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	Truncations of Titin Causing Dilated Cardiomyopathy. New England Journal of Medicine, 2012, 366, 619-628.	13.9	1,147
2	2017 AHA/ACC/HRS Guideline for Management of Patients With Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death. Journal of the American College of Cardiology, 2018, 72, e91-e220.	1.2	991
3	HRS/EHRA Expert Consensus Statement on the State of Genetic Testing for the Channelopathies and Cardiomyopathies: This document was developed as a partnership between the Heart Rhythm Society (HRS) and the European Heart Rhythm Association (EHRA). Europace, 2011, 13, 1077-1109.	0.7	699
4	2019 HRS expert consensus statement on evaluation, risk stratification, and management of arrhythmogenic cardiomyopathy. Heart Rhythm, 2019, 16, e301-e372.	0.3	494
5	Myosin binding protein C mutations and compound heterozygosity in hypertrophic cardiomyopathy. Journal of the American College of Cardiology, 2004, 44, 1903-1910.	1.2	403
6	Postmortem Molecular Analysis of <EMPH TYPE="ITAL">SCN5A</EMPH> Defects in Sudden Infant Death Syndrome. JAMA - Journal of the American Medical Association, 2001, 286, 2264.	3.8	400
7	New mammalian chloride channel identified by expression cloning. Nature, 1992, 356, 238-241.	13.7	343
8	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
9	Postmortem Long QT Syndrome Genetic Testing for Sudden Unexplained Death in the Young. Journal of the American College of Cardiology, 2007, 49, 240-246.	1.2	327
10	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Heart Rhythm, 2016, 13, e295-e324.	0.3	322
11	International Recommendations for Electrocardiographic Interpretation inÂAthletes. Journal of the American College of Cardiology, 2017, 69, 1057-1075.	1.2	318
12	Left cardiac sympathetic denervation for the treatment of long QT syndrome and catecholaminergic polymorphic ventricular tachycardia using video-assisted thoracic surgery. Heart Rhythm, 2009, 6, 752-759.	0.3	297
13	The long QT syndrome: a transatlantic clinical approach to diagnosis and therapy. European Heart Journal, 2013, 34, 3109-3116.	1.0	282
14	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. Nature Genetics, 2014, 46, 826-836.	9.4	281
15	Ethnic Differences in Cardiac Potassium Channel Variants: Implications for Genetic Susceptibility to Sudden Cardiac Death and Genetic Testing for Congenital Long QT Syndrome. Mayo Clinic Proceedings, 2003, 78, 1479-1487.	1.4	273
16	Spectrum and prevalence of cardiac sodium channel variants among black, white, Asian, and Hispanic individuals: Implications for arrhythmogenic susceptibility and Brugada/long QT syndrome genetic testing. Heart Rhythm, 2004, 1, 600-607.	0.3	273
17	Impact of Genetics on the ClinicalÂManagementÂof Channelopathies. Journal of the American College of Cardiology, 2013, 62, 169-180.	1.2	271
18	Distinguishing Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasiaâ€“Associated Mutations From Background Genetic Noise. Journal of the American College of Cardiology, 2011, 57, 2317-2327.	1.2	269

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19	Targeted Mutational Analysis of the RyR2-Encoded Cardiac Ryanodine Receptor in Sudden Unexplained Death: A Molecular Autopsy of 49 Medical Examiner/Coroner's Cases. Mayo Clinic Proceedings, 2004, 79, 1380-1384.	1.4	253
20	Clinical Management of Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation, 2015, 131, 2185-2193.	1.6	238
21	An International, Multicentered, Evidence-Based Reappraisal of Genes Reported to Cause Congenital Long QT Syndrome. Circulation, 2020, 141, 418-428.	1.6	238
22	International recommendations for electrocardiographic interpretation in athletes. European Heart Journal, 2018, 39, 1466-1480.	1.0	237
23	Not All Beta-Blockers Are Equal in the Management of Long QT Syndrome Types 1 and 2. Journal of the American College of Cardiology, 2012, 60, 2092-2099.	1.2	234
24	Transient outward current (Ito) gain-of-function mutations in the KCND3-encoded Kv4.3 potassium channel and Brugada syndrome. Heart Rhythm, 2011, 8, 1024-1032.	0.3	226
25	Malignant Bileaflet Mitral Valve Prolapse Syndrome in Patients With Otherwise Idiopathic Out-of-Hospital Cardiac Arrest. Journal of the American College of Cardiology, 2013, 62, 222-230.	1.2	224
26	Prevalence and age-dependence of malignant mutations in the beta-myosin heavy chain and troponin t genes in hypertrophic cardiomyopathy. Journal of the American College of Cardiology, 2002, 39, 2042-2048.	1.2	222
27	Development and Validation of a Deep-Learning Model to Screen for Hyperkalemia From the Electrocardiogram. JAMA Cardiology, 2019, 4, 428.	3.0	188
28	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
29	Comprehensive Analysis of the Beta-Myosin Heavy Chain Gene in 389 Unrelated Patients With Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2004, 44, 602-610.	1.2	178
30	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Europace, 2017, 19, euw235.	0.7	172
31	Epinephrine-Induced QT Interval Prolongation: A Gene-Specific Paradoxical Response in Congenital Long QT Syndrome. Mayo Clinic Proceedings, 2002, 77, 413-421.	1.4	170
32	Mutation E169K in Junctophilin-2 Causes Atrial Fibrillation Due to Impaired RyR2 Stabilization. Journal of the American College of Cardiology, 2013, 62, 2010-2019.	1.2	165
33	Genetic purgatory and the cardiac channelopathies: Exposing the variants of uncertain/unknown significance issue. Heart Rhythm, 2015, 12, 2325-2331.	0.3	155
34	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
35	Women with hypertrophic cardiomyopathy have worse survival. European Heart Journal, 2017, 38, 3434-3440.	1.0	147
36	Inherited cardiac arrhythmias. Nature Reviews Disease Primers, 2020, 6, 58.	18.1	146

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37	Sarcomeric Genotyping in Hypertrophic Cardiomyopathy. Mayo Clinic Proceedings, 2005, 80, 463-469.	1.4	145
38	Yield of Genetic Testing in Hypertrophic Cardiomyopathy. Mayo Clinic Proceedings, 2005, 80, 739-744.	1.4	139
39	Characterization of a Phenotype-Based Genetic Test Prediction Score for Unrelated Patients With Hypertrophic Cardiomyopathy. Mayo Clinic Proceedings, 2014, 89, 727-737.	1.4	131
40	Molecular Autopsy of Sudden Unexplained Death in the Young. American Journal of Forensic Medicine and Pathology, 2001, 22, 105-111.	0.4	128
41	Jâ€Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Journal of Arrhythmia, 2016, 32, 315-339.	0.5	125
42	Loss-of-Function of the Voltage-Gated Sodium Channel NaV1.5 (Channelopathies) in Patients With Irritable Bowel Syndrome. Gastroenterology, 2014, 146, 1659-1668.	0.6	120
43	QT Prolongation, Torsades de Pointes, and Psychotropic Medications: A 5-Year Update. Psychosomatics, 2018, 59, 105-122.	2.5	116
44	Calmodulin mutations and life-threatening cardiac arrhythmias: insights from the International Calmodulinopathy Registry. European Heart Journal, 2019, 40, 2964-2975.	1.0	116
45	Sudden Cardiac Death in the Young. Circulation, 2016, 133, 1006-1026.	1.6	115
46	Molecular Diagnosis of the Inherited Long-QT Syndrome in a Woman Who Died after Near-Drowning. New England Journal of Medicine, 1999, 341, 1121-1125.	13.9	113
47	Role of common and rare variants in SCN10A: results from the Brugada syndrome QRS locus gene discovery collaborative study. Cardiovascular Research, 2015, 106, 520-529.	1.8	108
48	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
49	Safety of Sports for Athletes With Implantable Cardioverter-Defibrillators. Circulation, 2017, 135, 2310-2312.	1.6	107
50	MYBPC3 mutations are associated with a reduced super-relaxed state in patients with hypertrophic cardiomyopathy. PLoS ONE, 2017, 12, e0180064.	1.1	106
51	Cardiomyopathic and Channelopathic Causes of Sudden Unexplained Death in Infants and Children. Annual Review of Medicine, 2009, 60, 69-84.	5.0	105
52	Spectrum and Prevalence of CALM1 -, CALM2 -, and CALM3 -Encoded Calmodulin Variants in Long QT Syndrome and Functional Characterization of a Novel Long QT Syndromeâ€"Associated Calmodulin Missense Variant, E141G. Circulation: Cardiovascular Genetics, 2016, 9, 136-146.	5.1	104
53	Videoscopic Left Cardiac Sympathetic Denervation for Patients With Recurrent Ventricular Fibrillation/Malignant Ventricular Arrhythmia Syndromes Besides Congenital Long-QT Syndrome. Circulation: Arrhythmia and Electrophysiology, 2012, 5, 782-788.	2.1	102
54	Sites of Successful Ventricular Fibrillation Ablation in Bileaflet Mitral Valve Prolapse Syndrome. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	2.1	101

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55	The genetic architecture of long QT syndrome: A critical reappraisal. Trends in Cardiovascular Medicine, 2018, 28, 453-464.	2.3	100
56	Echocardiographic-determined septal morphology in Z-disc hypertrophic cardiomyopathy. Biochemical and Biophysical Research Communications, 2006, 351, 896-902.	1.0	99
57	Identification of a metavinculin missense mutation, R975W, associated with both hypertrophic and dilated cardiomyopathyâ˜†. Molecular Genetics and Metabolism, 2006, 87, 169-174.	0.5	97
58	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
59	Left Cardiac Sympathetic Denervation in Long QT Syndrome. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 705-711.	2.1	95
60	CALM3 mutation associated with long QT syndrome. Heart Rhythm, 2015, 12, 419-422.	0.3	95
61	Homozygous/Compound Heterozygous Triadin Mutations Associated With Autosomal-Recessive Long-QT Syndrome and Pediatric Sudden Cardiac Arrest. Circulation, 2015, 131, 2051-2060.	1.6	92
62	Beta-blocker therapy for long QT syndrome and catecholaminergic polymorphic ventricular tachycardia: Are all beta-blockers equivalent?. Heart Rhythm, 2017, 14, e41-e44.	0.3	91
63	A missense mutation in a ubiquitously expressed protein, vinculin, confers susceptibility to hypertrophic cardiomyopathy. Biochemical and Biophysical Research Communications, 2006, 345, 998-1003.	1.0	88
64	Enhanced Classification of Brugada Syndromeâ€“Associated and Long-QT Syndromeâ€“Associated Genetic Variants in the SCN5A -Encoded Na _v 1.5 Cardiac Sodium Channel. Circulation: Cardiovascular Genetics, 2015, 8, 582-595.	5.1	87
65	Whole-Exome Molecular Autopsy After Exertion-Related Sudden Unexplained Death in the Young. Circulation: Cardiovascular Genetics, 2016, 9, 259-265.	5.1	87
66	The Promise and Peril of Precision Medicine. Mayo Clinic Proceedings, 2016, 91, 1606-1616.	1.4	84
67	Outcome of Whole Exome Sequencing for Diagnostic Odyssey Cases of an Individualized Medicine Clinic. Mayo Clinic Proceedings, 2016, 91, 297-307.	1.4	83
68	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
69	Implantable cardioverter defibrillator therapy for congenital long QT syndrome: A single-center experience. Heart Rhythm, 2010, 7, 1616-1622.	0.3	81
70	Contemporary Outcomes in Patients WithÂLong QT Syndrome. Journal of the American College of Cardiology, 2017, 70, 453-462.	1.2	81
71	Novel Timothy syndrome mutation leading to increase in CACNA1C window current. Heart Rhythm, 2015, 12, 211-219.	0.3	79
72	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

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73	Implantable cardioverter-defibrillator use in catecholaminergic polymorphic ventricular tachycardia: A systematic review. Heart Rhythm, 2018, 15, 1791-1799.	0.3	77
74	Identification and Functional Characterization of a Novel CACNA1C -Mediated Cardiac Disorder Characterized by Prolonged QT Intervals With Hypertrophic Cardiomyopathy, Congenital Heart Defects, and Sudden Cardiac Death. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1122-1132.	2.1	76
75	Artificial Intelligenceâ€“Enabled Assessment of the Heart Rate Corrected QT Interval Using a Mobile Electrocardiogram Device. Circulation, 2021, 143, 1274-1286.	1.6	75
76	The Molecular Autopsy: Should the Evaluation Continue After the Funeral?. Pediatric Cardiology, 2012, 33, 461-470.	0.6	74
77	Post-mortem Whole Exome Sequencing with Gene-Specific Analysis for Autopsy-Negative Sudden Unexplained Death in the Young: A Case Series. Pediatric Cardiology, 2015, 36, 768-778.	0.6	74
78	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
79	Classification and Reporting of Potentially Proarrhythmic Common Genetic Variation in Long QT Syndrome Genetic Testing. Circulation, 2018, 137, 619-630.	1.6	72
80	Genetic susceptibility for COVID-19â€“associated sudden cardiac death in African Americans. Heart Rhythm, 2020, 17, 1487-1492.	0.3	71
81	Effective Use of Percutaneous Stellate Ganglion Blockade in Patients With Electrical Storm. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007118.	2.1	68
82	Cardiac Genetic Predisposition in SuddenÂInfant Death Syndrome. Journal of the American College of Cardiology, 2018, 71, 1217-1227.	1.2	66
83	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
84	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
85	Electromechanical window negativity in genotyped long-QT syndrome patients: relation to arrhythmia risk. European Heart Journal, 2015, 36, 179-186.	1.0	63
86	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
87	Novel mutations in the KCND3-encoded Kv4.3 K+ channel associated with autopsy-negative sudden unexplained death. Human Mutation, 2012, 33, 989-997.	1.1	61
88	Sarcomeric genotyping in hypertrophic cardiomyopathy. Mayo Clinic Proceedings, 2005, 80, 463-9.	1.4	60
89	Prevalence and spectrum of electroencephalogram-identified epileptiform activity among patients with long QT syndrome. Heart Rhythm, 2014, 11, 53-57.	0.3	59
90	Bileaflet Mitral Valve Prolapse and Risk of Ventricular Dysrhythmias and Death. Journal of Cardiovascular Electrophysiology, 2016, 27, 463-468.	0.8	59

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91	Competitive Sport Participation Among Athletes With Heart Disease. Circulation, 2017, 136, 1569-1571.	1.6	59
92	Rationale and objectives for ECG screening in infancy. Heart Rhythm, 2014, 11, 2316-2321.	0.3	57
93	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
94	Brugada syndrome and reduced right ventricular outflow tract conduction reserve: a final common pathway?. European Heart Journal, 2021, 42, 1073-1081.	1.0	56
95	State of Postmortem Genetic Testing Known as the Cardiac Channel Molecular Autopsy in the Forensic Evaluation of Unexplained Sudden Cardiac Death in the Young. PACE - Pacing and Clinical Electrophysiology, 2009, 32, S86-9.	0.5	54
96	PLN-encoded phospholamban mutation in a large cohort of hypertrophic cardiomyopathy cases: Summary of the literature and implications for genetic testing. American Heart Journal, 2011, 161, 165-171.	1.2	54
97	Characterization of SEMA3A -Encoded Semaphorin as a Naturally Occurring K v 4.3 Protein Inhibitor and its Contribution to Brugada Syndrome. Circulation Research, 2014, 115, 460-469.	2.0	54
98	Reduction in malignant ventricular arrhythmia and appropriate shocks following surgical correction of bileaflet mitral valve prolapse. Journal of Interventional Cardiac Electrophysiology, 2016, 46, 137-143.	0.6	51
99	Precision Cardiovascular Medicine: State of Genetic Testing. Mayo Clinic Proceedings, 2017, 92, 642-662.	1.4	49
100	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
101	Distinguishing Hypertrophic Cardiomyopathy-Associated Mutations from Background Genetic Noise. Journal of Cardiovascular Translational Research, 2014, 7, 347-361.	1.1	48
102	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
103	Genotype-Phenotype Correlations in Apical Variant Hypertrophic Cardiomyopathy. Congenital Heart Disease, 2015, 10, E139-E145.	0.0	46
104	Whole exome sequencing with genomic triangulation implicatesCDH2-encoded N-cadherin as a novel pathogenic substrate for arrhythmogenic cardiomyopathy. Congenital Heart Disease, 2017, 12, 226-235.	0.0	46
105	Obstructive Sleep Apnea in Patients with Congenital Long QT Syndrome: Implications for Increased Risk of Sudden Cardiac Death. Sleep, 2015, 38, 1113-1119.	0.6	45
106	Competitive Sports Participation inÂPatients With Catecholaminergic Polymorphic Ventricular Tachycardia. JACC: Clinical Electrophysiology, 2016, 2, 253-262.	1.3	45
107	Quality of life after videoscopic left cardiac sympathetic denervation in patients with potentially life-threatening cardiac channelopathies/cardiomyopathies. Heart Rhythm, 2016, 13, 62-69.	0.3	45
108	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

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109	A CACNA1C Variant Associated with Reduced Voltage-Dependent Inactivation, Increased CaV1.2 Channel Window Current, and Arrhythmogenesis. PLoS ONE, 2014, 9, e106982.	1.1	43
110	A modifier screen identifies DNAJB6 as a cardiomyopathy susceptibility gene. JCI Insight, 2016, 1, .	2.3	42
111	The effect of mitral valve surgery on ventricular arrhythmia in patients with bileaflet mitral valve prolapse. Indian Pacing and Electrophysiology Journal, 2016, 16, 187-191.	0.3	41
112	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
113	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
114	Novel long QT syndrome-associated missense mutation, L762F, in CACNA1C-encoded L-type calcium channel imparts a slower inactivation tau and increased sustained and window current. International Journal of Cardiology, 2016, 220, 290-298.	0.8	40
115	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
116	Abnormalities in sodium current and calcium homoeostasis as drivers of arrhythmogenesis in hypertrophic cardiomyopathy. Cardiovascular Research, 2020, 116, 1585-1599.	1.8	40
117	An autoantibody profile detects Brugada syndrome and identifies abnormally expressed myocardial proteins. European Heart Journal, 2020, 41, 2878-2890.	1.0	40
118	Safety of Sports for Young Patients With Implantable Cardioverter-Defibrillators. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006305.	2.1	39
119	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
120	An International Multicenter Evaluation of Type 5 Long QT Syndrome. Circulation, 2020, 141, 429-439.	1.6	39
121	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
122	Suppression-Replacement KCNQ1 Gene Therapy for Type 1 Long QT Syndrome. Circulation, 2021, 143, 1411-1425.	1.6	39
123	Evaluation of the Mayo Clinic Phenotype-Based Genotype Predictor Score in Patients with Clinically Diagnosed Hypertrophic Cardiomyopathy. Journal of Cardiovascular Translational Research, 2016, 9, 153-161.	1.1	38
124	Genetic testing for risk stratification in hypertrophic cardiomyopathy and long QT syndrome: fact or fiction?. Current Opinion in Cardiology, 2005, 20, 175-181.	0.8	37
125	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
126	Reduced junctional Na⁺/Ca²⁺-exchanger activity contributes to sarcoplasmic reticulum Ca²⁺ leak in junctophilin-2-deficient mice. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1317-H1326.	1.5	36

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127	Sudden infant death syndrome and inherited cardiac conditions. Nature Reviews Cardiology, 2017, 14, 715-726.	6.1	36
128	Clinical Outcomes and Modes of Death in Timothy Syndrome. JACC: Clinical Electrophysiology, 2018, 4, 459-466.	1.3	36
129	Importance of Variant Interpretation in Whole-Exome Molecular Autopsy. Circulation, 2018, 137, 2705-2715.	1.6	36
130	Genotype-phenotype relationships in congenital long QT syndrome. Journal of Electrocardiology, 2005, 38, 64-68.	0.4	35
131	Cardiac Causes of Sudden Unexpected Death in Children and Their Relationship to Seizures and Syncope: Genetic Testing for Cardiac Electropathies. Seminars in Pediatric Neurology, 2005, 12, 52-58.	1.0	35
132	Is sudden unexplained nocturnal death syndrome in Southern China a cardiac sodium channel dysfunction disorder?. Forensic Science International, 2014, 236, 38-45.	1.3	35
133	Impact of clinical decision support preventing the use of QT-prolonging medications for patients at risk for torsade de pointes. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, e21-e27.	2.2	35
134	Detection of hypertrophic cardiomyopathy by an artificial intelligence electrocardiogram in children and adolescents. International Journal of Cardiology, 2021, 340, 42-47.	0.8	35
135	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
136	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
137	Does Sudden Unexplained Nocturnal Death Syndrome Remain the Autopsy-Negative Disorder: A Gross, Microscopic, and Molecular Autopsy Investigation in Southern China. Mayo Clinic Proceedings, 2016, 91, 1503-1514.	1.4	33
138	Implantable cardioverter-defibrillator explantation for overdiagnosed or overtreated congenital long QT syndrome. Heart Rhythm, 2016, 13, 879-885.	0.3	33
139	Shared Decision Making for Athletes with Cardiovascular Disease: Practical Considerations. Current Sports Medicine Reports, 2019, 18, 76-81.	0.5	33
140	Myocardial Histopathology in PatientsÂWith Obstructive HypertrophicÂCardiomyopathy. Journal of the American College of Cardiology, 2021, 77, 2159-2170.	1.2	33
141	In Vivo Analysis of Troponin C Knock-In (A8V) Mice. Circulation: Cardiovascular Genetics, 2015, 8, 653-664.	5.1	32
142	Role of genetic heart disease in sentinel sudden cardiac arrest survivors across the age spectrum. International Journal of Cardiology, 2018, 270, 214-220.	0.8	32
143	International Triadin Knockout Syndrome Registry. Circulation Genomic and Precision Medicine, 2019, 12, e002419.	1.6	32
144	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

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145	Medicina personalizada: diagnÃ³stico genÃ©tico de cardiopatÃas/canalopatÃas hereditarias. Revista Espanola De Cardiologia, 2013, 66, 298-307.	0.6	31
146	Beta-Blockers in the Treatment of Congenital Long QT Syndrome. Journal of the American College of Cardiology, 2014, 64, 1359-1361.	1.2	31
147	Molecular basis of congenital and acquired long QT syndromes. Journal of Electrocardiology, 2004, 37, 1-6.	0.4	30
148	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
149	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
150	Population-based study of QT interval prolongation in patients with rheumatoid arthritis. Clinical and Experimental Rheumatology, 2015, 33, 84-9.	0.4	30
151	Linking the heart and the brain: Neurodevelopmental disorders in patients with catecholaminergic polymorphic ventricular tachycardia. Heart Rhythm, 2019, 16, 220-228.	0.3	29
152	Obstructive hypertrophic cardiomyopathy is associated with reduced expression of vinculin in the intercalated disc. Biochemical and Biophysical Research Communications, 2006, 349, 709-715.	1.0	28
153	The molecular autopsy: an indispensable step following sudden cardiac death in the young?. Herzschrittmachertherapie Und Elektrophysiologie, 2012, 23, 167-173.	0.3	28
154	The Natural History of Nonobstructive Hypertrophic Cardiomyopathy. Mayo Clinic Proceedings, 2016, 91, 279-287.	1.4	28
155	Channelopathies as Causes of Sudden Cardiac Death. Cardiac Electrophysiology Clinics, 2017, 9, 537-549.	0.7	28
156	Idiopathic Restrictive Cardiomyopathy in Children and Young Adults. American Journal of Cardiology, 2018, 121, 1266-1270.	0.7	28
157	Noninvasive assessment of dofetilide plasma concentration using a deep learning (neural network) analysis of the surface electrocardiogram: A proof of concept study. PLoS ONE, 2018, 13, e0201059.	1.1	28
158	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
159	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
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161	Congenital Long QT Syndrome. JACC: Clinical Electrophysiology, 2022, 8, 687-706.	1.3	28
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