Euan A Ashley

List of Publications by Citations

225 papers	12,705 citations	54 h-index	109 g-index
252 ext. papers	16,205 ext. citations	11.3 avg, IF	6.62 L-index

#	Paper	IF	Citations
225	Personal omics profiling reveals dynamic molecular and medical phenotypes. *Cell*, **2012**, 148, 1293-307	56.2	921
224	Clinical assessment incorporating a personal genome. *Lancet, The*, **2010**, 375, 1525-35	40	565
223	A long noncoding RNA protects the heart from pathological hypertrophy. *Nature*, **2014**, 514, 102-106	50.4	529
222	Patient-specific induced pluripotent stem cells as a model for familial dilated cardiomyopathy. *Science Translational Medicine*, **2012**, 4, 130ra47	17.5	497
221	Abnormal calcium handling properties underlie familial hypertrophic cardiomyopathy pathology in patient-specific induced pluripotent stem cells. *Cell Stem Cell*, **2013**, 12, 101-13	18	449
220	Towards precision medicine. *Nature Reviews Genetics*, **2016**, 17, 507-22	30.1	392
219	Artificial Intelligence in Cardiology. *Journal of the American College of Cardiology*, **2018**, 71, 2668-2679	15.1	373
218	Chromatin regulation by Brg1 underlies heart muscle development and disease. *Nature*, **2010**, 466, 62-7	50.4	355
217	Clinical interpretation and implications of whole-genome sequencing. *JAMA - Journal of the American Medical Association*, **2014**, 311, 1035-45	27.4	333
216	The precision medicine initiative: a new national effort. *JAMA - Journal of the American Medical Association*, **2015**, 313, 2119-20	27.4	324
215	Novel role for the potent endogenous inotrope apelin in human cardiac dysfunction. *Circulation*, **2003**, 108, 1432-9	16.7	276
214	Deep Learning Automates the Quantitative Analysis of Individual Cells in Live-Cell Imaging Experiments. *PLoS Computational Biology*, **2016**, 12, e1005177	5	265
213	Accuracy in Wrist-Worn, Sensor-Based Measurements of Heart Rate and Energy Expenditure in a Diverse Cohort. *Journal of Personalized Medicine*, **2017**, 7,	3.6	260
212	The endogenous peptide apelin potently improves cardiac contractility and reduces cardiac loading in vivo. *Cardiovascular Research*, **2005**, 65, 73-82	9.9	253
211	Performance comparison of whole-genome sequencing platforms. *Nature Biotechnology*, **2011**, 30, 78-82	44.5	241
210	Apelin signaling antagonizes Ang II effects in mouse models of atherosclerosis. *Journal of Clinical Investigation*, **2008**, 118, 3343-54	15.9	214
209	Challenges in the clinical application of whole-genome sequencing. *Lancet, The*, **2010**, 375, 1749-51	40	183

208	APJ acts as a dual receptor in cardiac hypertrophy. *Nature*, **2012**, 488, 394-8	50.4	166
207	A public resource facilitating clinical use of genomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11920-7	11.5	154
206	Plasma concentrations of the novel peptide apelin are decreased in patients with chronic heart failure. *European Journal of Heart Failure*, **2006**, 8, 355-60	12.3	147
205	Cardiac nitric oxide synthase 1 regulates basal and beta-adrenergic contractility in murine ventricular myocytes. *Circulation*, **2002**, 105, 3011-6	16.7	145
204	Feasibility of Obtaining Measures of Lifestyle From a Smartphone App: The MyHeart Counts Cardiovascular Health Study. *JAMA Cardiology*, **2017**, 2, 67-76	16.2	137
203	Endogenous regulation of cardiovascular function by apelin-APJ. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 297, H1904-13	5.2	136
202	Pathway analysis of coronary atherosclerosis. *Physiological Genomics*, **2005**, 23, 103-18	3.6	136
201	RNA-Seq identifies novel myocardial gene expression signatures of heart failure. *Genomics*, **2015**, 105, 83-9	4.3	129
200	Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease. *New England Journal of Medicine*, **2018**, 379, 2131-2139	59.2	129
199	Long-read genome sequencing identifies causal structural variation in a Mendelian disease. *Genetics in Medicine*, **2018**, 20, 159-163	8.1	127
198	Video-based AI for beat-to-beat assessment of cardiac function. *Nature*, **2020**, 580, 252-256	50.4	123
197	Exercise testing in clinical medicine. *Lancet, The*, **2000**, 356, 1592-7	40	119
196	Functional assessment and transplantation of the donor heart after circulatory death. *Journal of Heart and Lung Transplantation*, **2016**, 35, 1443-1452	5.8	118
195	Identification of rare-disease genes using blood transcriptome sequencing and large control cohorts. *Nature Medicine*, **2019**, 25, 911-919	50.5	116
194	Apelin prevents aortic aneurysm formation by inhibiting macrophage inflammation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H1329-35	5.2	114
193	Informed Consent. *New England Journal of Medicine*, **2017**, 376, 856-867	59.2	113
192	Phased whole-genome genetic risk in a family quartet using a major allele reference sequence. *PLoS Genetics*, **2011**, 7, e1002280	6	112
191	Effect of Moderate-Intensity Exercise Training on Peak Oxygen Consumption in Patients With Hypertrophic Cardiomyopathy: A Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2017**, 317, 1349-1357	27.4	107

190	MARRVEL: Integration of Human and Model Organism Genetic Resources to Facilitate Functional Annotation of the Human Genome. *American Journal of Human Genetics*, **2017**, 100, 843-853	11	104
189	Deep learning interpretation of echocardiograms. *Npj Digital Medicine*, **2020**, 3, 10	15.7	104
188	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. *American Journal of Human Genetics*, **2017**, 100, 185-192	11	102
187	Molecular Choreography of Acute Exercise. *Cell*, **2020**, 181, 1112-1130.e16	56.2	96
186	A Reference Equation for Normal Standards for VO Max: Analysis from the Fitness Registry and the Importance of Exercise National Database (FRIEND Registry). *Progress in Cardiovascular Diseases*, **2017**, 60, 21-29	8.5	86
185	Medical implications of technical accuracy in genome sequencing. *Genome Medicine*, **2016**, 8, 24	14.4	83
184	Cardiovascular disease: The rise of the genetic risk score. *PLoS Medicine*, **2018**, 15, e1002546	11.6	81
183	Gene coexpression network topology of cardiac development, hypertrophy, and failure. *Circulation: Cardiovascular Genetics*, **2011**, 4, 26-35		73
182	Clinical phenotype and outcome of hypertrophic cardiomyopathy associated with thin-filament gene mutations. *Journal of the American College of Cardiology*, **2014**, 64, 2589-2600	15.1	69
181	The Undiagnosed Diseases Network of the National Institutes of Health: A National Extension. *JAMA - Journal of the American Medical Association*, **2015**, 314, 1797-8	27.4	68
180	Multidimensional structure-function relationships in human β-cardiac myosin from population-scale genetic variation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 6701-6	11.5	68
179	Athlome Project Consortium: a concerted effort to discover genomic and other "omic" markers of athletic performance. *Physiological Genomics*, **2016**, 48, 183-90	3.6	67
178	Signature patterns of gene expression in mouse atherosclerosis and their correlation to human coronary disease. *Physiological Genomics*, **2005**, 22, 213-26	3.6	67
177	De Novo and Rare Variants at Multiple Loci Support the Oligogenic Origins of Atrioventricular Septal Heart Defects. *PLoS Genetics*, **2016**, 12, e1005963	6	67
176	Genetics and cardiovascular disease: a policy statement from the American Heart Association. *Circulation*, **2012**, 126, 142-57	16.7	64
175	Medical relevance of protein-truncating variants across 337,205 individuals in the UK Biobank study. *Nature Communications*, **2018**, 9, 1612	17.4	61
174	Mobile Health Advances in Physical Activity, Fitness, and Atrial Fibrillation: Moving Hearts. *Journal of the American College of Cardiology*, **2018**, 71, 2691-2701	15.1	59
173	DNA sequencing: clinical applications of new DNA sequencing technologies. *Circulation*, **2012**, 125, 931-44	16.7	57

172	Network analysis of human in-stent restenosis. *Circulation*, **2006**, 114, 2644-54	16.7	56
171	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
170	A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay. *Circulation*, **2019**, 139, 799-811	16.7	54
169	Regional Variation in RBM20 Causes a Highly Penetrant Arrhythmogenic Cardiomyopathy. *Circulation: Heart Failure*, **2019**, 12, e005371	7.6	51
168	Cardiopulmonary responses and prognosis in hypertrophic cardiomyopathy: a potential role for comprehensive noninvasive hemodynamic assessment. *JACC: Heart Failure*, **2015**, 3, 408-418	7.9	51
167	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. *Cell*, **2020**, 181, 1464-1474	56.2	51
166	Personalized medicine: hope or hype?. *European Heart Journal*, **2012**, 33, 1564-70	9.5	51
165	Drug discovery in a multidimensional world: systems, patterns, and networks. *Journal of Cardiovascular Translational Research*, **2010**, 3, 438-47	3.3	50
164	Personalized preventive medicine: genetics and the response to regular exercise in preventive interventions. *Progress in Cardiovascular Diseases*, **2015**, 57, 337-46	8.5	47
163	Cardiac structural and sarcomere genes associated with cardiomyopathy exhibit marked intolerance of genetic variation. *Circulation: Cardiovascular Genetics*, **2012**, 5, 602-10		45
162	Biallelic Mutations in ATP5F1D, which Encodes a Subunit of ATP Synthase, Cause a Metabolic Disorder. *American Journal of Human Genetics*, **2018**, 102, 494-504	11	44
161	Biological Insights Into Muscular Strength: Genetic Findings in the UK Biobank. *Scientific Reports*, **2018**, 8, 6451	4.9	42
160	Achieving high-sensitivity for clinical applications using augmented exome sequencing. *Genome Medicine*, **2015**, 7, 71	14.4	41
159	Prevalence and clinical correlates of right ventricular dysfunction in patients with hypertrophic cardiomyopathy. *American Journal of Cardiology*, **2014**, 113, 361-7	3	41
158	Prevalence and Progression of Late Gadolinium Enhancement in Children and Adolescents With Hypertrophic Cardiomyopathy. *Circulation*, **2018**, 138, 782-792	16.7	40
157	Weakly supervised classification of aortic valve malformations using unlabeled cardiac MRI sequences. *Nature Communications*, **2019**, 10, 3111	17.4	40
156	Hypertrophic Cardiomyopathy as a Cause of Sudden Cardiac Death in the Young: A Meta-Analysis. *American Journal of Medicine*, **2016**, 129, 486-496.e2	2.4	38
155	Angiotensin-converting enzyme genotype predicts cardiac and autonomic responses to prolonged exercise. *Journal of the American College of Cardiology*, **2006**, 48, 523-31	15.1	38

154	Molecular diagnosis of long QT syndrome at 10 days of life by rapid whole genome sequencing. *Heart Rhythm*, **2014**, 11, 1707-13	6.7	37
153	Effects of respiratory exchange ratio on the prognostic value of peak oxygen consumption and ventilatory efficiency in patients with systolic heart failure. *JACC: Heart Failure*, **2013**, 1, 427-32	7.9	34
152	Multi-omic profiling reveals widespread dysregulation of innate immunity and hematopoiesis in COVID-19. *Journal of Experimental Medicine*, **2021**, 218,	16.6	34
151	Apelin enhances directed cardiac differentiation of mouse and human embryonic stem cells. *PLoS ONE*, **2012**, 7, e38328	3.7	33
150	Patterns and prognosis of all components of the J-wave pattern in multiethnic athletes and ambulatory patients. *American Heart Journal*, **2014**, 167, 259-66	4.9	31
149	Accuracy of Smartphone Camera Applications for Detecting Atrial Fibrillation: A Systematic Review and Meta-analysis. *JAMA Network Open*, **2020**, 3, e202064	10.4	30
148	A reference equation for maximal aerobic power for treadmill and cycle ergometer exercise testing: Analysis from the FRIEND registry. *European Journal of Preventive Cardiology*, **2018**, 25, 742-750	3.9	30
147	Oxido-reductive regulation of vascular remodeling by receptor tyrosine kinase ROS1. *Journal of Clinical Investigation*, **2014**, 124, 5159-74	15.9	30
146	Systems-based approaches to cardiovascular biomarker discovery. *Circulation: Cardiovascular Genetics*, **2012**, 5, 360-7		30
145	Early somatic mosaicism is a rare cause of long-QT syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 11555-11560	11.5	30
144	Telomere shortening is a hallmark of genetic cardiomyopathies. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 9276-9281	11.5	30
143	A research roadmap for next-generation sequencing informatics. *Science Translational Medicine*, **2016**, 8, 335ps10	17.5	29
142	Impact of a Genetic Risk Score for Coronary Artery Disease on Reducing Cardiovascular Risk: A Pilot Randomized Controlled Study. *Frontiers in Cardiovascular Medicine*, **2017**, 4, 53	5.4	29
141	Targeting ferroptosis: A novel therapeutic strategy for the treatment of mitochondrial disease-related epilepsy. *PLoS ONE*, **2019**, 14, e0214250	3.7	28
140	Effect of lossy compression of quality scores on variant calling. *Briefings in Bioinformatics*, **2017**, 18, 183-194	3.4	28
139	Care in Specialized Centers and Data Sharing Increase Agreement in Hypertrophic Cardiomyopathy Genetic Test Interpretation. *Circulation: Cardiovascular Genetics*, **2017**, 10,		27
138	A Rapid, High-Quality, Cost-Effective, Comprehensive and Expandable Targeted Next-Generation Sequencing Assay for Inherited Heart Diseases. *Circulation Research*, **2015**, 117, 603-11	15.7	27
137	Variant Interpretation for Dilated Cardiomyopathy: Refinement of the American College of Medical Genetics and Genomics/ClinGen Guidelines for the DCM Precision Medicine Study. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002480	5.2	27

136	Cardiovascular Precision Medicine in the Genomics Era. *JACC Basic To Translational Science*, **2018**, 3, 313-326	8.7	27
135	Long-term outcomes of septal reduction for obstructive hypertrophic cardiomyopathy. *Journal of Cardiology*, **2015**, 66, 57-62	3	26
134	A neural network approach to predicting outcomes in heart failure using cardiopulmonary exercise testing. *International Journal of Cardiology*, **2014**, 171, 265-9	3.2	24
133	Randomized trial of personal genomics for preventive cardiology: design and challenges. *Circulation: Cardiovascular Genetics*, **2012**, 5, 368-76		23
132	Prevalence and prognostic role of right ventricular involvement in stress-induced cardiomyopathy. *Journal of Cardiac Failure*, **2015**, 21, 419-425	3.3	22
131	Systems Genomics Identifies a Key Role for Hypocretin/Orexin Receptor-2 in Human Heart Failure. *Journal of the American College of Cardiology*, **2015**, 66, 2522-33	15.1	22
130	Mechanisms of exercise intolerance in patients with hypertrophic cardiomyopathy. *American Heart Journal*, **2009**, 158, e27-34	4.9	22
129	Comparison of left ventricular manual versus automated derived longitudinal strain: implications for clinical practice and research. *International Journal of Cardiovascular Imaging*, **2016**, 32, 429-37	2.5	22
128	Sports genetics moving forward: lessons learned from medical research. *Physiological Genomics*, **2016**, 48, 175-82	3.6	21
127	A new era in clinical genetic testing for hypertrophic cardiomyopathy. *Journal of Cardiovascular Translational Research*, **2009**, 2, 381-91	3.3	21
126	Multi-task deep learning for cardiac rhythm detection in wearable devices. *Npj Digital Medicine*, **2020**, 3, 116	15.7	21
125	Incident Atrial Fibrillation Is Associated With MYH7 Sarcomeric Gene Variation in Hypertrophic Cardiomyopathy. *Circulation: Heart Failure*, **2018**, 11, e005191	7.6	21
124	Redox regulation of vascular remodeling. *Cellular and Molecular Life Sciences*, **2016**, 73, 349-63	10.3	20
123	The effect of digital physical activity interventions on daily step count: a randomised controlled crossover substudy of the MyHeart Counts Cardiovascular Health Study. *The Lancet Digital Health*, **2019**, 1, e344-e352	14.4	20
122	Yield of whole exome sequencing in undiagnosed patients facing insurance coverage barriers to genetic testing. *Journal of Genetic Counseling*, **2019**, 28, 1107-1118	2.5	20
121	SARS-CoV-2 RNAaemia predicts clinical deterioration and extrapulmonary complications from COVID-19 **2020**,		20
120	Gender differences in ventricular remodeling and function in college athletes, insights from lean body mass scaling and deformation imaging. *American Journal of Cardiology*, **2015**, 116, 1610-6	3	19
119	Apelin and APJ orchestrate complex tissue-specific control of cardiomyocyte hypertrophy and contractility in the hypertrophy-heart failure transition. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H348-H356	5.2	19

118	A clinical approach to inherited hypertrophy: the use of family history in diagnosis, risk assessment, and management. *Circulation: Cardiovascular Genetics*, **2013**, 6, 118-31		19
117	Spatial and Functional Distribution of Pathogenic Variants and Clinical Outcomes in Patients With Hypertrophic Cardiomyopathy. *Circulation Genomic and Precision Medicine*, **2020**, 13, 396-405	5.2	19
116	Integrated Polygenic Tool Substantially Enhances Coronary Artery Disease Prediction. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003304	5.2	19
115	Alterations in Cardiac Mechanics Following Ultra-Endurance Exercise: Insights from Left and Right Ventricular Area-Deformation Loops. *Journal of the American Society of Echocardiography*, **2016**, 29, 879-887.e1	5.8	19
114	Sequence to Medical Phenotypes: A Framework for Interpretation of Human Whole Genome DNA Sequence Data. *PLoS Genetics*, **2015**, 11, e1005496	6	18
113	Next-Generation Sequencing in Cardiovascular Disease: Present Clinical Applications and the Horizon of Precision Medicine. *Circulation*, **2017**, 135, 406-409	16.7	17
112	Physical activity, sleep and cardiovascular health data for 50,000 individuals from the MyHeart Counts Study. *Scientific Data*, **2019**, 6, 24	8.2	17
111	The Medical Genome Initiative: moving whole-genome sequencing for rare disease diagnosis to the clinic. *Genome Medicine*, **2020**, 12, 48	14.4	17
110	Impact of Septal Reduction on Left Atrial Size and Diastole in Hypertrophic Cardiomyopathy. *Echocardiography*, **2016**, 33, 686-94	1.5	17
109	Cardiopulmonary and noninvasive hemodynamic responses to exercise predict outcomes in heart failure. *Journal of Cardiac Failure*, **2013**, 19, 101-7	3.3	17
108	Cell-intrinsic functional effects of the cardiac myosin Arg-403-Gln mutation in familial hypertrophic cardiomyopathy. *Biophysical Journal*, **2012**, 102, 2782-90	2.9	16
107	Comparison of QT Interval Measurement Methods and Correction Formulas in Atrial Fibrillation. *American Journal of Cardiology*, **2019**, 123, 1822-1827	3	15
106	Exercise testing scores as an example of better decisions through science. *Medicine and Science in Sports and Exercise*, **2002**, 34, 1391-8	1.2	15
105	Load-dependent effects of apelin on murine cardiomyocytes. *Progress in Biophysics and Molecular Biology*, **2017**, 130, 333-343	4.7	14
104	Clinical utility of genomic sequencing: a measurement toolkit. *Npj Genomic Medicine*, **2020**, 5, 56	6.2	14
103	Allele-Specific Silencing Ameliorates Restrictive Cardiomyopathy Attributable to a Human Myosin Regulatory Light Chain Mutation. *Circulation*, **2019**, 140, 765-778	16.7	14
102	Patient-Specific Induced Pluripotent Stem Cells Implicate Intrinsic Impaired Contractility in Hypoplastic Left Heart Syndrome. *Circulation*, **2020**, 142, 1605-1608	16.7	14
101	SARS-CoV-2 RNAemia predicts clinical deterioration and extrapulmonary complications from COVID-19. *Clinical Infectious Diseases*, **2021**,	11.6	14

100	Classifying Drugs by their Arrhythmogenic Risk Using Machine Learning. *Biophysical Journal*, **2020**, 118, 1165-1176	2.9	13
99	Mind the Gap: Current Challenges and Future State of Heart Failure Care. *Canadian Journal of Cardiology*, **2017**, 33, 1434-1449	3.8	13
98	Athletic Remodeling in Female College Athletes: The "Morganroth Hypothesis" Revisited. *Clinical Journal of Sport Medicine*, **2019**, 29, 224-231	3.2	13
97	A New Approach to Rare Diseases of Children: The Undiagnosed Diseases Network. *Journal of Pediatrics*, **2018**, 196, 291-297.e2	3.6	12
96	Systems biology of heart failure, challenges and hopes. *Current Opinion in Cardiology*, **2011**, 26, 314-21	2.1	12
95	Diagnosing coronary artery disease in diabetic patients. *Diabetes/Metabolism Research and Reviews*, **2002**, 18, 201-8	7.5	12
94	In Vivo Post-Cardiac Arrest Myocardial Dysfunction Is Supported by Ca2+/Calmodulin-Dependent Protein Kinase II-Mediated Calcium Long-Term Potentiation and Mitigated by Alda-1, an Agonist of Aldehyde Dehydrogenase Type 2. *Circulation*, **2016**, 134, 961-977	16.7	12
93	Loss of function, missense, and intronic variants in NOTCH1 confer different risks for left ventricular outflow tract obstructive heart defects in two European cohorts. *Genetic Epidemiology*, **2019**, 43, 215-226	2.6	12
92	Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure. *Nature Communications*, **2019**, 10, 2760	17.4	11
91	Computerized Q wave dimensions in athletes and hypertrophic cardiomyopathy patients. *Journal of Electrocardiology*, **2015**, 48, 362-7	1.4	11
90	Identification of a new target of miR-16, Vacuolar Protein Sorting 4a. *PLoS ONE*, **2014**, 9, e101509	3.7	10
89	Genetic analysis in cardiovascular disease: a clinical perspective. *Cardiology in Review*, **2011**, 19, 81-9	3.2	10
88	Preoperative cardiac evaluation: mechanisms, assessment, and reduction of risk. *Thoracic Surgery Clinics*, **2005**, 15, 263-75	3.1	10
87	Ultrarapid Nanopore Genome Sequencing in a Critical Care Setting.. *New England Journal of Medicine*, **2022**,	59.2	10
86	Validation of an Integrated Risk Tool, Including Polygenic Risk Score, for Atherosclerotic Cardiovascular Disease in Multiple Ethnicities and Ancestries. *American Journal of Cardiology*, **2021**, 148, 157-164	3	10
85	A novel noninvasive method for remote heart failure monitoring: the EuleriAn video Magnification apPLications In heart Failure studY (AMPLIFY). *Npj Digital Medicine*, **2019**, 2, 80	15.7	9
84	Time based versus strain based myocardial performance indices in hypertrophic cardiomyopathy, the merging role of left atrial strain. *European Heart Journal Cardiovascular Imaging*, **2019**, 20, 334-342	4.1	9
83	Value of Strain Imaging and Maximal Oxygen Consumption in Patients With Hypertrophic Cardiomyopathy. *American Journal of Cardiology*, **2017**, 120, 1203-1208	3	9

82	High-Throughput Precision Phenotyping of Left Ventricular Hypertrophy With Cardiovascular Deep Learning.. *JAMA Cardiology*, **2022**,	16.2	9
81	Additive prognostic value of a cardiopulmonary exercise test score in patients with heart failure and intermediate risk. *International Journal of Cardiology*, **2015**, 178, 262-4	3.2	8
80	Stretch-Induced Biased Signaling in Angiotensin II Type 1 and Apelin Receptors for the Mediation of Cardiac Contractility and Hypertrophy. *Frontiers in Physiology*, **2020**, 11, 181	4.6	8
79	Applying current normative data to prognosis in heart failure: The Fitness Registry and the Importance of Exercise National Database (FRIEND). *International Journal of Cardiology*, **2018**, 263, 75-79	3.2	8
78	How does morphology impact on diastolic function in hypertrophic cardiomyopathy? A single centre experience. *BMJ Open*, **2014**, 4, e004814	3	8
77	Latent obstruction and left atrial size are predictors of clinical deterioration leading to septal reduction in hypertrophic cardiomyopathy. *Journal of Cardiac Failure*, **2014**, 20, 236-43	3.3	8
76	Time trajectories in the transcriptomic response to exercise - a meta-analysis. *Nature Communications*, **2021**, 12, 3471	17.4	8
75	Apelin increases atrial conduction velocity, refractoriness, and prevents inducibility of atrial fibrillation. *JCI Insight*, **2020**, 5,	9.9	7
74	Exploratory insights from the right-sided electrocardiogram following prolonged endurance exercise. *European Journal of Sport Science*, **2016**, 16, 1014-22	3.9	7
73	Defining genotype-phenotype relationships in patients with hypertrophic cardiomyopathy using cardiovascular magnetic resonance imaging. *PLoS ONE*, **2019**, 14, e0217612	3.7	6
72	Silencing of ameliorates disease phenotypes in human iPSC-cardiomyocytes. *Physiological Genomics* , **2020**, 52, 293-303	3.6	6
71	Incremental value of right heart metrics and exercise performance to well-validated risk scores in dilated cardiomyopathy. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 916-925	4.1	6
70	A Balanced Look at the Implications of Genomic (and Other "Omics") Testing for Disease Diagnosis and Clinical Care. *Genes*, **2014**, 5, 748-66	4.2	6
69	Worldwide differences in primary prevention implantable cardioverter defibrillator utilization and outcomes in hypertrophic cardiomyopathy. *European Heart Journal*, **2021**, 42, 3932-3944	9.5	6
68	Left atrial function and phenotypes in asymmetric hypertrophic cardiomyopathy. *Echocardiography*, **2017**, 34, 843-850	1.5	5
67	Delivering Clinical Grade Sequencing and Genetic Test Interpretation for Cardiovascular Medicine. *Circulation: Cardiovascular Genetics*, **2017**, 10,		5
66	Targeted Long-Read RNA Sequencing Demonstrates Transcriptional Diversity Driven by Splice-Site Variation in MYBPC3. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002464	5.2	5
65	Taming the genome: towards better genetic test interpretation. *Genome Medicine*, **2016**, 8, 70	14.4	5

64	Contractile reserve and cardiopulmonary exercise parameters in patients with dilated cardiomyopathy, the two dimensions of exercise testing. *Echocardiography*, **2017**, 34, 1179-1186	1.5	5
63	Functional and structural analysis of cytokine-selective IL6ST defects that cause recessive hyper-IgE syndrome. *Journal of Allergy and Clinical Immunology*, **2021**, 148, 585-598	11.5	5
62	Cardiopulmonary Exercise Testing, Impedance Cardiography, and Reclassification of Risk in Patients Referred for Heart Failure Evaluation. *Journal of Cardiac Failure*, **2019**, 25, 961-968	3.3	4
61	A toolkit for genetics providers in follow-up of patients with non-diagnostic exome sequencing. *Journal of Genetic Counseling*, **2019**, 28, 213-228	2.5	4
60	Right Ventricular Structure and Function in the Veteran Ultramarathon Runner: Is There Evidence for Chronic Maladaptation?. *Journal of the American Society of Echocardiography*, **2018**, 31, 598-605.e1	5.8	4
59	Genetic Reduction in Left Ventricular Protein Kinase C-□and Adverse Ventricular Remodeling in Human Subjects. *Circulation Genomic and Precision Medicine*, **2018**, 11, e001901	5.2	4
58	Genetics of arrhythmia: disease pathways beyond ion channels. *Journal of Cardiovascular Translational Research*, **2008**, 1, 155-65	3.3	4
57	Emerging role of the apelin system in cardiovascular homeostasis. *Biomarkers in Medicine*, **2007**, 1, 37-43	2.3	4
56	A precision metric for clinical genome sequencing		4
55	High-throughput SARS-CoV-2 and host genome sequencing from single nasopharyngeal swabs **2020**,		4
54	Aldehyde dehydrogenase activator attenuates diabetic cardiomyopathy; a role in improving the quality of resident cardiac stem cells?. *FASEB Journal*, **2010**, 24, 572.3	0.9	4
53	Towards precision medicine in heart failure. *Nature Reviews Cardiology*, **2021**, 18, 745-762	14.8	4
52	Disease-specific variant pathogenicity prediction significantly improves variant interpretation in inherited cardiac conditions. *Genetics in Medicine*, **2021**, 23, 69-79	8.1	4
51	Deep Learning Prediction of Biomarkers from Echocardiogram Videos		4
50	Accelerated identification of disease-causing variants with ultra-rapid nanopore genome sequencing.. *Nature Biotechnology*, **2022**,	44.5	4
49	Orexin: a Missing Link Between Sleep Disorders and Heart Failure?. *Current Heart Failure Reports*, **2017**, 14, 100-105	2.8	3
48	A Patient with Sjogren□s Syndrome and Subsequent Diagnosis of Inclusion Body Myositis and Light-Chain Amyloidosis. *Journal of General Internal Medicine*, **2019**, 34, 1058-1062	4	3
47	Rapid Genome Sequencing in the Critically Ill. *Clinical Chemistry*, **2019**, 65, 723-726	5.5	3

46	Acetaminophen or Tylenol? A Retrospective Analysis of Medication Digital Communication Practices. *Journal of General Internal Medicine*, **2018**, 33, 1218-1220	4	3
45	Personalized prediction of adverse heart and kidney events using baseline and longitudinal data from SPRINT and ACCORD. *PLoS ONE*, **2019**, 14, e0219728	3.7	3
44	Establishing disease causality for a novel gene variant in familial dilated cardiomyopathy using a functional in-vitro assay of regulated thin filaments and human cardiac myosin. *BMC Medical Genetics*, **2015**, 16, 97	2.1	3
43	Pharmacogenetics of heart failure: evidence, opportunities, and challenges for cardiovascular pharmacogenomics. *Journal of Cardiovascular Translational Research*, **2008**, 1, 25-36	3.3	3
42	Designing clinically translatable artificial intelligence systems for high-dimensional medical imaging. *Nature Machine Intelligence*, **2021**, 3, 929-935	22.5	3
41	The Next Generation Precision Medical Record - A Framework for Integrating Genomes and Wearable Sensors with Medical Records		3
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