroke</i> , <b>2021</b> , 52, 3978-3986	6.7	5
104	Clopidogrel Versus Ticagrelor or Prasugrel After Primary Percutaneous Coronary Intervention According to CYP2C19 Genotype: A POPular Genetics Subanalysis. <i>Circulation: Cardiovascular Interventions</i> , <b>2021</b> , 14, e009434	6	5
103	Uncertainty estimation for deep learning-based automated analysis of 12-lead electrocardiograms. <i>European Heart Journal Digital Health</i> , <b>2021</b> , 2, 401-415	2.3	5
102	Genome-wide association reveals that common genetic variation in the kallikrein-kinin system is associated with serum L-arginine levels. <i>Thrombosis and Haemostasis</i> , <b>2016</b> , 116, 1041-1049	7	5
101	The temporal pattern of immune and inflammatory proteins prior to a recurrent coronary event in post-acute coronary syndrome patients. <i>Biomarkers</i> , <b>2019</b> , 24, 199-205	2.6	5
100	Influence of hydrostatic pressure on intracoronary indices of stenosis severity in vivo. <i>Clinical Research in Cardiology</i> , <b>2018</b> , 107, 222-232	6.1	5
99	Association of Circulating Ketone Bodies With Functional Outcomes After ST-Segment Elevation Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 78, 1421-1432	15.1	5
98	Associations of Observational and Genetically Determined Caffeine Intake With Coronary Artery Disease and Diabetes Mellitus. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e016808	6	4
97	The Relationship of Coronary Artery Calcium and Clinical Coronary Artery Disease with Cognitive Function: A Systematic Review and Meta-Analysis. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2020</b> , 27, 934-958	4	4
96	Evaluation of a genetic risk score based on creatinine-estimated glomerular filtration rate and its association with kidney outcomes. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, 1757-1764	4.3	4
95	Negative effect of vitamin D on kidney function: a Mendelian randomization study. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, 2139-2145	4.3	4
94	Genetic Reduction in Left Ventricular Protein Kinase C- $\beta$ and Adverse Ventricular Remodeling in Human Subjects. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e001901	5.2	4
93	Effect of fosinopril treatment on serum C-reactive protein levels in patients with microalbuminuria. <i>American Journal of Cardiology</i> , <b>2008</b> , 102, 223-5	3	4
92	Plasma matrix metalloproteinase-9 and ACE-inhibitor-induced improvement of urinary albumin excretion in non-diabetic, microalbuminuric subjects. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2007</b> , 8, 177-80	3	4
91	Search for a correlation between telomere length and severity of retinitis pigmentosa due to the dominant rhodopsin Pro23His mutation. <i>Molecular Vision</i> , <b>2009</b> , 15, 592-7	2.3	4

90	Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, 387-395	5.2	4
89	High-pitch dual-source CT for coronary artery calcium scoring: A head-to-head comparison of non-triggered chest versus triggered cardiac acquisition. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2021</b> , 15, 65-72	2.8	4
88	Heart failure medication dosage and survival in women and men seen at outpatient clinics. <i>Heart</i> , <b>2021</b> , 107, 1748-1755	5.1	4
87	Cost Effectiveness of a CYP2C19 Genotype-Guided Strategy in Patients with Acute Myocardial Infarction: Results from the POPular Genetics Trial. <i>American Journal of Cardiovascular Drugs</i> , <b>2021</b> , 1	4	4
86	In vivo coronary lesion differentiation with computed tomography angiography and intravascular ultrasound as compared to optical coherence tomography. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2017</b> , 11, 111-118	2.8	3
85	Genome-Wide Association Scan of Serum Urea in European Populations Identifies Two Novel Loci. <i>American Journal of Nephrology</i> , <b>2019</b> , 49, 193-202	4.6	3
84	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 2111-2125	15.1	3
83	Characteristics of patients with false- ST-segment elevation myocardial infarction diagnoses. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2016</b> , 5, 339-46	4.3	3
82	Lipidomics, Atrial Conduction, and Body Mass Index. <i>Circulation Genomic and Precision Medicine</i> , <b>2019</b> , 12, e002384	5.2	3
81	Genome-wide Association Study of Change in Fasting Glucose over time in 13,807 non-diabetic European Ancestry Individuals. <i>Scientific Reports</i> , <b>2019</b> , 9, 9439	4.9	3
80	Gene Set Enrichment Analyses: lessons learned from the heart failure phenotype. <i>BioData Mining</i> , <b>2017</b> , 10, 18	4.3	3
79	Interpretation and actionability of genetic variants in cardiomyopathies: a position statement from the European Society of Cardiology Council on cardiovascular genomics.. <i>European Heart Journal</i> , <b>2022</b> ,	9.5	3
78	Genetic risk and atrial fibrillation in patients with heart failure. <i>European Journal of Heart Failure</i> , <b>2020</b> , 22, 519-527	12.3	3
77	Sex differences in leukocyte profile in ST-elevation myocardial infarction patients. <i>Scientific Reports</i> , <b>2020</b> , 10, 6851	4.9	3
76	Prehospital risk stratification in patients with chest pain. <i>Emergency Medicine Journal</i> , <b>2021</b> , 38, 814-819	1.5	3
75	Cardioprotective Effects of MTSS1 Enhancer Variants. <i>Circulation</i> , <b>2019</b> , 139, 2073-2076	16.7	2
74	Temporal evolution of myeloperoxidase and galectin 3 during 1 year after acute coronary syndrome admission. <i>American Heart Journal</i> , <b>2019</b> , 216, 143-146	4.9	2
73	Agreement of 2D transthoracic echocardiography with cardiovascular magnetic resonance imaging after ST-elevation myocardial infarction. <i>European Journal of Radiology</i> , <b>2019</b> , 114, 6-13	4.7	2



72	Proactive screening for symptoms: A simple method to improve early detection of unrecognized cardiovascular disease in primary care. Results from the Lifelines Cohort Study. <i>Preventive Medicine</i> , <b>2020</b> , 138, 106143	4.3	2
71	A new beating-heart mitral and aortic valve assessment model with implications for valve intervention training. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2017</b> , 24, 169-172	1.8	2
70	Genetically Determined Physical Activity and Its Association with Circulating Blood Cells. <i>Genes</i> , <b>2019</b> , 10,	4.2	2
69	Telomere Biology in Senescence and Aging: Focus on Cardiovascular Traits <b>2014</b> , 71-84		2
68	Mechanical circulatory support for refractory cardiogenic shock in Takotsubo syndrome: a case report and review of the literature. <i>European Heart Journal - Case Reports</i> , <b>2017</b> , 1, ytx005	0.9	2
67	3-Year Clinical Outcomes After Implantation of Permanent-Polymer Versus Polymer-Free Stent: ReCre8 Landmark Analysis. <i>JACC: Cardiovascular Interventions</i> , <b>2021</b> , 14, 2477-2486	5	2
66	Genome-wide association study provides new insights into the genetic architecture and pathogenesis of heart failure		2
65	Association of Recognized and Unrecognized Myocardial Infarction With Depressive and Anxiety Disorders in 125,988 Individuals: A Report of the Lifelines Cohort Study. <i>Psychosomatic Medicine</i> , <b>2020</b> , 82, 736-743	3.7	2
64	The effect of immediate coronary angiography after cardiac arrest without ST-segment elevation on left ventricular function. A sub-study of the COACT randomised trial. <i>Resuscitation</i> , <b>2021</b> , 164, 93-100 <sup>4</sup>		2
63	Sex differences in patients with out-of-hospital cardiac arrest without ST-segment elevation: A COACT trial substudy. <i>Resuscitation</i> , <b>2021</b> , 158, 14-22	4	2
62	Coronary Artery Calcium and Cognitive Function in Dutch Adults: Cross-Sectional Results of the Population-Based ImaLife Study. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e018172	6	2
61	Clopidogrel in noncarriers of CYP2C19 loss-of-function alleles versus ticagrelor in elderly patients with acute coronary syndrome: A pre-specified sub analysis from the POPular Genetics and POPular Age trials CYP2C19 alleles in elderly patients. <i>International Journal of Cardiology</i> , <b>2021</b> , 334, 10-17	3.2	2
60	Polygenic risk score and coronary artery disease: A meta-analysis of 979,286 participant data. <i>Atherosclerosis</i> , <b>2021</b> , 333, 48-55	3.1	2
59	Rationale and Design of the Groningen Intervention Study for the Preservation of Cardiac Function with Sodium Thiosulfate after St-segment Elevation Myocardial Infarction (GIPS-IV) trial. <i>American Heart Journal</i> , <b>2022</b> , 243, 167-176	4.9	2
58	Cohort Profile Update: Lifelines, a three-generation cohort study and biobank.. <i>International Journal of Epidemiology</i> , <b>2021</b> ,	7.8	2
57	A comparison of two workflows for regulome and transcriptome-based prioritization of genetic variants associated with myocardial mass. <i>Genetic Epidemiology</i> , <b>2019</b> , 43, 717-726	2.6	1
56	Integrating the STOP-BANG Score and Clinical Data to Predict Cardiovascular Events After Infarction: A Machine Learning Study. <i>Chest</i> , <b>2020</b> , 158, 1669-1679	5.3	1
55	Letter to editor: Reply on question of Marques JR et al. regarding the paper entitled: "The LifeLines cohort study: Prevalence and treatment of cardiovascular disease and risk factors". <i>International Journal of Cardiology</i> , <b>2019</b> , 294, 57	3.2	1

54	Early detection of obstructive coronary artery disease in the asymptomatic high-risk population: objectives and study design of the EARLY-SYNERGY trial.. <i>American Heart Journal</i> , <b>2022</b> , 246, 166-166	4.9	1
53	Large HDL particles negatively associate with leukocyte counts independent of cholesterol efflux capacity: A cross sectional study in the population-based Lifelines DEEP cohort.. <i>Atherosclerosis</i> , <b>2022</b> , 343, 20-27	3.1	1
52	A portable isometric knee extensor strength testing device: test-retest reliability and minimal detectable change scores of the Q-Force In healthy adults. <i>BMC Musculoskeletal Disorders</i> , <b>2021</b> , 22, 966	2.8	1
51	Genomic insights in ascending aortic size and distensibility.. <i>EBioMedicine</i> , <b>2021</b> , 75, 103783	8.8	1
50	Discovering patterns of pleiotropy in genome-wide association studies		1
49	The genetic makeup of the electrocardiogram		1
48	Cardiovascular Risk Factors and Coronary Calcification in a Middle-aged Dutch Population: The ImaLife Study. <i>Journal of Thoracic Imaging</i> , <b>2021</b> , 36, 174-180	5.6	1
47	Novel blood pressure locus and gene discovery using GWAS and expression datasets from blood and the kidney		1
46	Phenome-wide association analysis of LDL-cholesterol lowering genetic variants in PCSK9		1
45	The effect of feedback on cardiovascular risk factors on optimization of primary prevention: The PharmLines initiative. <i>International Journal of Cardiology: Hypertension</i> , <b>2020</b> , 6, 100042	1.6	1
44	Genome-Wide Association Meta-Analysis of Individuals of European Ancestry Identifies Suggestive Loci for Sodium Intake, Potassium Intake, and Their Ratio Measured from 24-Hour or Half-Day Urine Samples. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 2635-2645	4.1	1
43	The Groningen electrocardiographic criteria for left ventricular hypertrophy: a sex-specific analysis. <i>Scientific Reports</i> , <b>2021</b> , 11, 6662	4.9	1
42	Clinical outcomes after permanent polymer or polymer-free stent implantation in patients with diabetes mellitus: The ReCre8 diabetes substudy. <i>Catheterization and Cardiovascular Interventions</i> , <b>2021</b> ,	2.7	1
41	Focal pericoronary adipose tissue attenuation is related to plaque presence, plaque type, and stenosis severity in coronary CTA. <i>European Radiology</i> , <b>2021</b> , 31, 7251-7261	8	1
40	Cluster Individuals Based on Phenotype and Determine the Risk for Atrial Fibrillation in the PREVEND and Framingham Heart Study Populations. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165828	3.7	1
39	Meta-GWAS and Meta-Analysis of Exome Array Studies Do Not Reveal Genetic Determinants of Serum Hepcidin. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166628	3.7	1
38	Evolution of renal function and predictive value of serial renal assessments among patients with acute coronary syndrome: BIOMarCS study. <i>International Journal of Cardiology</i> , <b>2020</b> , 299, 12-19	3.2	1
37	Lifestyle components: Self-reported physical activity, nutritional status, sleep quality and incident atrial fibrillation. <i>IJC Heart and Vasculature</i> , <b>2020</b> , 27, 100492	2.4	1

36	Risk prediction of atrial fibrillation in the community combining biomarkers and genetics. <i>Europace</i> , <b>2021</b> , 23, 674-681	3.9	1
35	Temporal Evolution of Serum Concentrations of High-Sensitivity Cardiac Troponin During 1 Year After Acute Coronary Syndrome Admission. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e017393 <sup>6</sup>		1
34	Translational insights from single-cell technologies across the cardiovascular disease continuum. <i>Trends in Cardiovascular Medicine</i> , <b>2021</b> ,	6.9	1
33	Prehabilitation to prevent complications after cardiac surgery - A retrospective study with propensity score analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0253459	3.7	1
32	Improving patient identification for advanced cardiac imaging through machine learning-integration of clinical and coronary CT angiography data. <i>International Journal of Cardiology</i> , <b>2021</b> , 335, 130-136	3.2	1
31	The genomics of heart failure: design and rationale of the HERMES consortium. <i>ESC Heart Failure</i> , <b>2021</b> ,	3.7	1
30	Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 15, 75-75	8.4	1
29	Machine learning in cardiovascular genomics, proteomics, and drug discovery <b>2021</b> , 325-352		1
28	Artificial Intelligence to Improve Risk Prediction with Nuclear Cardiac Studies.. <i>Current Cardiology Reports</i> , <b>2022</b> , 24, 307	4.2	1
27	DNA methylation signature of chronic low-grade inflammation and its role in cardio-respiratory diseases.. <i>Nature Communications</i> , <b>2022</b> , 13, 2408	17.4	1
26	Minimally invasive surgery or stenting for left anterior descending artery disease - -analysis.. <i>IJC Heart and Vasculature</i> , <b>2022</b> , 40, 101046	2.4	1
25	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. <i>Communications Biology</i> , <b>2022</b> , 5,	6.7	1
24	High-frequency metabolite profiling and the incidence of recurrent cardiac events in patients with post-acute coronary syndrome. <i>Biomarkers</i> , <b>2020</b> , 25, 235-240	2.6	0
23	Causal Pathways from Blood Pressure to Larger Qrs Amplitudes a Mendelian Randomization Study. <i>Scientific Reports</i> , <b>2018</b> , 8, 5817	4.9	0
22	Genetic Determinants of Serum Calcification Propensity and Cardiovascular Outcomes in the General Population.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 809717	5.4	0
21	Persistently elevated levels of sST2 after acute coronary syndrome are associated with recurrent cardiac events.. <i>Biomarkers</i> , <b>2022</b> , 1-17	2.6	0
20	Atrial fibrillation and left atrial size and function: a Mendelian randomization study. <i>Scientific Reports</i> , <b>2021</b> , 11, 8431	4.9	0
19	Elucidating mechanisms of genetic cross-disease associations at the PROCR vascular disease locus.. <i>Nature Communications</i> , <b>2022</b> , 13, 1222	17.4	0

18	Ticagrelor Monotherapy or Dual Antiplatelet Therapy After Drug-Eluting Stent Implantation: Per-Protocol Analysis of the GLOBAL LEADERS Trial.. <i>Journal of the American Heart Association</i> , <b>2022</b> , e024291	6	o
17	Twenty-Five Novel Loci for Carotid Intima-Media Thickness: A Genome-Wide Association Study in >45 000 Individuals and Meta-Analysis of >100 000 Individuals. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , ATVBAHA121317007	9.4	o
16	Association of epicardial adipose tissue with different stages of coronary artery disease: A cross-sectional UK Biobank cardiovascular magnetic resonance imaging substudy.. <i>IJC Heart and Vasculature</i> , <b>2022</b> , 40, 101006	2.4	o
15	Coronary calcium scoring as first-line test to detect and exclude coronary artery disease in patients presenting to the general practitioner with stable chest pain: protocol of the cluster-randomised CONCRETE trial.. <i>BMJ Open</i> , <b>2022</b> , 12, e055123	3	o
14	Multi-Modality Imaging for Prevention of Coronary Artery Disease and Myocardial Infarction in the General Population: Ready for Prime Time?. <i>Journal of Clinical Medicine</i> , <b>2022</b> , 11, 2965	5.1	o
13	Reply: Poor Sensitivity and Specificity of Electrocardiographic Estimation of Myocardial Mass. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 1099	15.1	
12	Data on sex differences in one-year outcomes of out-of-hospital cardiac arrest patients without ST-segment elevation. <i>Data in Brief</i> , <b>2020</b> , 33, 106521	1.2	
11	Genetically Determined High Levels of Iron Parameters Are Protective for Coronary Artery Disease. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, e002544	5.2	
10	Urine albumin excretion and the risk of incident atrial fibrillation: predictive or aetiological relevance-AuthorsPreply. <i>Europace</i> , <b>2018</b> , 20, 561-562	3.9	
9	PS4 - 23. Bilirubin and risk of type 2 diabetes: a mendelian randomization approach. <i>Nederlands Tijdschrift Voor Diabetologie</i> , <b>2012</b> , 10, 113-114	o	
8	Letter by Huzen et al regarding article, "Association of leukocyte telomere length with circulating biomarkers of the renin-angiotensin-aldosterone system: the Framingham Heart Study". <i>Circulation</i> , <b>2008</b> , 118, e688; author reply e689	16.7	
7	An Erythropoietin-Independent Mechanism of Erythrocytic Precursor Proliferation Underlies Hypoxia Tolerance in Sea Nomads.. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 760851	4.6	
6	Limitations of Quantitative Blush Evaluator (QuBE) as myocardial perfusion assessment method on digital coronary angiograms. <i>Journal of Clinical and Translational Research</i> , <b>2018</b> , 3, 394-400	1.1	
5	Aging-Related Changes in Telomeres and Telomerases and Implications for Heart Failure Therapy <b>2014</b> , 351-360		
4	Effect of metabolic genetic variants on long-term disease comorbidity in patients with type 2 diabetes. <i>Scientific Reports</i> , <b>2021</b> , 11, 2794	4.9	
3	Multi-task Deep Learning of Myocardial Blood Flow and Cardiovascular Risk Traits from PET Myocardial Perfusion Imaging.. <i>Journal of Nuclear Cardiology</i> , <b>2022</b> , 1	2.1	
2	Cost Analysis From a Randomized Comparison of Immediate Versus Delayed Angiography After Cardiac Arrest.. <i>Journal of the American Heart Association</i> , <b>2022</b> , 11, e022238	6	
1	Prehospital risk assessment in patients suspected of non-ST-segment elevation acute coronary syndrome: a systematic review and meta-analysis.. <i>BMJ Open</i> , <b>2022</b> , 12, e057305	3	

