Michael J Ackerman

List of Publications by Year
in descending order

345 papers	20,962 citations	10351 72 h-index	13338 130 g-index
348 all docs	348 docs citations	348 times ranked	16936 citing authors

#	Article	IF	Citations
1	Role of chronic continuous intravenous lidocaine in the clinical management of patients with malignant type 3 long QT syndrome. Heart Rhythm, 2022, 19, 81-87.	0.3	3
2	A phenotype-enhanced variant classification framework to decrease the burden of missense variants of uncertain significance in type 1 long QT syndrome. Heart Rhythm, 2022, 19, 435-442.	0.3	12
3	QT prolongation in patients with index evaluation for seizure or epilepsy is predictive of all-cause mortality. Heart Rhythm, 2022, 19, 578-584.	0.3	13
4	Sudden Cardiac Arrest in Sport. Journal of the American College of Cardiology, 2022, 79, 247-249.	1.2	2
5	Experiences of athletes with arrhythmogenic cardiac conditions in returning to play. Heart Rhythm O2, 2022, 3, 133-140.	0.6	6
6	An International Multicenter Cohort Study on Î²-Blockers for the Treatment of Symptomatic Children With Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation, 2022, 145, 333-344.	1.6	28
7	Diagnostic Accuracy of the 12-Lead Electrocardiogram in the First 48 Hours of Life for Newborns of a Parent with Congenital Long QT Syndrome. Heart Rhythm, 2022, , .	0.3	1
8	Genome sequencing in a genetically elusive multigenerational long QT syndrome pedigree identifies a novel LQT2-causative deeply intronic KCNH2 variant. Heart Rhythm, 2022, 19, 998-1007.	0.3	10
9	Electromechanical reciprocity and arrhythmogenesis in long-QT syndrome and beyond. European Heart Journal, 2022, 43, 3018-3028.	1.0	11
10	Exome Sequencing Highlights a Potential Role for Concealed Cardiomyopathies in Youthful Sudden Cardiac Death. Circulation Genomic and Precision Medicine, 2022, 15, CIRCGEN121003497.	1.6	15
11	Cardiac sympathetic denervation in the prevention of genetically mediated life-threatening ventricular arrhythmias. European Heart Journal, 2022, 43, 2096-2102.	1.0	22
12	Red Herring Pathogenic Variants: A Case Report of Premature Ventricular Contraction-Triggered Ventricular Fibrillation with an Incidental Pathogenic LMNA Variant. European Heart Journal - Case Reports, 2022, 6, ytac115.	0.3	0
13	European Heart Rhythm Association (EHRA)/Heart Rhythm Society (HRS)/Asia Pacific Heart Rhythm Society (APHRS)/Latin American Heart Rhythm Society (LAHRS) Expert Consensus Statement on the state of genetic testing for cardiac diseases. Europace, 2022, 24, 1307-1367.	0.7	108
14	European Heart Rhythm Association (EHRA)/Heart Rhythm Society (HRS)/Asia Pacific Heart Rhythm Society (APHRS)/Latin American Heart Rhythm Society (LAHRS) Expert Consensus Statement on the State of Genetic Testing for Cardiac Diseases. Heart Rhythm, 2022, 19, e1-e60.	0.3	78
15	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
16	Right Ventricular Enlargement and Dysfunction Are Associated With Increased All-Cause Mortality in Hypertrophic Cardiomyopathy. Mayo Clinic Proceedings, 2022, , .	1.4	0
17	Sex hormones and repolarization dynamics during the menstrual cycle in women with congenital long QT syndrome. Heart Rhythm, 2022, 19, 1532-1540.	0.3	6
18	Congenital Long QT Syndrome. JACC: Clinical Electrophysiology, 2022, 8, 687-706.	1.3	28

#	Article	IF	Citations
19	Deep Neural Network for Cardiac Magnetic Resonance Image Segmentation. Journal of Imaging, 2022, 8, 149.	1.7	6
20	Acacetin, a Potent Transient Outward Current Blocker, May Be a Novel Therapeutic for KCND3 -Encoded Kv4.3 Gain-of-Function-Associated J-Wave Syndromes. Circulation Genomic and Precision Medicine, 2022, 15, .	1.6	10
21	Two-stage Study of Familial Prostate Cancer by Whole-exome Sequencing and Custom Capture Identifies 10 Novel Genes Associated with the Risk of Prostate Cancer. European Urology, 2021, 79, 353-361.	0.9	28
22	2020 APHRS/HRS expert consensus statement on the investigation of decedents with sudden unexplained death and patients with sudden cardiac arrest, and of their families. Heart Rhythm, 2021, 18, e1-e50.	0.3	151
23	Idiopathic ventricular fibrillation: the ongoing quest for diagnostic refinement. Europace, 2021, 23, 4-10.	0.7	17
24	Cardiac Toxicity of Chloroquine or Hydroxychloroquine in Patients With COVID-19: A Systematic Review and Meta-regression Analysis. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2021, 5, 137-150.	1.2	39
25	Conversion of left atrial volume to diameter for automated estimation of sudden cardiac death risk in hypertrophic cardiomyopathy. Echocardiography, 2021, 38, 183-188.	0.3	6
26	Enhancing rare variant interpretation in inherited arrhythmias through quantitative analysis of consortium disease cohorts and population controls. Genetics in Medicine, 2021, 23, 47-58.	1.1	57
27	Urgent Need for Studies of the Late Effects of SARS-CoV-2 on the Cardiovascular System. Circulation, 2021, 143, 1271-1273.	1.6	15
28	Brugada syndrome and reduced right ventricular outflow tract conduction reserve: a final common pathway?. European Heart Journal, 2021, 42, 1073-1081.	1.0	56
29	Expression defect of the rare variant/Brugada mutation R1512W depends upon the SCN5A splice variant background and can be rescued by mexiletine and the common polymorphism H558R. Channels, 2021, 15, 253-261.	1.5	3
30	Efficacy of intentional permanent atrial pacing in the longâ€term management of congenital long QT syndrome. Journal of Cardiovascular Electrophysiology, 2021, 32, 782-789.	0.8	20
31	Prevalence of SuicideÂAmong Patients With Sudden Deathâ€“Predisposing Genetic Heart Diseases. JACC: Clinical Electrophysiology, 2021, 7, 253-255.	1.3	0
32	Artificial Intelligenceâ€“Enabled Assessment of the Heart Rate Corrected QT Interval Using a Mobile Electrocardiogram Device. Circulation, 2021, 143, 1274-1286.	1.6	75
33	Cadherin 2-Related Arrhythmogenic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2021, 14, e003097.	1.6	21
34	Clinical Impact of Secondary Risk Factors in TTN -Mediated Dilated Cardiomyopathy. Circulation Genomic and Precision Medicine, 2021, 14, e003240.	1.6	10
35	Suppression-Replacement KCNQ1 Gene Therapy for Type 1 Long QT Syndrome. Circulation, 2021, 143, 1411-1425.	1.6	39
36	Precision Medicine Approaches to Cardiac Arrhythmias. Journal of the American College of Cardiology, 2021, 77, 2573-2591.	1.2	10

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37	Myocardial Histopathology in PatientsÂWith Obstructive HypertrophicÂCardiomyopathy. Journal of the American College of Cardiology, 2021, 77, 2159-2170.	1.2	33
38	Genetics and genomics of arrhythmic risk: current and future strategies to prevent sudden cardiac death. Nature Reviews Cardiology, 2021, 18, 774-784.	6.1	15
39	Natural language processing of implantable cardioverter-defibrillator reports in hypertrophic cardiomyopathy: A paradigm for longitudinal device follow-up. Cardiovascular Digital Health Journal, 2021, 2, 264-269.	0.5	1
40	Use of Artificial Intelligence and Deep Neural Networks in Evaluation of Patients With Electrocardiographically Concealed Long QT Syndrome From the Surface 12-Lead Electrocardiogram. JAMA Cardiology, 2021, 6, 532.	3.0	65
41	Development of a Patient-Specific p.D85N-Potassium Voltage-Gated Channel Subfamily E Member 1â€“Induced Pluripotent Stem Cellâ€“Derived Cardiomyocyte Model for Drug-Induced Long QT Syndrome. Circulation Genomic and Precision Medicine, 2021, 14, e003234.	1.6	7
42	A call for training programmes in cardiovascular genomics. Nature Reviews Cardiology, 2021, 18, 539-540.	6.1	4
43	Risk Prediction in Women With Congenital Long QT Syndrome. Journal of the American Heart Association, 2021, 10, e021088.	1.6	7
44	Management of Congenital Long-QT Syndrome: Commentary From the Experts. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009726.	2.1	5
45	Prevalence and potential genetic determinants of young sudden unexplained death victims with suspected arrhythmogenic mitral valve prolapse syndrome. Heart Rhythm O2, 2021, 2, 431-438.	0.6	10
46	Comparison of electrocardiograms (ECG) waveforms and centralized ECG measurements between a simple 6â€lead mobile ECG device and a standard 12â€lead ECG. Annals of Noninvasive Electrocardiology, 2021, 26, e12872.	0.5	14
47	Return-to-Play for Athletes With Long QT Syndrome or Genetic Heart Diseases Predisposing to Sudden Death. Journal of the American College of Cardiology, 2021, 78, 594-604.	1.2	37
48	Detection of hypertrophic cardiomyopathy by an artificial intelligence electrocardiogram in children and adolescents. International Journal of Cardiology, 2021, 340, 42-47.	0.8	35
49	Changes in ion channel expression and function associated with cardiac arrhythmogenic remodeling by Sorbs2. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166247.	1.8	4
50	Confirmation of Cause of Death Via Comprehensive Autopsy and Whole Exome Molecular Sequencing in People With Epilepsy and Sudden Unexpected Death. Journal of the American Heart Association, 2021, 10, e021170.	1.6	9
51	A novel functional variant residing outside the SCN5A-encoded Nav1.5 voltage-sensing domain causes multifocal ectopic Purkinje-related premature contractions. HeartRhythm Case Reports, 2021, 8, 54-59.	0.2	4
52	Implementation of a fully remote randomized clinical trial with cardiac monitoring. Communications Medicine, 2021, 1, .	1.9	4
53	Patient-specific, re-engineered cardiomyocyte model confirms the circumstance-dependent arrhythmia risk associated with the African-specific common SCN5A polymorphism p.S1103Y: Implications for the increased sudden deaths observed in black individuals during the COVID-19 pandemic. Heart Rhythm, 2021, . .	0.3	1
54	De novo mutations in childhood cases of sudden unexplained death that disrupt intracellular Ca ²⁺ regulation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	21

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55	Utilization of the genome aggregation database, in silico tools, and heterologous expression patch-clamp studies to identify and demote previously published type 2 long QT syndrome: Causative variants from pathogenic to likely benign. Heart Rhythm, 2020, 17, 315-323.	0.3	1
56	Mothers with long QT syndrome are at increased risk for fetal death: findings from a multicenter international study. American Journal of Obstetrics and Gynecology, 2020, 222, 263.e1-263.e11.	0.7	34
57	Identification of a Novel Homozygous Multi-Exon Duplication in RYR2 Among Children With Exertion-Related Unexplained Sudden Deaths in the Amish Community. JAMA Cardiology, 2020, 5, 340.	3.0	17
58	Systematic Review of the Genetics of Sudden Unexpected Death in Epilepsy: Potential Overlap With Sudden Cardiac Death and Arrhythmiaâ€Related Genes. Journal of the American Heart Association, 2020, 9, e012264.	1.6	66
59	Promise and Potential Peril With Lumacaftor for the Trafficking Defective Type 2 Long-QT Syndrome-Causative Variants, p.G604S, p.N633S, and p.R685P, Using Patient-Specific Re-Engineered Cardiomyocytes. Circulation Genomic and Precision Medicine, 2020, 13, 466-475.	1.6	21
60	Inherited cardiac arrhythmias. Nature Reviews Disease Primers, 2020, 6, 58.	18.1	146
61	Genotype Predicts Outcomes in Fetuses and Neonates With Severe Congenital Long QT Syndrome. JACC: Clinical Electrophysiology, 2020, 6, 1561-1570.	1.3	24
62	Prevalence and Phenotypic Correlations of Calmodulinopathy-Causative CALM1-3 Variants Detected in a Multicenter Molecular Autopsy Cohort of Sudden Unexplained Death Victims. Circulation Genomic and Precision Medicine, 2020, 13, e003032.	1.6	3
63	Echocardiography-Guided Risk Stratification for Long QT Syndrome. Journal of the American College of Cardiology, 2020, 76, 2834-2843.	1.2	24
64	An International Multicenter Evaluation of Inheritance Patterns, Arrhythmic Risks, and Underlying Mechanisms ofCASQ2-Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation, 2020, 142, 932-947.	1.6	44
65	The Surgeonâ€™s View of the Left Ventricular Outflow Tract in Congenital Heart Surgery. World Journal for Pediatric & Congenital Heart Surgery, 2020, 11, 595-610.	0.3	6
66	Clinical Utility of a Phenotype-Enhanced MYH7 -Specific Variant Classification Framework in Hypertrophic Cardiomyopathy Genetic Testing. Circulation Genomic and Precision Medicine, 2020, 13, 453-459.	1.6	12
67	Knockout of SORBS2 Protein Disrupts the Structural Integrity of Intercalated Disc and Manifests Features of Arrhythmogenic Cardiomyopathy. Journal of the American Heart Association, 2020, 9, e017055.	1.6	32
68	Patients With Hypertrophic Cardiomyopathy Deemed Genotype Negative Based on Research Grade Genetic Analysis. Circulation Genomic and Precision Medicine, 2020, 13, e003013.	1.6	1
69	Left Cardiac Sympathetic Denervation Monotherapy in Patients With Congenital Long QT Syndrome. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008830.	2.1	26
70	SCN5A Mutation Type and a Genetic Risk Score Associate Variably With Brugada Syndrome Phenotype in SCN5A Families. Circulation Genomic and Precision Medicine, 2020, 13, e002911.	1.6	41
71	Abnormalities in sodium current and calcium homoeostasis as drivers of arrhythmogenesis in hypertrophic cardiomyopathy. Cardiovascular Research, 2020, 116, 1585-1599.	1.8	40
72	Transethnic Genome-Wide Association Study Provides Insights in the Genetic Architecture and Heritability of Long QT Syndrome. Circulation, 2020, 142, 324-338.	1.6	83

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73	Purkinje system hyperexcitability and ventricular arrhythmia risk in type 3 long QT syndrome. Heart Rhythm, 2020, 17, 1768-1776.	0.3	13
74	Corrected QT Intervalâ€“Polygenic Risk Score and Its Contribution to Type 1, Type 2, and Type 3 Long-QT Syndrome in Probands and Genotype-Positive Family Members. Circulation Genomic and Precision Medicine, 2020, 13, e002922.	1.6	21
75	Genetic susceptibility for COVID-19â€“associated sudden cardiac death in African Americans. Heart Rhythm, 2020, 17, 1487-1492.	0.3	71
76	An autoantibody profile detects Brugada syndrome and identifies abnormally expressed myocardial proteins. European Heart Journal, 2020, 41, 2878-2890.	1.0	40
77	Discovery and characterization of a monogenetic insult, caveolin-3-V37L, that precipitated oligo-proteomic perturbations governing repolarization reserve. International Journal of Cardiology, 2020, 319, 71-77.	0.8	2
78	Validation and Disease Risk Assessment of Previously Reported Genome-Wide Genetic Variants Associated With Brugada Syndrome. Circulation Genomic and Precision Medicine, 2020, 13, e002797.	1.6	12
79	Abnormal myocardial expression of SAP97 is associated with arrhythmogenic risk. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1357-H1370.	1.5	13
80	Established Loss-of-Function Variants in ANK2 -Encoded Ankyrin-B Rarely Cause a Concerning Cardiac Phenotype in Humans. Circulation Genomic and Precision Medicine, 2020, 13, e002851.	1.6	5
81	Left cardiac sympathetic denervation reduces skin sympathetic nerve activity in patients with long QT syndrome. Heart Rhythm, 2020, 17, 1639-1645.	0.3	6
82	Phenotype-guided whole genome analysis in a patient with genetically elusive long QT syndrome yields a novel TRDN-encoded triadin pathogenetic substrate for triadin knockout syndrome and reveals a novel primate-specific cardiac TRDN transcript. Heart Rhythm, 2020, 17, 1017-1024.	0.3	10
83	Variant Frequency and Clinical Phenotype Call Into Question the Nature of Minor, Nonsyndromic Long-QT Syndromeâ€“Susceptibility Gene-Disease Associations. Circulation, 2020, 141, 495-497.	1.6	10
84	Prevalence and electrophysiological phenotype of rare SCN5A genetic variants identified in unexplained sudden cardiac arrest survivors. Europace, 2020, 22, 622-631.	0.7	9
85	Detection of Hypertrophic Cardiomyopathy Using a Convolutional Neural Network-Enabled Electrocardiogram. Journal of the American College of Cardiology, 2020, 75, 722-733.	1.2	183
86	Heart Rate Recovery After Exercise Is Associated With Arrhythmic Events in Patients With Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007471.	2.1	10
87	Cardiac Magnetic Resonance Imaging Features in Hypertrophic Cardiomyopathy Diagnosed at <21 Years of Age. American Journal of Cardiology, 2020, 125, 1249-1255.	0.7	8
88	Intentional nontherapy in long QT syndrome. Heart Rhythm, 2020, 17, 1147-1150.	0.3	13
89	Clinical and functional reappraisal of alleged type 5 long QT syndrome: Causative genetic variants in the KCNE1-encoded minK Î²-subunit. Heart Rhythm, 2020, 17, 937-944.	0.3	7
90	An International Multicenter Evaluation of Type 5 Long QT Syndrome. Circulation, 2020, 141, 429-439.	1.6	39

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91	An International, Multicentered, Evidence-Based Reappraisal of Genes Reported to Cause Congenital Long QT Syndrome. Circulation, 2020, 141, 418-428.	1.6	238
92	Urgent Guidance for Navigating and Circumventing the QTc-Prolonging and Torsadogenic Potential of Possible Pharmacotherapies for Coronavirus Disease 19 (COVID-19). Mayo Clinic Proceedings, 2020, 95, 1213-1221.	1.4	332
93	Triadin Knockout Syndrome Is Absent in a Multi-Center Molecular Autopsy Cohort of Sudden Infant Death Syndrome and Sudden Unexplained Death in the Young and Is Extremely Rare in the General Population. Circulation Genomic and Precision Medicine, 2020, 13, e002731.	1.6	4
94	Time to Redefine the Natural History andÂClinical Management of Type 1 Andersen-Tawil Syndrome?. Journal of the American College of Cardiology, 2020, 75, 1785-1787.	1.2	3
95	Marked Up-Regulation of ACE2 in Hearts of Patients With Obstructive Hypertrophic Cardiomyopathy: Implications for SARS-CoV-2â€“Mediated COVID-19. Mayo Clinic Proceedings, 2020, 95, 1354-1368.	1.4	49
96	Molecular characterization of the calcium release channel deficiency syndrome. JCI Insight, 2020, 5, .	2.3	14
97	Acacetin suppresses the electrocardiographic and arrhythmic manifestations of the J wave syndromes. PLoS ONE, 2020, 15, e0242747.	1.1	20
98	Supraventricular tachycardias, conduction disease, and cardiomyopathy in 3 families with the same rare variant in TNNI3K (p.Glu768Lys). Heart Rhythm, 2019, 16, 98-105.	0.3	18
99	Noncardiac genetic predisposition in sudden infant death syndrome. Genetics in Medicine, 2019, 21, 641-649.	1.1	9
100	Type 8 long QT syndrome: pathogenic variants in CACNA1C-encoded Cav1.2 cluster in STAC protein binding site. Europace, 2019, 21, 1725-1732.	0.7	15
101	Findings of Uncertain Significance and a Family History of Sudden Death. Journal of the American College of Cardiology, 2019, 74, 771-773.	1.2	0
102	Evaluation After Sudden Death in the Young. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007453.	2.1	19
103	Pediatric-Onset ArrhythmogenicÂCardiomyopathy. Journal of the American College of Cardiology, 2019, 74, 359-361.	1.2	0
104	QT prolongation in patients with acute leukemia or high-risk myelodysplastic syndrome prescribed antifungal prophylaxis during chemotherapy-induced neutropenia. Leukemia and Lymphoma, 2019, 60, 3512-3520.	0.6	6
105	Left cardiac sympathetic denervation for recurrent ventricular tachyarrhythmias in children with congenital heart disease. HeartRhythm Case Reports, 2019, 5, 392-394.	0.2	5
106	Heritability in genetic heart disease: the role of genetic background. Open Heart, 2019, 6, e000929.	0.9	17
107	Stellate ganglion block and cardiac sympathetic denervation in patients with inappropriate sinus tachycardia. Journal of Cardiovascular Electrophysiology, 2019, 30, 2920-2928.	0.8	12
108	Survival After Myectomy for Obstructive Hypertrophic Cardiomyopathy: What Causes Late Mortality?. Annals of Thoracic Surgery, 2019, 108, 723-729.	0.7	24

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109	Effective Use of Percutaneous Stellate Ganglion Blockade in Patients With Electrical Storm. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007118.	2.1	68
110	In replyâ€"Strategies of Screening for Fabry Disease in Patients With Unexplained Left Ventricular Hypertrophy. Mayo Clinic Proceedings, 2019, 94, 1646.	1.4	1
111	The Effect of Left Cardiac Sympathetic Denervation on Exercise in Patients With Long QT Syndrome. JACC: Clinical Electrophysiology, 2019, 5, 1084-1090.	1.3	3
112	Calmodulin mutations and life-threatening cardiac arrhythmias: insights from the International Calmodulinopathy Registry. European Heart Journal, 2019, 40, 2964-2975.	1.0	116
113	The QT Interval. Circulation, 2019, 139, 2711-2713.	1.6	27
114	Implantable cardioverter-defibrillators in previously undiagnosed patients with catecholaminergic polymorphic ventricular tachycardia resuscitated from sudden cardiac arrest. European Heart Journal, 2019, 40, 2953-2961.	1.0	96
115	Electrophysiologic effects and outcomes of sympatholysis in patients with recurrent ventricular arrhythmia and structural heart disease. Journal of Cardiovascular Electrophysiology, 2019, 30, 1499-1507.	0.8	11
116	2019 HRS expert consensus statement on evaluation, risk stratification, and management of arrhythmogenic cardiomyopathy. Heart Rhythm, 2019, 16, e301-e372.	0.3	494
117	Mexiletine Shortens the QT Interval in Patients With Potassium Channelâ€"Mediated Type 2 Long QT Syndrome. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007280.	2.1	74
118	Assessment and Validation of a Phenotype-Enhanced Variant Classification Framework to Promote or Demote RYR2 Missense Variants of Uncertain Significance. Circulation Genomic and Precision Medicine, 2019, 12, e002510.	1.6	41
119	Is variant pathogenicity in the eye of the beholder? A case of unexplained sudden cardiac arrest highlights the potentially dangerous role of historical rare variant compendia in SCN5A rare variant adjudication. HeartRhythm Case Reports, 2019, 5, 163-168.	0.2	1
120	Single-Cell RNA-Sequencing and Optical Electrophysiology of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Reveal Discordance Between Cardiac Subtype-Associated Gene Expression Patterns and Electrophysiological Phenotypes. Stem Cells and Development, 2019, 28, 659-673.	1.1	34
121	Human Fibrinogen for Maintenance and Differentiation of Induced Pluripotent Stem Cells in Two Dimensions and Three Dimensions. Stem Cells Translational Medicine, 2019, 8, 512-521.	1.6	13
122	Development and Validation of a Deep-Learning Model to Screen for Hyperkalemia From the Electrocardiogram. JAMA Cardiology, 2019, 4, 428.	3.0	188
123	A Novel Truncating Variant in FLNC-Encoded Filamin C May Serve as a Proarrhythmic Genetic Substrate for Arrhythmogenic Bileaflet Mitral Valve Prolapse Syndrome. Mayo Clinic Proceedings, 2019, 94, 906-913.	1.4	48
124	Induced Pluripotent Stem Cellâ€"Derived Cardiomyocytes from a Patient with MYL2-R58Q-Mediated Apical Hypertrophic Cardiomyopathy Show Hypertrophy, Myofibrillar Disarray, and Calcium Perturbations. Journal of Cardiovascular Translational Research, 2019, 12, 394-403.	1.1	28
125	Exercise testing oversights underlie missed and delayed diagnosis of catecholaminergic polymorphic ventricular tachycardia in young sudden cardiac arrest survivors. Heart Rhythm, 2019, 16, 1232-1239.	0.3	30
126	MRAS Variants Cause Cardiomyocyte Hypertrophy in Patient-Specific Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Circulation Genomic and Precision Medicine, 2019, 12, e002648.	1.6	16

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127	Shared Decision Making for Athletes with Cardiovascular Disease: Practical Considerations. Current Sports Medicine Reports, 2019, 18, 76-81.	0.5	33
128	Linking the heart and the brain: Neurodevelopmental disorders in patients with catecholaminergic polymorphic ventricular tachycardia. Heart Rhythm, 2019, 16, 220-228.	0.3	29
129	A pore-localizing CACNA1C-E1115K missense mutation, identified in a patient with idiopathic QT prolongation, bradycardia, and autism spectrum disorder, converts the L-type calcium channel into a hybrid nonselective monovalent cation channel. Heart Rhythm, 2019, 16, 270-278.	0.3	19
130	Prevalence and clinical phenotype of concomitant long QT syndrome and arrhythmogenic bileaflet mitral valve prolapse. International Journal of Cardiology, 2019, 274, 175-178.	0.8	10
131	Plakophilin-2 Truncation Variants in Patients Clinically Diagnosed With Catecholaminergic Polymorphic Ventricular Tachycardia and Decedents With Exercise-Associated Autopsy Negative Sudden Unexplained Death inÂthe Young. JACC: Clinical Electrophysiology, 2019, 5, 120-127.	1.3	39
132	Long QT syndrome caveolinâ€3 mutations differentially modulate K v 4 and Ca v 1.2 channels to contribute to action potential prolongation. Journal of Physiology, 2019, 597, 1531-1551.	1.3	19
133	Cost Efficacy of Î±-Galactosidase A Enzyme Screening for Fabry Disease. Mayo Clinic Proceedings, 2019, 94, 84-88.	1.4	8
134	International Triadin Knockout Syndrome Registry. Circulation Genomic and Precision Medicine, 2019, 12, e002419.	1.6	32
135	Potentially modifiable factors of dofetilide-associated risk of torsades de pointes among hospitalized patients with atrial fibrillation. Journal of Interventional Cardiac Electrophysiology, 2019, 54, 189-196.	0.6	8
136	Return-to-Play for Athletes With Genetic Heart Diseases. Circulation, 2018, 137, 1086-1088.	1.6	24
137	Left Ventricular Isovolumetric Relaxation Time Is Prolonged in Fetal Long-QT Syndrome. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005797.	2.1	22
138	Long QT syndrome type 5-Lite: Defining the clinical phenotype associated with the potentially proarrhythmic p.Asp85Asn-KCNE1 common genetic variant. Heart Rhythm, 2018, 15, 1223-1230.	0.3	21
139	Dysfunction of NaV1.4, a skeletal muscle voltage-gated sodium channel, in sudden infant death syndrome: a case-control study. Lancet, The, 2018, 391, 1483-1492.	6.3	63
140	Yield of the RYR2 Genetic Test in Suspected Catecholaminergic Polymorphic Ventricular Tachycardia and Implications for Test Interpretation. Circulation Genomic and Precision Medicine, 2018, 11, e001424.	1.6	30
141	Classification and Reporting of Potentially Proarrhythmic Common Genetic Variation in Long QT Syndrome Genetic Testing. Circulation, 2018, 137, 619-630.	1.6	72
142	Idiopathic Restrictive Cardiomyopathy in Children and Young Adults. American Journal of Cardiology, 2018, 121, 1266-1270.	0.7	28
143	Even pore-localizing missense variants at highly conserved sites in KCNQ1 -encoded K v 7.1 channels may have wild-type function and not cause type 1 long QT syndrome: Do not rely solely on the genetic test company's interpretation. HeartRhythm Case Reports, 2018, 4, 37-44.	0.2	5
144	Clinical Outcomes and Modes of Death in Timothy Syndrome. JACC: Clinical Electrophysiology, 2018, 4, 459-466.	1.3	36

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145	Using the genome aggregation database, computational pathogenicity prediction tools, and patch clamp heterologous expression studies to demote previously published long QT syndrome type 1 mutations from pathogenic to benign. Heart Rhythm, 2018, 15, 555-561.	0.3	17
146	Platelet Function Analyzer 100 and Brain Natriuretic Peptide as Biomarkers in Obstructive Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2018, 121, 768-774.	0.7	5
147	Beyond the length and look of repolarization: Defining the non-QTc electrocardiographic profiles of patients with congenital long QT syndrome. Heart Rhythm, 2018, 15, 1413-1419.	0.3	18
148	Response by Baggish et al to Letter Regarding Article, â€œCompetitive Sport Participation Among Athletes With Heart Disease: A Call for a Paradigm Shift in Decision Makingâ€• Circulation, 2018, 137, 1988-1989.	1.6	1
149	The genetic architecture of long QT syndrome: A critical reappraisal. Trends in Cardiovascular Medicine, 2018, 28, 453-464.	2.3	100
150	Cardiac Genetic Predisposition in SuddenÂInfant Death Syndrome. Journal of the American College of Cardiology, 2018, 71, 1217-1227.	1.2	66
151	International recommendations for electrocardiographic interpretation in athletes. European Heart Journal, 2018, 39, 1466-1480.	1.0	237
152	Effect of Body Mass Index on Exercise Capacity in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2018, 121, 100-106.	0.7	21
153	Irritable bowel syndrome patients haveSCN5Achannelopathies that lead to decreased Na_V1.5 current and mechanosensitivity. American Journal of Physiology - Renal Physiology, 2018, 314, G494-G503.	1.6	40
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155	Prevalence and Outcome of High-Risk QT Prolongation Recorded in the Emergency Department from an Institution-Wide QT Alert System. Journal of Emergency Medicine, 2018, 54, 8-15.	0.3	23
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