Michael J Ackerman

List of Publications by Citations

317 papers	13,834 citations	61 h-index	108 g-index
348 ext. papers	17,652 ext. citations	6.5 avg, IF	6.75 L-index

#	Paper	IF	Citations
317	Truncations of titin causing dilated cardiomyopathy. *New England Journal of Medicine*, **2012**, 366, 619-28	59.2	874
316	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, 1077-109	3.9	557
315	2017 AHA/ACC/HRS Guideline for Management of Patients With Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart Rhythm Society. *Journal of the American College of Cardiology*, **2018**, 72, e91-e220	15.1	411
314	Myosin binding protein C mutations and compound heterozygosity in hypertrophic cardiomyopathy. *Journal of the American College of Cardiology*, **2004**, 44, 1903-10	15.1	341
313	New mammalian chloride channel identified by expression cloning. *Nature*, **1992**, 356, 238-41	50.4	330
312	Postmortem molecular analysis of SCN5A defects in sudden infant death syndrome. *JAMA - Journal of the American Medical Association*, **2001**, 286, 2264-9	27.4	327
311	Postmortem long QT syndrome genetic testing for sudden unexplained death in the young. *Journal of the American College of Cardiology*, **2007**, 49, 240-6	15.1	279
310	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	6.4	263
309	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, 1479-87	6.4	251
308	2019 HRS expert consensus statement on evaluation, risk stratification, and management of arrhythmogenic cardiomyopathy. *Heart Rhythm*, **2019**, 16, e301-e372	6.7	247
307	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, 752-9	6.7	246
306	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, 600-7	6.7	243
305	Targeted mutational analysis of the RyR2-encoded cardiac ryanodine receptor in sudden unexplained death: a molecular autopsy of 49 medical examiner/coroner cases. *Mayo Clinic Proceedings*, **2004**, 79, 1380-4	6.4	223
304	Impact of genetics on the clinical management of channelopathies. *Journal of the American College of Cardiology*, **2013**, 62, 169-180	15.1	216
303	Distinguishing arrhythmogenic right ventricular cardiomyopathy/dysplasia-associated mutations from background genetic noise. *Journal of the American College of Cardiology*, **2011**, 57, 2317-27	15.1	216
302	The long QT syndrome: a transatlantic clinical approach to diagnosis and therapy. *European Heart Journal*, **2013**, 34, 3109-16	9.5	206
301	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nature Genetics*, **2014**, 46, 826-36	36.3	199

300	Transient outward current (I(to)) gain-of-function mutations in the KCND3-encoded Kv4.3 potassium channel and Brugada syndrome. *Heart Rhythm*, **2011**, 8, 1024-32	6.7	191
299	Prevalence and age-dependence of malignant mutations in the beta-myosin heavy chain and troponin T genes in hypertrophic cardiomyopathy: a comprehensive outpatient perspective. *Journal of the American College of Cardiology*, **2002**, 39, 2042-8	15.1	177
298	Clinical Management of Catecholaminergic Polymorphic Ventricular Tachycardia: The Role of Left Cardiac Sympathetic Denervation. *Circulation*, **2015**, 131, 2185-93	16.7	174
297	International Recommendations for Electrocardiographic Interpretation in Athletes. *Journal of the American College of Cardiology*, **2017**, 69, 1057-1075	15.1	171
296	Not all beta-blockers are equal in the management of long QT syndrome types 1 and 2: higher recurrence of events under metoprolol. *Journal of the American College of Cardiology*, **2012**, 60, 2092-9	15.1	168
295	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. *Heart Rhythm*, **2016**, 13, e295-324	6.7	166
294	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, 602-10	15.1	152
293	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	15.1	147
292	Epinephrine-induced QT interval prolongation: a gene-specific paradoxical response in congenital long QT syndrome. *Mayo Clinic Proceedings*, **2002**, 77, 413-21	6.4	143
291	International recommendations for electrocardiographic interpretation in athletes. *European Heart Journal*, **2018**, 39, 1466-1480	9.5	137
290	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. *Europace*, **2017**, 19, 665-694	3.9	127
289	Mutation E169K in junctophilin-2 causes atrial fibrillation due to impaired RyR2 stabilization. *Journal of the American College of Cardiology*, **2013**, 62, 2010-9	15.1	120
288	Sarcomeric Genotyping in Hypertrophic Cardiomyopathy. *Mayo Clinic Proceedings*, **2005**, 80, 463-469	6.4	118
287	Genetic purgatory and the cardiac channelopathies: Exposing the variants of uncertain/unknown significance issue. *Heart Rhythm*, **2015**, 12, 2325-31	6.7	112
286	Yield of genetic testing in hypertrophic cardiomyopathy. *Mayo Clinic Proceedings*, **2005**, 80, 739-44	6.4	110
285	Molecular autopsy of sudden unexplained death in the young. *American Journal of Forensic Medicine and Pathology*, **2001**, 22, 105-11	1	101
284	Development and Validation of a Deep-Learning Model to Screen for Hyperkalemia From the Electrocardiogram. *JAMA Cardiology*, **2019**, 4, 428-436	16.2	100
283	An International, Multicentered, Evidence-Based Reappraisal of Genes Reported to Cause Congenital Long QT Syndrome. *Circulation*, **2020**, 141, 418-428	16.7	95

282	Molecular diagnosis of the inherited long-QT syndrome in a woman who died after near-drowning. *New England Journal of Medicine*, **1999**, 341, 1121-5	59.2	94
281	Characterization of a phenotype-based genetic test prediction score for unrelated patients with hypertrophic cardiomyopathy. *Mayo Clinic Proceedings*, **2014**, 89, 727-37	6.4	93
280	Loss-of-function of the voltage-gated sodium channel NaV1.5 (channelopathies) in patients with irritable bowel syndrome. *Gastroenterology*, **2014**, 146, 1659-1668	13.3	93
279	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. *Journal of Arrhythmia*, **2016**, 32, 315-339	1.5	90
278	Cardiomyopathic and channelopathic causes of sudden unexplained death in infants and children. *Annual Review of Medicine*, **2009**, 60, 69-84	17.4	89
277	Role of common and rare variants in SCN10A: results from the Brugada syndrome QRS locus gene discovery collaborative study. *Cardiovascular Research*, **2015**, 106, 520-9	9.9	86
276	Women with hypertrophic cardiomyopathy have worse survival. *European Heart Journal*, **2017**, 38, 3434-3440	9.5	85
275	Identification of a metavinculin missense mutation, R975W, associated with both hypertrophic and dilated cardiomyopathy. *Molecular Genetics and Metabolism*, **2006**, 87, 169-74	3.7	85
274	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, 782-8	6.4	83
273	Echocardiographic-determined septal morphology in Z-disc hypertrophic cardiomyopathy. *Biochemical and Biophysical Research Communications*, **2006**, 351, 896-902	3.4	82
272	CALM3 mutation associated with long QT syndrome. *Heart Rhythm*, **2015**, 12, 419-22	6.7	79
271	Spectrum and Prevalence of CALM1-, CALM2-, and CALM3-Encoded Calmodulin Variants in Long QT Syndrome and Functional Characterization of a Novel Long QT Syndrome-Associated Calmodulin Missense Variant, E141G. *Circulation: Cardiovascular Genetics*, **2016**, 9, 136-146		77
270	Left cardiac sympathetic denervation in long QT syndrome: analysis of therapeutic nonresponders. *Circulation: Arrhythmia and Electrophysiology*, **2013**, 6, 705-11	6.4	76
269	A missense mutation in a ubiquitously expressed protein, vinculin, confers susceptibility to hypertrophic cardiomyopathy. *Biochemical and Biophysical Research Communications*, **2006**, 345, 998-1003	3.4	76
268	Safety of Sports for Athletes With Implantable Cardioverter-Defibrillators: Long-Term Results of a Prospective Multinational Registry. *Circulation*, **2017**, 135, 2310-2312	16.7	76
267	Homozygous/Compound Heterozygous Triadin Mutations Associated With Autosomal-Recessive Long-QT Syndrome and Pediatric Sudden Cardiac Arrest: Elucidation of the Triadin Knockout Syndrome. *Circulation*, **2015**, 131, 2051-60	16.7	74
266	QT Prolongation, Torsades de Pointes, and Psychotropic Medications: A 5-Year Update. *Psychosomatics*, **2018**, 59, 105-122	2.6	70
265	Implantable cardioverter defibrillator therapy for congenital long QT syndrome: a single-center experience. *Heart Rhythm*, **2010**, 7, 1616-22	6.7	67

264	MYBPC3 mutations are associated with a reduced super-relaxed state in patients with hypertrophic cardiomyopathy. *PLoS ONE*, **2017**, 12, e0180064	3.7	66
263	Sudden Cardiac Death in the Young. *Circulation*, **2016**, 133, 1006-26	16.7	66
262	Enhanced Classification of Brugada Syndrome-Associated and Long-QT Syndrome-Associated Genetic Variants in the SCN5A-Encoded Na(v)1.5 Cardiac Sodium Channel. *Circulation: Cardiovascular Genetics*, **2015**, 8, 582-95		65
261	Outcome of Whole Exome Sequencing for Diagnostic Odyssey Cases of an Individualized Medicine Clinic: The Mayo Clinic Experience. *Mayo Clinic Proceedings*, **2016**, 91, 297-307	6.4	63
260	Sites of Successful Ventricular Fibrillation Ablation in Bileaflet Mitral Valve Prolapse Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	62
259	Calmodulin mutations and life-threatening cardiac arrhythmias: insights from the International Calmodulinopathy Registry. *European Heart Journal*, **2019**, 40, 2964-2975	9.5	61
258	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, 768-78	2.1	61
257	The Promise and Peril of Precision Medicine: Phenotyping Still Matters Most. *Mayo Clinic Proceedings*, **2016**,	6.4	61
256	Beta-blocker therapy for long QT syndrome and catecholaminergic polymorphic ventricular tachycardia: Are all beta-blockers equivalent?. *Heart Rhythm*, **2017**, 14, e41-e44	6.7	60
255	Novel Timothy syndrome mutation leading to increase in CACNA1C window current. *Heart Rhythm*, **2015**, 12, 211-9	6.7	59
254	The genetic architecture of long QT syndrome: A critical reappraisal. *Trends in Cardiovascular Medicine*, **2018**, 28, 453-464	6.9	58
253	The molecular autopsy: should the evaluation continue after the funeral?. *Pediatric Cardiology*, **2012**, 33, 461-70	2.1	57
252	Whole-Exome Molecular Autopsy After Exertion-Related Sudden Unexplained Death in the Young. *Circulation: Cardiovascular Genetics*, **2016**, 9, 259-65		56
251	Detection of Hypertrophic Cardiomyopathy Using a Convolutional Neural Network-Enabled Electrocardiogram. *Journal of the American College of Cardiology*, **2020**, 75, 722-733	15.1	55
250	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, 1122-32	6.4	54
249	Sarcomeric genotyping in hypertrophic cardiomyopathy. *Mayo Clinic Proceedings*, **2005**, 80, 463-9	6.4	54
248	Implantable cardioverter-defibrillators in previously undiagnosed patients with catecholaminergic polymorphic ventricular tachycardia resuscitated from sudden cardiac arrest. *European Heart Journal*, **2019**, 40, 2953-2961	9.5	53
247	Inherited cardiac arrhythmias. *Nature Reviews Disease Primers*, **2020**, 6, 58	51.1	53

246	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	40	49
245	Contemporary Outcomes in Patients With Long QT Syndrome. *Journal of the American College of Cardiology*, **2017**, 70, 453-462	15.1	48
244	Novel mutations in the KCND3-encoded Kv4.3 K+ channel associated with autopsy-negative sudden unexplained death. *Human Mutation*, **2012**, 33, 989-97	4.7	48
243	Genetic susceptibility for COVID-19-associated sudden cardiac death in African Americans. *Heart Rhythm*, **2020**, 17, 1487-1492	6.7	46
242	Prevalence and spectrum of electroencephalogram-identified epileptiform activity among patients with long QT syndrome. *Heart Rhythm*, **2014**, 11, 53-7	6.7	46
241	Precision Cardiovascular Medicine: State of Genetic Testing. *Mayo Clinic Proceedings*, **2017**, 92, 642-662	6.4	43
240	Classification and Reporting of Potentially Proarrhythmic Common Genetic Variation in Long QT Syndrome Genetic Testing. *Circulation*, **2018**, 137, 619-630	16.7	43
239	Cardiac Genetic Predisposition in Sudden Infant Death Syndrome. *Journal of the American College of Cardiology*, **2018**, 71, 1217-1227	15.1	43
238	Characterization of SEMA3A-encoded semaphorin as a naturally occurring Kv4.3 protein inhibitor and its contribution to Brugada syndrome. *Circulation Research*, **2014**, 115, 460-9	15.7	43
237	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, 165-71	4.9	43
236	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 Suppl 2, S86-9	1.6	43
235	Implantable cardioverter-defibrillator use in catecholaminergic polymorphic ventricular tachycardia: A systematic review. *Heart Rhythm*, **2018**, 15, 1791-1799	6.7	42
234	Mexiletine Shortens the QT Interval in Patients With Potassium Channel-Mediated Type 2 Long QT Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2019**, 12, e007280	6.4	38
233	Rationale and objectives for ECG screening in infancy. *Heart Rhythm*, **2014**, 11, 2316-21	6.7	37
232	Distinguishing hypertrophic cardiomyopathy-associated mutations from background genetic noise. *Journal of Cardiovascular Translational Research*, **2014**, 7, 347-61	3.3	37
231	Electromechanical window negativity in genotyped long-QT syndrome patients: relation to arrhythmia risk. *European Heart Journal*, **2015**, 36, 179-86	9.5	37
230	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	6.7	37
229	Competitive Sport Participation Among Athletes With Heart Disease: A Call for a Paradigm Shift in Decision Making. *Circulation*, **2017**, 136, 1569-1571	16.7	36

228	Whole exome sequencing with genomic triangulation implicates CDH2-encoded N-cadherin as a novel pathogenic substrate for arrhythmogenic cardiomyopathy. *Congenital Heart Disease*, **2017**, 12, 226-235	3.1	35
227	Systematic Review of the Genetics of Sudden Unexpected Death in Epilepsy: Potential Overlap With Sudden Cardiac Death and Arrhythmia-Related Genes. *Journal of the American Heart Association*, **2020**, 9, e012264	6	35
226	Quality of life after videoscopic left cardiac sympathetic denervation in patients with potentially life-threatening cardiac channelopathies/cardiomyopathies. *Heart Rhythm*, **2016**, 13, 62-9	6.7	34
225	Obstructive Sleep Apnea in Patients with Congenital Long QT Syndrome: Implications for Increased Risk of Sudden Cardiac Death. *Sleep*, **2015**, 38, 1113-9	1.1	33
224	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, 52-8	2.9	33
223	Is sudden unexplained nocturnal death syndrome in Southern China a cardiac sodium channel dysfunction disorder?. *Forensic Science International*, **2014**, 236, 38-45	2.6	32
222	Genetic testing for risk stratification in hypertrophic cardiomyopathy and long QT syndrome: fact or fiction?. *Current Opinion in Cardiology*, **2005**, 20, 175-81	2.1	32
221	Genotype-phenotype relationships in congenital long QT syndrome. *Journal of Electrocardiology*, **2005**, 38, 64-8	1.4	32
220	A CACNA1C variant associated with reduced voltage-dependent inactivation, increased CaV1.2 channel window current, and arrhythmogenesis. *PLoS ONE*, **2014**, 9, e106982	3.7	31
219	Marked Up-Regulation of ACE2 in Hearts of Patients With Obstructive Hypertrophic Cardiomyopathy: Implications for SARS-CoV-2-Mediated COVID-19. *Mayo Clinic Proceedings*, **2020**, 95, 1354-1368	6.4	31
218	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, 290-8	3.2	31
217	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, e21-7	8.6	30
216	In Vivo Analysis of Troponin C Knock-In (A8V) Mice: Evidence that TNNC1 Is a Hypertrophic Cardiomyopathy Susceptibility Gene. *Circulation: Cardiovascular Genetics*, **2015**, 8, 653-664		30
215	Implantable cardioverter-defibrillator explantation for overdiagnosed or overtreated congenital long QT syndrome. *Heart Rhythm*, **2016**, 13, 879-85	6.7	29
214	Bileaflet Mitral Valve Prolapse and Risk of Ventricular Dysrhythmias and Death. *Journal of Cardiovascular Electrophysiology*, **2016**, 27, 463-8	2.7	29
213	Evaluation of the Mayo Clinic Phenotype-Based Genotype Predictor Score in Patients with Clinically Diagnosed Hypertrophic Cardiomyopathy. *Journal of Cardiovascular Translational Research*, **2016**, 9, 153-61	2.3	28
212	Medicina personalizada: diagnóstico genético de cardiopatías/canalopatías hereditarias. *Revista Espanola De Cardiologia*, **2013**, 66, 298-307	1.5	28
211	A modifier screen identifies as a cardiomyopathy susceptibility gene. *JCI Insight*, **2016**, 1,	9.9	28

210	Transethnic Genome-Wide Association Study Provides Insights in the Genetic Architecture and Heritability of Long QT Syndrome. *Circulation*, **2020**, 142, 324-338	16.7	27
209	Irritable bowel syndrome patients have SCN5A channelopathies that lead to decreased Na1.5 current and mechanosensitivity. *American Journal of Physiology - Renal Physiology*, **2018**, 314, G494-G503	5.1	27
208	Genotype-Phenotype Correlations in Apical Variant Hypertrophic Cardiomyopathy. *Congenital Heart Disease*, **2015**, 10, E139-45	3.1	26
207	Frequency and severity of hypoglycemia in children with beta-blocker-treated long QT syndrome. *Heart Rhythm*, **2015**, 12, 1815-9	6.7	25
206	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, H1317-26	5.2	25
205	Population-based study of QT interval prolongation in patients with rheumatoid arthritis. *Clinical and Experimental Rheumatology*, **2015**, 33, 84-9	2.2	25
204	Competitive Sports Participation in Patients With Catecholaminergic Polymorphic Ventricular Tachycardia: A Single Center's Early Experience. *JACC: Clinical Electrophysiology*, **2016**, 2, 253-262	4.6	24
203	Reduction in malignant ventricular arrhythmia and appropriate shocks following surgical correction of bileaflet mitral valve prolapse. *Journal of Interventional Cardiac Electrophysiology*, **2016**, 46, 137-43	2.4	24
202	Plakophilin-2 Truncation Variants in Patients Clinically Diagnosed With Catecholaminergic Polymorphic Ventricular Tachycardia and Decedents With Exercise-Associated Autopsy Negative Sudden Unexplained Death in the Young. *JACC: Clinical Electrophysiology*, **2019**, 5, 120-127	4.6	24
201	An autoantibody profile detects Brugada syndrome and identifies abnormally expressed myocardial proteins. *European Heart Journal*, **2020**, 41, 2878-2890	9.5	23
200	Importance of Variant Interpretation in Whole-Exome Molecular Autopsy: Population-Based Case Series. *Circulation*, **2018**, 137, 2705-2715	16.7	23
199	Obstructive hypertrophic cardiomyopathy is associated with reduced expression of vinculin in the intercalated disc. *Biochemical and Biophysical Research Communications*, **2006**, 349, 709-15	3.4	23
198	Pulmonary atresia with ventricular septal defect and persistent airway hyperresponsiveness. *Journal of Thoracic and Cardiovascular Surgery*, **2001**, 122, 169-77	1.5	23
197	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	6.4	22
196	The Natural History of Nonobstructive Hypertrophic Cardiomyopathy. *Mayo Clinic Proceedings*, **2016**, 91, 279-87	6.4	22
195	Sudden infant death syndrome and inherited cardiac conditions. *Nature Reviews Cardiology*, **2017**, 14, 715-726	14.8	22
194	Molecular basis of congenital and acquired long QT syndromes. *Journal of Electrocardiology*, **2004**, 37 Suppl, 1-6	1.4	22
193	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	3.1	21

192	Effective Use of Percutaneous Stellate Ganglion Blockade in Patients With Electrical Storm. *Circulation: Arrhythmia and Electrophysiology*, **2019**, 12, e007118	6.4	20
191	Yield of the Genetic Test in Suspected Catecholaminergic Polymorphic Ventricular Tachycardia and Implications for Test Interpretation. *Circulation Genomic and Precision Medicine*, **2018**, 11, e001424	5.2	20
190	Clinical Outcomes and Modes of Death in Timothy Syndrome: A Multicenter International Study of a Rare Disorder. *JACC: Clinical Electrophysiology*, **2018**, 4, 459-466	4.6	20
189	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	6.4	20
188	Clinical Presentation of Pediatric Patients at Risk for Sudden Cardiac Arrest. *Journal of Pediatrics*, **2016**, 177, 191-196	3.6	20
187	International Triadin Knockout Syndrome Registry. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002419	5.2	20
186	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	5.2	19
185	Channelopathies as Causes of Sudden Cardiac Death. *Cardiac Electrophysiology Clinics*, **2017**, 9, 537-549	1.4	19
184	A KCNQ1 mutation contributes to the concealed type 1 long QT phenotype by limiting the Kv7.1 channel conformational changes associated with protein kinase A phosphorylation. *Heart Rhythm*, **2014**, 11, 459-68	6.7	19
183	The molecular autopsy: an indispensable step following sudden cardiac death in the young?. *Herzschrittmachertherapie Und Elektrophysiologie*, **2012**, 23, 167-73	0.8	19
182	Molecular and functional characterization of a human frataxin mutation found in hypertrophic cardiomyopathy. *Molecular Genetics and Metabolism*, **2005**, 85, 280-5	3.7	19
181	Sudden cardiac death and channelopathies: a review of implantable defibrillator therapy. *Pediatric Clinics of North America*, **2004**, 51, 1289-303	3.6	19
180	Sympathetic nerve activity in the congenital long-QT syndrome. *Circulation*, **2003**, 107, 1844-7	16.7	19
179	Safety of Sports for Young Patients With Implantable Cardioverter-Defibrillators: Long-Term Results of the Multinational ICD Sports Registry. *Circulation: Arrhythmia and Electrophysiology*, **2018**, 11, e006305	6.4	19
178	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	4.4	18
177	Calcium Revisited: New Insights Into the Molecular Basis of Long-QT Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	18
176	TGF□nducible early gene-1 (TIEG1) mutations in hypertrophic cardiomyopathy. *Journal of Cellular Biochemistry*, **2012**, 113, 1896-903	4.7	18
175	Artificial Intelligence-Enabled Assessment of the Heart Rate Corrected QT Interval Using a Mobile Electrocardiogram Device. *Circulation*, **2021**, 143, 1274-1286	16.7	18

174	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	6.4	18
173	Induced Pluripotent Stem Cell-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	3.3	17
172	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	3.7	17
171	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	1.5	17
170	Brugada syndrome and reduced right ventricular outflow tract conduction reserve: a final common pathway?. *European Heart Journal*, **2021**, 42, 1073-1081	9.5	17
169	Role of genetic heart disease in sentinel sudden cardiac arrest survivors across the age spectrum. *International Journal of Cardiology*, **2018**, 270, 214-220	3.2	17
168	Sudden cardiac death in athletes. *BMJ, The*, **2015**, 350, h1218	5.9	16
167	Abnormalities in sodium current and calcium homoeostasis as drivers of arrhythmogenesis in hypertrophic cardiomyopathy. *Cardiovascular Research*, **2020**, 116, 1585-1599	9.9	16
166	Molecular and Functional Characterization of Rare CACNA1C Variants in Sudden Unexplained Death in the Young. *Congenital Heart Disease*, **2016**, 11, 683-692	3.1	16
165	Whole Exome Sequencing and Heterologous Cellular Electrophysiology Studies Elucidate a Novel Loss-of-Function Mutation in the CACNA1A-Encoded Neuronal P/Q-Type Calcium Channel in a Child With Congenital Hypotonia and Developmental Delay. *Pediatric Neurology*, **2016**, 55, 46-51	2.9	16
164	Linking the heart and the brain: Neurodevelopmental disorders in patients with catecholaminergic polymorphic ventricular tachycardia. *Heart Rhythm*, **2019**, 16, 220-228	6.7	16
163	An International Multicenter Evaluation of Type 5 Long QT Syndrome: A Low Penetrant Primary Arrhythmic Condition. *Circulation*, **2020**, 141, 429-439	16.7	15
162	LMNA-Mediated Arrhythmogenic Right Ventricular Cardiomyopathy and Charcot-Marie-Tooth Type 2B1: A Patient-Discovered Unifying Diagnosis. *Journal of Cardiovascular Electrophysiology*, **2016**, 27, 868-71	2.7	15
161	Compound heterozygous mutations in the SCN5A-encoded Nav1.5 cardiac sodium channel resulting in atrial standstill and His-Purkinje system disease. *Journal of Pediatrics*, **2014**, 165, 1050-2	3.6	15
160	Deformation patterns in genotyped patients with hypertrophic cardiomyopathy. *European Heart Journal Cardiovascular Imaging*, **2014**, 15, 456-65	4.1	15
159	Acquired long QT syndrome secondary to cesium chloride supplement. *Journal of Alternative and Complementary Medicine*, **2006**, 12, 1011-4	2.4	15
158	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	6	15
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