Euan A Ashley

List of Publications by Year
in descending order

232 papers	19,100 citations	16411 64 h-index	14702 127 g-index
252 all docs	252 docs citations	252 times ranked	28311 citing authors

#	Article	IF	Citations
1	Personal Omics Profiling Reveals Dynamic Molecular and Medical Phenotypes. Cell, 2012, 148, 1293-1307.	13.5	1,134
2	Artificial Intelligence in Cardiology. Journal of the American College of Cardiology, 2018, 71, 2668-2679.	1.2	690
3	A long noncoding RNA protects the heart from pathological hypertrophy. Nature, 2014, 514, 102-106.	13.7	672
4	Towards precision medicine. Nature Reviews Genetics, 2016, 17, 507-522.	7.7	651
5	Clinical assessment incorporating a personal genome. Lancet, The, 2010, 375, 1525-1535.	6.3	637
6	Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy. Science Translational Medicine, 2012, 4, 130ra47.	5.8	590
7	Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells. Cell Stem Cell, 2013, 12, 101-113.	5.2	584
8	Deep Learning Automates the Quantitative Analysis of Individual Cells in Live-Cell Imaging Experiments. PLoS Computational Biology, 2016, 12, e1005177.	1.5	429
9	The Precision Medicine Initiative. JAMA - Journal of the American Medical Association, 2015, 313, 2119.	3.8	427
10	Chromatin regulation by Brg1 underlies heart muscle development and disease. Nature, 2010, 466, 62-67.	13.7	426
11	Accuracy in Wrist-Worn, Sensor-Based Measurements of Heart Rate and Energy Expenditure in a Diverse Cohort. Journal of Personalized Medicine, 2017, 7, 3.	1.1	420
12	Clinical Interpretation and Implications of Whole-Genome Sequencing. JAMA - Journal of the American Medical Association, 2014, 311, 1035.	3.8	398
13	Video-based AI for beat-to-beat assessment of cardiac function. Nature, 2020, 580, 252-256.	13.7	393
14	Novel Role for the Potent Endogenous Inotrope Apelin in Human Cardiac Dysfunction. Circulation, 2003, 108, 1432-1439.	1.6	311
15	The endogenous peptide apelin potently improves cardiac contractility and reduces cardiac loading in vivo. Cardiovascular Research, 2005, 65, 73-82.	1.8	298
16	Performance comparison of whole-genome sequencing platforms. Nature Biotechnology, 2012, 30, 78-82.	9.4	281
17	Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease. New England Journal of Medicine, 2018, 379, 2131-2139.	13.9	261
18	Molecular Choreography of Acute Exercise. Cell, 2020, 181, 1112-1130.e16.	13.5	261

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19	Apelin signaling antagonizes Ang II effects in mouse models of atherosclerosis. Journal of Clinical Investigation, 2008, 118, 3343-54.	3.9	253
20	Deep learning interpretation of echocardiograms. Npj Digital Medicine, 2020, 3, 10.	5.7	233
21	Identification of rare-disease genes using blood transcriptome sequencing and large control cohorts. Nature Medicine, 2019, 25, 911-919.	15.2	221
22	RNA-Seq identifies novel myocardial gene expression signatures of heart failure. Genomics, 2015, 105, 83-89.	1.3	220
23	Challenges in the clinical application of whole-genome sequencing. Lancet, The, 2010, 375, 1749-1751.	6.3	207
24	Feasibility of Obtaining Measures of Lifestyle From a Smartphone App. JAMA Cardiology, 2017, 2, 67.	3.0	207
25	APJ acts as a dual receptor in cardiac hypertrophy. Nature, 2012, 488, 394-398.	13.7	204
26	A public resource facilitating clinical use of genomes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11920-11927.	3.3	194
27	Long-read genome sequencing identifies causal structural variation in a Mendelian disease. Genetics in Medicine, 2018, 20, 159-163.	1.1	189
28	Functional assessment and transplantation of the donor heart after circulatory death. Journal of Heart and Lung Transplantation, 2016, 35, 1443-1452.	0.3	187
29	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.	2.6	181
30	Plasma concentrations of the novel peptide apelin are decreased in patients with chronic heart failure. European Journal of Heart Failure, 2006, 8, 355-360.	2.9	174
31	Endogenous regulation of cardiovascular function by apelin-APJ. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1904-H1913.	1.5	169
32	Effect of Moderate-Intensity Exercise Training on Peak Oxygen Consumption in Patients With Hypertrophic Cardiomyopathy. JAMA - Journal of the American Medical Association, 2017, 317, 1349.	3.8	160
33	Informed Consent. New England Journal of Medicine, 2017, 376, 856-867.	13.9	158
34	Cardiac Nitric Oxide Synthase 1 Regulates Basal and Î²-Adrenergic Contractility in Murine Ventricular Myocytes. Circulation, 2002, 105, 3011-3016.	1.6	155
35	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. Cell, 2020, 181, 1464-1474.	13.5	147
36	Exercise testing in clinical medicine. Lancet, The, 2000, 356, 1592-1597.	6.3	145

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37	Pathway analysis of coronary atherosclerosis. Physiological Genomics, 2005, 23, 103-118.	1.0	144
38	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. American Journal of Human Genetics, 2017, 100, 185-192.	2.6	142
39	Multi-omic profiling reveals widespread dysregulation of innate immunity and hematopoiesis in COVID-19. Journal of Experimental Medicine, 2021, 218, .	4.2	139
40	Cardiovascular disease: The rise of the genetic risk score. PLoS Medicine, 2018, 15, e1002546.	3.9	138
41	Phased Whole-Genome Genetic Risk in a Family Quartet Using a Major Allele Reference Sequence. PLoS Genetics, 2011, 7, e1002280.	1.5	137
42	Apelin prevents aortic aneurysm formation by inhibiting macrophage inflammation. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1329-H1335.	1.5	136
43	A Reference Equation for Normal Standards for VO 2 Max: Analysis from the Fitness Registry and the Importance of Exercise National Database (FRIEND Registry). Progress in Cardiovascular Diseases, 2017, 60, 21-29.	1.6	136
44	Medical implications of technical accuracy in genome sequencing. Genome Medicine, 2016, 8, 24.	3.6	123
45	Clinical Phenotype and Outcome of Hypertrophic Cardiomyopathy Associated With Thin-Filament Gene Mutations. Journal of the American College of Cardiology, 2014, 64, 2589-2600.	1.2	118
46	Ultrarapid Nanopore Genome Sequencing in a Critical Care Setting. New England Journal of Medicine, 2022, 386, 700-702.	13.9	116
47	A guide for the diagnosis of rare and undiagnosed disease: beyond the exome. Genome Medicine, 2022, 14, 23.	3.6	101
48	Multidimensional structure-function relationships in human Î²-cardiac myosin from population-scale genetic variation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6701-6706.	3.3	98
49	The Undiagnosed Diseases Network of the National Institutes of Health. JAMA - Journal of the American Medical Association, 2015, 314, 1797.	3.8	97
50	Athlome Project Consortium: a concerted effort to discover genomic and other â€œomicâ€•markers of athletic performance. Physiological Genomics, 2016, 48, 183-190.	1.0	96
51	Regional Variation in RBM20 Causes a Highly Penetrant Arrhythmogenic Cardiomyopathy. Circulation: Heart Failure, 2019, 12, e005371.	1.6	96
52	Medical relevance of protein-truncating variants across 337,205 individuals in the UK Biobank study. Nature Communications, 2018, 9, 1612.	5.8	95
53	Mobile Health Advances in Physical Activity, Fitness, and Atrial Fibrillation. Journal of the American College of Cardiology, 2018, 71, 2691-2701.	1.2	94
54	De Novo and Rare Variants at Multiple Loci Support the Oligogenic Origins of Atrioventricular Septal Heart Defects. PLoS Genetics, 2016, 12, e1005963.	1.5	92

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55	A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay. Circulation, 2019, 139, 799-811.	1.6	91
56	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.	3.6	90
57	Gene Coexpression Network Topology of Cardiac Development, Hypertrophy, and Failure. Circulation: Cardiovascular Genetics, 2011, 4, 26-35.	5.1	88
58	Biological Insights Into Muscular Strength: Genetic Findings in the UK Biobank. Scientific Reports, 2018, 8, 6451.	1.6	78
59	Genetics and Cardiovascular Disease. Circulation, 2012, 126, 142-157.	1.6	74
60	Signature patterns of gene expression in mouse atherosclerosis and their correlation to human coronary disease. Physiological Genomics, 2005, 22, 213-226.	1.0	73
61	Integrated Polygenic Tool Substantially Enhances Coronary Artery Disease Prediction. Circulation Genomic and Precision Medicine, 2021, 14, e003304.	1.6	73
62	DNA Sequencing. Circulation, 2012, 125, 931-944.	1.6	72
63	Cardiopulmonary Responses and Prognosis in Hypertrophic Cardiomyopathy. JACC: Heart Failure, 2015, 3, 408-418.	1.9	72
64	Prevalence and Progression of Late Gadolinium Enhancement in Children and Adolescents With Hypertrophic Cardiomyopathy. Circulation, 2018, 138, 782-792.	1.6	72
65	Variant Interpretation for Dilated Cardiomyopathy. Circulation Genomic and Precision Medicine, 2020, 13, e002480.	1.6	70
66	Network Analysis of Human In-Stent Restenosis. Circulation, 2006, 114, 2644-2654.	1.6	66
67	Weakly supervised classification of aortic valve malformations using unlabeled cardiac MRI sequences. Nature Communications, 2019, 10, 3111.	5.8	65
68	High-Throughput Precision Phenotyping of Left Ventricular Hypertrophy With Cardiovascular Deep Learning. JAMA Cardiology, 2022, 7, 386.	3.0	63
69	Accuracy of Smartphone Camera Applications for Detecting Atrial Fibrillation. JAMA Network Open, 2020, 3, e202064.	2.8	62
70	Drug Discovery in a Multidimensional World: Systems, Patterns, and Networks. Journal of Cardiovascular Translational Research, 2010, 3, 438-447.	1.1	59
71	Cardiac Structural and Sarcomere Genes Associated With Cardiomyopathy Exhibit Marked Intolerance of Genetic Variation. Circulation: Cardiovascular Genetics, 2012, 5, 602-610.	5.1	59
72	Personalized medicine: hope or hype?. European Heart Journal, 2012, 33, 1564-1570.	1.0	59

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73	Biallelic Mutations in ATP5F1D, which Encodes a Subunit of ATP Synthase, Cause a Metabolic Disorder. American Journal of Human Genetics, 2018, 102, 494-504.	2.6	59
74	Targeting ferroptosis: A novel therapeutic strategy for the treatment of mitochondrial disease-related epilepsy. PLoS ONE, 2019, 14, e0214250.	1.1	59
75	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.	0.8	58
76	Multi-task deep learning for cardiac rhythm detection in wearable devices. Npj Digital Medicine, 2020, 3, 116.	5.7	58
77	Personalized Preventive Medicine: Genetics and the Response to Regular Exercise in Preventive Interventions. Progress in Cardiovascular Diseases, 2015, 57, 337-346.	1.6	57
78	Hypertrophic Cardiomyopathy as a Cause ofÂSudden Cardiac Death in the Young: A Meta-Analysis. American Journal of Medicine, 2016, 129, 486-496.e2.	0.6	57
79	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, 427-432.	1.9	52
80	Cardiovascular Precision Medicine in the Genomics Era. JACC Basic To Translational Science, 2018, 3, 313-326.	1.9	52
81	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.	5.9	52
82	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.	3.3	51
83	SARS-CoV-2 RNAemia Predicts Clinical Deterioration and Extrapulmonary Complications from COVID-19. Clinical Infectious Diseases, 2022, 74, 218-226.	2.9	51
84	Single-nucleus chromatin accessibility profiling highlights regulatory mechanisms of coronary artery disease risk. Nature Genetics, 2022, 54, 804-816.	9.4	51
85	Effect of lossy compression of quality scores on variant calling. Briefings in Bioinformatics, 2017, 18, bbw011.	3.2	50
86	Prevalence and Clinical Correlates of Right Ventricular Dysfunction in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2014, 113, 361-367.	0.7	48
87	Molecular diagnosis of long QT syndrome at 10 days of life by rapid whole genome sequencing. Heart Rhythm, 2014, 11, 1707-1713.	0.3	48
88	Time trajectories in the transcriptomic response to exercise - a meta-analysis. Nature Communications, 2021, 12, 3471.	5.8	48
89	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.	0.7	48
90	Spatial and Functional Distribution of MYBPC3 Pathogenic Variants and Clinical Outcomes in Patients With Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2020, 13, 396-405.	1.6	47

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91	Achieving high-sensitivity for clinical applications using augmented exome sequencing. Genome Medicine, 2015, 7, 71.	3.6	46
92	Incident Atrial Fibrillation Is Associated With MYH7 Sarcomeric Gene Variation in Hypertrophic Cardiomyopathy. Circulation: Heart Failure, 2018, 11, e005191.	1.6	46
93	Accelerated identification of disease-causing variants with ultra-rapid nanopore genome sequencing. Nature Biotechnology, 2022, 40, 1035-1041.	9.4	45
94	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.	1.1	44
95	Physical activity, sleep and cardiovascular health data for 50,000 individuals from the MyHeart Counts Study. Scientific Data, 2019, 6, 24.	2.4	43
96	Phenotypic Expression, Natural History, and Risk Stratification of Cardiomyopathy Caused by Filamin C Truncating Variants. Circulation, 2021, 144, 1600-1611.	1.6	43
97	Worldwide differences in primary prevention implantable cardioverter defibrillator utilization and outcomes in hypertrophic cardiomyopathy. European Heart Journal, 2021, 42, 3932-3944.	1.0	43
98	Care in Specialized Centers and Data Sharing Increase Agreement in Hypertrophic Cardiomyopathy Genetic Test Interpretation. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	42
99	Yield of whole exome sequencing in undiagnosed patients facing insurance coverage barriers to genetic testing. Journal of Genetic Counseling, 2019, 28, 1107-1118.	0.9	42
100	Angiotensin-Converting Enzyme Genotype Predicts Cardiac and Autonomic Responses to Prolonged Exercise. Journal of the American College of Cardiology, 2006, 48, 523-531.	1.2	41
101	The Medical Genome Initiative: moving whole-genome sequencing for rare disease diagnosis to the clinic. Genome Medicine, 2020, 12, 48.	3.6	40
102	A neural network approach to predicting outcomes in heart failure using cardiopulmonary exercise testing. International Journal of Cardiology, 2014, 171, 265-269.	0.8	39
103	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.	3.3	39
104	Disease-specific variant pathogenicity prediction significantly improves variant interpretation in inherited cardiac conditions. Genetics in Medicine, 2021, 23, 69-79.	1.1	39
105	Oxido-reductive regulation of vascular remodeling by receptor tyrosine kinase ROS1. Journal of Clinical Investigation, 2014, 124, 5159-5174.	3.9	38
106	Patterns and prognosis of all components of the J-wave pattern in multiethnic athletes and ambulatory patients. American Heart Journal, 2014, 167, 259-266.	1.2	38
107	A research roadmap for next-generation sequencing informatics. Science Translational Medicine, 2016, 8, 335ps10.	5.8	37
108	Clinical utility of genomic sequencing: a measurement toolkit. Npj Genomic Medicine, 2020, 5, 56.	1.7	37

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109	Load-dependent effects of apelin on murine cardiomyocytes. Progress in Biophysics and Molecular Biology, 2017, 130, 333-343.	1.4	36
110	Apelin Enhances Directed Cardiac Differentiation of Mouse and Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e38328.	1.1	36
111	A Rapid, High-Quality, Cost-Effective, Comprehensive and Expandable Targeted Next-Generation Sequencing Assay for Inherited Heart Diseases. Circulation Research, 2015, 117, 603-611.	2.0	34
112	Towards precision medicine in heart failure. Nature Reviews Cardiology, 2021, 18, 745-762.	6.1	34
113	Next-Generation Sequencing in Cardiovascular Disease. Circulation, 2017, 135, 406-409.	1.6	33
114	Patient-Specific Induced Pluripotent Stem Cells Implicate Intrinsic Impaired Contractility in Hypoplastic Left Heart Syndrome. Circulation, 2020, 142, 1605-1608.	1.6	33
115	Mechanisms of exercise intolerance in patients with hypertrophic cardiomyopathy. American Heart Journal, 2009, 158, e27-e34.	1.2	32
116	Systems-Based Approaches to Cardiovascular Biomarker Discovery. Circulation: Cardiovascular Genetics, 2012, 5, 360-367.	5.1	32
117	Systems Genomics Identifies a Key Role forÂHypocretin/Orexin Receptor-2 in Human Heart Failure. Journal of the American College of Cardiology, 2015, 66, 2522-2533.	1.2	31
118	Long-term outcomes of septal reduction for obstructive hypertrophic cardiomyopathy. Journal of Cardiology, 2015, 66, 57-62.	0.8	30
119	Gender Differences in Ventricular Remodeling andÂFunction in College Athletes, Insights from Lean Body Mass Scaling and Deformation Imaging. American Journal of Cardiology, 2015, 116, 1610-1616.	0.7	30
120	Silencing of MYH7 ameliorates disease phenotypes in human iPSC-cardiomyocytes. Physiological Genomics, 2020, 52, 293-303.	1.0	29
121	Designing clinically translatable artificial intelligence systems for high-dimensional medical imaging. Nature Machine Intelligence, 2021, 3, 929-935.	8.3	29
122	Randomized Trial of Personal Genomics for Preventive Cardiology. Circulation: Cardiovascular Genetics, 2012, 5, 368-376.	5.1	28
123	Using â€œBig Dataâ€•to Dissect Clinical Heterogeneity. Circulation, 2015, 131, 232-233.	1.6	28
124	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.	1.5	28
125	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.	1.2	26
126	Sports genetics moving forward: lessons learned from medical research. Physiological Genomics, 2016, 48, 175-182.	1.0	26

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127	Allele-Specific Silencing Ameliorates Restrictive Cardiomyopathy Attributable to a Human Myosin Regulatory Light Chain Mutation. Circulation, 2019, 140, 765-778.	1.6	26
128	A New Era in Clinical Genetic Testing for Hypertrophic Cardiomyopathy. Journal of Cardiovascular Translational Research, 2009, 2, 381-391.	1.1	25
129	Comparison of left ventricular manual versus automated derived longitudinal strain: implications for clinical practice and research. International Journal of Cardiovascular Imaging, 2016, 32, 429-437.	0.7	25
130	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.	0.6	25
131	The genetics of human performance. Nature Reviews Genetics, 2022, 23, 40-54.	7.7	25
132	Deep learning evaluation of biomarkers from echocardiogram videos. EBioMedicine, 2021, 73, 103613.	2.7	25
133	Comparison of QT Interval Measurement Methods and Correction Formulas in Atrial Fibrillation. American Journal of Cardiology, 2019, 123, 1822-1827.	0.7	24
134	Combining Clinical and Polygenic Risk Improves Stroke Prediction Among Individuals With Atrial Fibrillation. Circulation Genomic and Precision Medicine, 2021, 14, e003168.	1.6	24
135	European Heart Rhythm Association (<scp>EHRA</scp>)/Heart Rhythm Society (<scp>HRS</scp>)/Asia Pacific Heart Rhythm Society (<scp>APHRS</scp>)/Latin American Heart Rhythm Society (<scp>LAHRS</scp>) Expert Consensus Statement on the state of genetic testing for cardiac diseases. Journal of Arrhythmia, 2022, 38, 491-553.	0.5	24
136	Sequence to Medical Phenotypes: A Framework for Interpretation of Human Whole Genome DNA Sequence Data. PLoS Genetics, 2015, 11, e1005496.	1.5	23
137	Redox regulation of vascular remodeling. Cellular and Molecular Life Sciences, 2016, 73, 349-363.	2.4	23
138	Classifying Drugs by their Arrhythmogenic Risk Using Machine Learning. Biophysical Journal, 2020, 118, 1165-1176.	0.2	23
139	Cardiopulmonary and Noninvasive Hemodynamic Responses to Exercise Predict Outcomes in Heart Failure. Journal of Cardiac Failure, 2013, 19, 101-107.	0.7	22
140	A Clinical Approach to Inherited Hypertrophy. Circulation: Cardiovascular Genetics, 2013, 6, 118-131.	5.1	22
141	Prevalence and Prognostic Role of Right Ventricular Involvement in Stress-Induced Cardiomyopathy. Journal of Cardiac Failure, 2015, 21, 419-425.	0.7	22
142	Impact of Septal Reduction on Left Atrial Size and Diastole in Hypertrophic Cardiomyopathy. Echocardiography, 2016, 33, 686-694.	0.3	22
143	Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure. Nature Communications, 2019, 10, 2760.	5.8	22
144	Athletic Remodeling in Female College Athletes: The â€œMorganroth Hypothesisâ€•Revisited. Clinical Journal of Sport Medicine, 2019, 29, 224-231.	0.9	20

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145	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.	1.5	20
146	Exercise testing scores as an example of better decisions through science. Medicine and Science in Sports and Exercise, 2002, 34, 1391-1398.	0.2	19
147	Mind the Gap: Current Challenges and Future State of Heart Failure Care. Canadian Journal of Cardiology, 2017, 33, 1434-1449.	0.8	19
148	Cell-Intrinsic Functional Effects of the Î±-Cardiac Myosin Arg-403-Gln Mutation in Familial Hypertrophic Cardiomyopathy. Biophysical Journal, 2012, 102, 2782-2790.	0.2	18
149	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.	1.3	18
150	In Vivo Postâ€“Cardiac Arrest Myocardial Dysfunction Is Supported by Ca ²⁺ /Calmodulin-Dependent Protein Kinase Iiâ€“Mediated Calcium Long-Term Potentiation and Mitigated by Alda-1, an Agonist of Aldehyde Dehydrogenase Type 2. Circulation, 2016, 134, 961-977.	1.6	17
151	Computerized Q wave dimensions in athletes and hypertrophic cardiomyopathy patients. Journal of Electrocardiology, 2015, 48, 362-367.	0.4	16
152	Commonalities across computational workflows for uncovering explanatory variants in undiagnosed cases. Genetics in Medicine, 2021, 23, 1075-1085.	1.1	16
153	Cardiac Imaging of Aortic Valve Area From 34 287 UK Biobank Participants Reveals Novel Genetic Associations and Shared Genetic Comorbidity With Multiple Disease Phenotypes. Circulation Genomic and Precision Medicine, 2020, 13, e003014.	1.6	16
154	A New Approach to Rare Diseases of Children: The Undiagnosed Diseases Network. Journal of Pediatrics, 2018, 196, 291-297.e2.	0.9	15
155	Apelin increases atrial conduction velocity, refractoriness, and prevents inducibility of atrial fibrillation. JCI Insight, 2020, 5, .	2.3	15
156	Diagnosing coronary artery disease in diabetic patients. Diabetes/Metabolism Research and Reviews, 2002, 18, 201-208.	1.7	14
157	Systems biology of heart failure, challenges and hopes. Current Opinion in Cardiology, 2011, 26, 314-321.	0.8	14
158	How does morphology impact on diastolic function in hypertrophic cardiomyopathy? A single centre experience. BMJ Open, 2014, 4, e004814-e004814.	0.8	14
159	Additive prognostic value of a cardiopulmonary exercise test score in patients with heart failure and intermediate risk. International Journal of Cardiology, 2015, 178, 262-264.	0.8	14
160	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.	0.8	14
161	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.	5.7	14
162	A call for an integrated approach to improve efficiency, equity and sustainability in rare disease research in the United States. Nature Genetics, 2022, 54, 219-222.	9.4	14

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163	Genetic Analysis in Cardiovascular Disease. Cardiology in Review, 2011, 19, 81-89.	0.6	13
164	Graphical analysis for phenome-wide causal discovery in genotyped population-scale biobanks. Nature Communications, 2021, 12, 350.	5.8	13
165	Latent Obstruction and Left Atrial Size Are Predictors of Clinical Deterioration Leading to Septal Reduction in Hypertrophic Cardiomyopathy. Journal of Cardiac Failure, 2014, 20, 236-243.	0.7	12
166	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.	0.5	12
167	Targeted Long-Read RNA Sequencing Demonstrates Transcriptional Diversity Driven by Splice-Site Variation in MYBPC3. Circulation Genomic and Precision Medicine, 2019, 12, e002464.	1.6	12
168	Benchmarking workflows to assess performance and suitability of germline variant calling pipelines in clinical diagnostic assays. BMC Bioinformatics, 2021, 22, 85.	1.2	12
169	Preoperative Cardiac Evaluation: Mechanisms, Assessment, and Reduction of Risk. Thoracic Surgery Clinics, 2005, 15, 263-275.	0.4	11
170	Delivering Clinical Grade Sequencing and Genetic Test Interpretation for Cardiovascular Medicine. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	11
171	Cardiopulmonary Exercise Testing, Impedance Cardiography, and Reclassification of Risk in Patients Referred for Heart Failure Evaluation. Journal of Cardiac Failure, 2019, 25, 961-968.	0.7	11
172	A toolkit for genetics providers in followâ€up of patients with nonâ€diagnostic exome sequencing. Journal of Genetic Counseling, 2019, 28, 213-228.	0.9	11
173	Detection of a mosaic CDKL5 deletion and inversion by optical genome mapping ends an exhaustive diagnostic odyssey. Molecular Genetics & Genomic Medicine, 2021, 9, e1665.	0.6	11
174	Identification of a New Target of miR-16, Vacuolar Protein Sorting 4a. PLoS ONE, 2014, 9, e101509.	1.1	10
175	Exploratory insights from the rightâ€sided electrocardiogram following prolonged endurance exercise. European Journal of Sport Science, 2016, 16, 1014-1022.	1.4	10
176	Value of Strain Imaging and Maximal Oxygen Consumption in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2017, 120, 1203-1208.	0.7	10
177	Genetic Reduction in Left Ventricular Protein Kinase C-Î± and Adverse Ventricular Remodeling in Human Subjects. Circulation Genomic and Precision Medicine, 2018, 11, e001901.	1.6	10
178	Defining genotype-phenotype relationships in patients with hypertrophic cardiomyopathy using cardiovascular magnetic resonance imaging. PLoS ONE, 2019, 14, e0217612.	1.1	10
179	Multimodal deep learning enhances diagnostic precision in left ventricular hypertrophy. European Heart Journal Digital Health, 2022, 3, 380-389.	0.7	10
180	A Balanced Look at the Implications of Genomic (and Other â€œOmicsâ€) Testing for Disease Diagnosis and Clinical Care. Genes, 2014, 5, 748-766.	1.0	9

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