Michael J Ackerman

List of Publications by Year in Descending Order

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	Experiences of athletes with arrhythmogenic cardiac conditions in returning to play.. *Heart Rhythm O2*, **2022**, 3, 133-140	1.5	0
316	A novel functional variant residing outside the -encoded Na1.5 voltage-sensing domain causes multifocal ectopic Purkinje-related premature contractions.. *HeartRhythm Case Reports*, **2022**, 8, 54-59	1	0
315	Red herring pathogenic variants: a case report of premature ventricular contraction-triggered ventricular fibrillation with an incidental pathogenic variant.. *European Heart Journal - Case Reports*, **2022**, 6, ytac115	0.9	
314	Congenital Long QT Syndrome.. *JACC: Clinical Electrophysiology*, **2022**, 8, 687-706	4.6	0
313	Deep Neural Network for Cardiac Magnetic Resonance Image Segmentation. *Journal of Imaging*, **2022**, 8, 149	3.1	0
312	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	6	1
311	A phenotype-enhanced variant classification framework to decrease the burden of missense variants of uncertain significance in type 1 long QT syndrome. *Heart Rhythm*, **2021**,	6.7	1
310	Artificial Intelligence-Enabled Assessment of the Heart Rate Corrected QT Interval Using a Mobile Electrocardiogram Device. *Circulation*, **2021**, 143, 1274-1286	16.7	18
309	Cadherin 2-Related Arrhythmogenic Cardiomyopathy: Prevalence and Clinical Features. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003097	5.2	8
308	Clinical Impact of Secondary Risk Factors in -Mediated Dilated Cardiomyopathy. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003240	5.2	4
307	Suppression-Replacement Gene Therapy for Type 1 Long QT Syndrome. *Circulation*, **2021**, 143, 1411-1421	16.7	3
306	Precision Medicine Approaches to Cardiac Arrhythmias: JACC Focus Seminar 4/5. *Journal of the American College of Cardiology*, **2021**, 77, 2573-2591	15.1	3
305	Myocardial Histopathology in Patients With Obstructive Hypertrophic Cardiomyopathy. *Journal of the American College of Cardiology*, **2021**, 77, 2159-2170	15.1	8
304	Genetics and genomics of arrhythmic risk: current and future strategies to prevent sudden cardiac death. *Nature Reviews Cardiology*, **2021**, 18, 774-784	14.8	1
303	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	2	
302	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, 532-538	16.2	14
301	Development of a Patient-Specific p.D85N-Potassium Voltage-Gated Channel Subfamily E Member 1-Induced Pluripotent Stem Cell-Derived Cardiomyocyte Model for Drug-Induced Long QT Syndrome. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003234	5.2	1

300	A call for training programmes in cardiovascular genomics. *Nature Reviews Cardiology*, **2021**, 18, 539-540	14.8	0
299	Risk Prediction in Women With Congenital Long QT Syndrome. *Journal of the American Heart Association*, **2021**, 10, e021088	6	2
298	Management of Congenital Long-QT Syndrome: Commentary From the Experts. *Circulation: Arrhythmia and Electrophysiology*, **2021**, 14, e009726	6.4	2
297	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	10.2	9
296	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
295	Idiopathic ventricular fibrillation: the ongoing quest for diagnostic refinement. *Europace*, **2021**, 23, 4-10	3.9	2
294	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
293	Conversion of left atrial volume to diameter for automated estimation of sudden cardiac death risk in hypertrophic cardiomyopathy. *Echocardiography*, **2021**, 38, 183-188	1.5	2
292	Enhancing rare variant interpretation in inherited arrhythmias through quantitative analysis of consortium disease cohorts and population controls. *Genetics in Medicine*, **2021**, 23, 47-58	8.1	13
291	Urgent Need for Studies of the Late Effects of SARS-CoV-2 on the Cardiovascular System. *Circulation*, **2021**, 143, 1271-1273	16.7	10
290	Brugada syndrome and reduced right ventricular outflow tract conduction reserve: a final common pathway?. *European Heart Journal*, **2021**, 42, 1073-1081	9.5	17
289	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	3	
288	Efficacy of intentional permanent atrial pacing in the long-term management of congenital long QT syndrome. *Journal of Cardiovascular Electrophysiology*, **2021**, 32, 782-789	2.7	9
287	Prevalence of Suicide´Among Patients With Sudden Death-Predisposing Genetic Heart Diseases. *JACC: Clinical Electrophysiology*, **2021**, 7, 253-255	4.6	
286	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	1.5	1
285	Comparison of electrocardiograms (ECG) waveforms and centralized ECG measurements between a simple 6-lead mobile ECG device and a standard 12-lead ECG. *Annals of Noninvasive Electrocardiology*, **2021**, 26, e12872	1.5	3
284	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	15.1	6
283	Detection of hypertrophic cardiomyopathy by an artificial intelligence electrocardiogram in children and adolescents. *International Journal of Cardiology*, **2021**, 340, 42-47	3.2	3

282	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	6.9	0
281	Exome Sequencing Highlights a Potential Role for Concealed Cardiomyopathies in Youthful Sudden Cardiac Death.. *Circulation Genomic and Precision Medicine*, **2021**, CIRCGEN121003497	5.2	0
280	De novo mutations in childhood cases of sudden unexplained death that disrupt intracellular Ca regulation.. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
279	Mutation Type and a Genetic Risk Score Associate Variably With Brugada Syndrome Phenotype in Families. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002911	5.2	13
278	Abnormalities in sodium current and calcium homoeostasis as drivers of arrhythmogenesis in hypertrophic cardiomyopathy. *Cardiovascular Research*, **2020**, 116, 1585-1599	9.9	16
277	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
276	Purkinje system hyperexcitability and ventricular arrhythmia risk in type 3 long QT syndrome. *Heart Rhythm*, **2020**, 17, 1768-1776	6.7	4
275	Corrected QT Interval-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	5.2	8
274	Genetic susceptibility for COVID-19-associated sudden cardiac death in African Americans. *Heart Rhythm*, **2020**, 17, 1487-1492	6.7	46
273	An autoantibody profile detects Brugada syndrome and identifies abnormally expressed myocardial proteins. *European Heart Journal*, **2020**, 41, 2878-2890	9.5	23
272	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	3.2	1
271	Validation and Disease Risk Assessment of Previously Reported Genome-Wide Genetic Variants Associated With Brugada Syndrome: SADS-TW BrS Registry. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002797	5.2	4
270	Abnormal myocardial expression of SAP97 is associated with arrhythmogenic risk. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H1357-H1370	5.2	5
269	Established Loss-of-Function Variants in -Encoded Ankyrin-B Rarely Cause a Concerning Cardiac Phenotype in Humans. *Circulation Genomic and Precision Medicine*, **2020**, 13, e002851	5.2	2
268	Left cardiac sympathetic denervation reduces skin sympathetic nerve activity in patients with long QT syndrome. *Heart Rhythm*, **2020**, 17, 1639-1645	6.7	2
267	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	6.7	5
266	Variant Frequency and Clinical Phenotype Call Into Question the Nature of Minor, Nonsyndromic Long-QT Syndrome-Susceptibility Gene-Disease Associations. *Circulation*, **2020**, 141, 495-497	16.7	7
265	Prevalence and electrophysiological phenotype of rare SCN5A genetic variants identified in unexplained sudden cardiac arrest survivors. *Europace*, **2020**, 22, 622-631	3.9	3

264	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
263	Heart Rate Recovery After Exercise Is Associated With Arrhythmic Events in Patients With Catecholaminergic Polymorphic Ventricular Tachycardia. *Circulation: Arrhythmia and Electrophysiology*, **2020**, 13, e007471	6.4	4
262	Cardiac Magnetic Resonance Imaging Features in Hypertrophic Cardiomyopathy Diagnosed at . *American Journal of Cardiology*, **2020**, 125, 1249-1255	3	3
261	Intentional nontherapy in long QT syndrome. *Heart Rhythm*, **2020**, 17, 1147-1150	6.7	6
260	Clinical and functional reappraisal of alleged type 5 long QT syndrome: Causative genetic variants in the KCNE1-encoded minK β-subunit. *Heart Rhythm*, **2020**, 17, 937-944	6.7	2
259	An International Multicenter Evaluation of Type 5 Long QT Syndrome: A Low Penetrant Primary Arrhythmic Condition. *Circulation*, **2020**, 141, 429-439	16.7	15
258	An International, Multicentered, Evidence-Based Reappraisal of Genes Reported to Cause Congenital Long QT Syndrome. *Circulation*, **2020**, 141, 418-428	16.7	95
257	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
256	Molecular characterization of the calcium release channel deficiency syndrome. *JCI Insight*, **2020**, 5,	9.9	4
255	Acacetin suppresses the electrocardiographic and arrhythmic manifestations of the J wave syndromes. *PLoS ONE*, **2020**, 15, e0242747	3.7	7
254	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
253	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, 13-18	16.2	11
252	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
251	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	5.2	5
250	Inherited cardiac arrhythmias. *Nature Reviews Disease Primers*, **2020**, 6, 58	51.1	53
249	Genotype Predicts Outcomes in Fetuses and Neonates With Severe Congenital Long QT Syndrome. *JACC: Clinical Electrophysiology*, **2020**, 6, 1561-1570	4.6	6
248	Prevalence and Phenotypic Correlations of Calmodulinopathy-Causative Variants Detected in a Multicenter Molecular Autopsy Cohort of Sudden Unexplained Death Victims. *Circulation Genomic and Precision Medicine*, **2020**, 13, e003032	5.2	0
247	Echocardiography-Guided Risk Stratification for Long QT Syndrome. *Journal of the American College of Cardiology*, **2020**, 76, 2834-2843	15.1	10

246	An International Multicenter Evaluation of Inheritance Patterns, Arrhythmic Risks, and Underlying Mechanisms of -Catecholaminergic Polymorphic Ventricular Tachycardia. *Circulation*, **2020**, 142, 932-947	16.7	12
245	The Surgeon's View of the Left Ventricular Outflow Tract in Congenital Heart Surgery. *World Journal for Pediatric & Congenital Heart Surgery*, **2020**, 11, 595-610	1.1	2
244	Clinical Utility of a Phenotype-Enhanced -Specific Variant Classification Framework in Hypertrophic Cardiomyopathy Genetic Testing. *Circulation Genomic and Precision Medicine*, **2020**, 13, 453-459	5.2	6
243	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
242	Patients With Hypertrophic Cardiomyopathy Deemed Genotype Negative Based on Research Grade Genetic Analysis: Time for Repeat Diagnostic Testing With Next-Generation Sequencing. *Circulation Genomic and Precision Medicine*, **2020**, 13, e003013	5.2	
241	Left Cardiac Sympathetic Denervation Monotherapy in Patients With Congenital Long QT Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2020**, 13, e008830	6.4	8
240	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	6.7	1
239	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
238	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	5.2	2
237	Survival After Myectomy for Obstructive Hypertrophic Cardiomyopathy: What Causes Late Mortality?. *Annals of Thoracic Surgery*, **2019**, 108, 723-729	2.7	13
236	Effective Use of Percutaneous Stellate Ganglion Blockade in Patients With Electrical Storm. *Circulation: Arrhythmia and Electrophysiology*, **2019**, 12, e007118	6.4	20
235	In reply-Strategies of Screening for Fabry Disease in Patients With Unexplained Left Ventricular Hypertrophy. *Mayo Clinic Proceedings*, **2019**, 94, 1646	6.4	1
234	The Effect of Left Cardiac Sympathetic Denervation on Exercise in Patients With Long QT Syndrome. *JACC: Clinical Electrophysiology*, **2019**, 5, 1084-1090	4.6	0
233	Calmodulin mutations and life-threatening cardiac arrhythmias: insights from the International Calmodulinopathy Registry. *European Heart Journal*, **2019**, 40, 2964-2975	9.5	61
232	The QT Interval. *Circulation*, **2019**, 139, 2711-2713	16.7	13
231	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
230	Electrophysiologic effects and outcomes of sympatholysis in patients with recurrent ventricular arrhythmia and structural heart disease. *Journal of Cardiovascular Electrophysiology*, **2019**, 30, 1499-1507	2.7	9
229	2019 HRS expert consensus statement on evaluation, risk stratification, and management of arrhythmogenic cardiomyopathy. *Heart Rhythm*, **2019**, 16, e301-e372	6.7	247

228	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
227	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
226	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 rare variant adjudication. *HeartRhythm Case Reports*, **2019**, 5, 163-168	1	1
225	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
224	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	6.9	10
223	Development and Validation of a Deep-Learning Model to Screen for Hyperkalemia From the Electrocardiogram. *JAMA Cardiology*, **2019**, 4, 428-436	16.2	100
222	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
221	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
220	Supraventricular tachycardias, conduction disease, and cardiomyopathy in 3 families with the same rare variant in TNNI3K (p.Glu768Lys). *Heart Rhythm*, **2019**, 16, 98-105	6.7	9
219	Noncardiac genetic predisposition in sudden infant death syndrome. *Genetics in Medicine*, **2019**, 21, 641-649	6.4	6
218	Type 8 long QT syndrome: pathogenic variants in CACNA1C-encoded Cav1.2 cluster in STAC protein binding site. *Europace*, **2019**, 21, 1725-1732	3.9	9
217	Evaluation After Sudden Death in the Young: A Global Approach. *Circulation: Arrhythmia and Electrophysiology*, **2019**, 12, e007453	6.4	10
216	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	1.9	3
215	Left cardiac sympathetic denervation for recurrent ventricular tachyarrhythmias in children with congenital heart disease. *HeartRhythm Case Reports*, **2019**, 5, 392-394	1	2
214	Heritability in genetic heart disease: the role of genetic background. *Open Heart*, **2019**, 6, e000929	3	7
213	Stellate ganglion block and cardiac sympathetic denervation in patients with inappropriate sinus tachycardia. *Journal of Cardiovascular Electrophysiology*, **2019**, 30, 2920-2928	2.7	5
212	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	6.7	15
211	Variants Cause Cardiomyocyte Hypertrophy in Patient-Specific Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Additional Evidence for as a Definitive Noonan Syndrome-Susceptibility Gene. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002648	5.2	5

210	Shared Decision Making for Athletes with Cardiovascular Disease: Practical Considerations. *Current Sports Medicine Reports*, **2019**, 18, 76-81	1.9	12
209	Linking the heart and the brain: Neurodevelopmental disorders in patients with catecholaminergic polymorphic ventricular tachycardia. *Heart Rhythm*, **2019**, 16, 220-228	6.7	16
208	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	6.7	13
207	Prevalence and clinical phenotype of concomitant long QT syndrome and arrhythmogenic bileaflet mitral valve prolapse. *International Journal of Cardiology*, **2019**, 274, 175-178	3.2	4
206	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
205	Long QT syndrome caveolin-3 mutations differentially modulate K 4 and Ca 1.2 channels to contribute to action potential prolongation. *Journal of Physiology*, **2019**, 597, 1531-1551	3.9	11
204	Cost Efficacy of Galactosidase A Enzyme Screening for Fabry Disease. *Mayo Clinic Proceedings*, **2019**, 94, 84-88	6.4	3
203	International Triadin Knockout Syndrome Registry. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002419	5.2	20
202	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	2.4	4
201	Return-to-Play for Athletes With Genetic Heart Diseases. *Circulation*, **2018**, 137, 1086-1088	16.7	12
200	Left Ventricular Isovolumetric Relaxation Time Is Prolonged in Fetal Long-QT Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2018**, 11, e005797	6.4	8
199	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	6.7	13
198	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
197	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
196	Classification and Reporting of Potentially Proarrhythmic Common Genetic Variation in Long QT Syndrome Genetic Testing. *Circulation*, **2018**, 137, 619-630	16.7	43
195	Idiopathic Restrictive Cardiomyopathy in Children and Young Adults. *American Journal of Cardiology*, **2018**, 121, 1266-1270	3	12
194	Even pore-localizing missense variants at highly conserved sites in -encoded K7.1 channels may have wild-type function and not cause type 1 long QT syndrome: Do not rely solely on the genetic test company interpretation. *HeartRhythm Case Reports*, **2018**, 4, 37-44	1	4
193	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

192	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	6.7	11
191	Platelet Function Analyzer 100 and Brain Natriuretic Peptide as Biomarkers in Obstructive Hypertrophic Cardiomyopathy. *American Journal of Cardiology*, **2018**, 121, 768-774	3	5
190	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	6.7	9
189	Response by Baggish et al to Letter Regarding Article, "Competitive Sport Participation Among Athletes With Heart Disease: A Call for a Paradigm Shift in Decision Making". *Circulation*, **2018**, 137, 1988-1989	16.7	
188	The genetic architecture of long QT syndrome: A critical reappraisal. *Trends in Cardiovascular Medicine*, **2018**, 28, 453-464	6.9	58
187	Cardiac Genetic Predisposition in Sudden Infant Death Syndrome. *Journal of the American College of Cardiology*, **2018**, 71, 1217-1227	15.1	43
186	International recommendations for electrocardiographic interpretation in athletes. *European Heart Journal*, **2018**, 39, 1466-1480	9.5	137
185	Effect of Body Mass Index on Exercise Capacity in Patients With Hypertrophic Cardiomyopathy. *American Journal of Cardiology*, **2018**, 121, 100-106	3	12
184	Genetic Testing in Athletes **2018**, 41-74		
183	Wearable cardioverter defibrillators for patients with long QT syndrome. *International Journal of Cardiology*, **2018**, 268, 132-136	3.2	8
182	Implantable cardioverter-defibrillator use in catecholaminergic polymorphic ventricular tachycardia: A systematic review. *Heart Rhythm*, **2018**, 15, 1791-1799	6.7	42
181	Mexiletine rescues a mixed biophysical phenotype of the cardiac sodium channel arising from the SCN5A mutation, N406K, found in LQT3 patients. *Channels*, **2018**, 12, 176-186	3	8
180	Functional Invalidation of Putative Sudden Infant Death Syndrome-Associated Variants in the -Encoded Kv11.1 Channel. *Circulation: Arrhythmia and Electrophysiology*, **2018**, 11, e005859	6.4	3
179	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
178	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
177	Importance of Variant Interpretation in Whole-Exome Molecular Autopsy: Population-Based Case Series. *Circulation*, **2018**, 137, 2705-2715	16.7	23
176	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
175	QT Prolongation, Torsades de Pointes, and Psychotropic Medications: A 5-Year Update. *Psychosomatics*, **2018**, 59, 105-122	2.6	70

174	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	1.5	14
173	Effect of Ascertainment Bias on Estimates of Patient Mortality in Inherited Cardiac Diseases. *Circulation Genomic and Precision Medicine*, **2018**, 11, e001797	5.2	7
172	Exome-Wide Rare Variant Analyses in Sudden Infant Death Syndrome. *Journal of Pediatrics*, **2018**, 203, 423-428.e11	3.6	12
171	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
170	Clinical Significance of Early´Repolarization in Long QT´Syndrome. *JACC: Clinical Electrophysiology*, **2018**, 4, 1238-1244	4.6	1
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	Evaluating the survivor or the relatives of those who do not survive: the role of genetic testing. *Cardiology in the Young*, **2017**, 27, S19-S24	1	6
167	International Recommendations for Electrocardiographic Interpretation in´Athletes. *Journal of the American College of Cardiology*, **2017**, 69, 1057-1075	15.1	171
166	gsSKAT: Rapid gene set analysis and multiple testing correction for rare-variant association studies using weighted linear kernels. *Genetic Epidemiology*, **2017**, 41, 297-308	2.6	5
165	Vectorcardiography identifies patients with electrocardiographically concealed long QT syndrome. *Heart Rhythm*, **2017**, 14, 894-899	6.7	9
164	Lidocaine attenuation testing: An in´vivo investigation of putative LQT3-associated variants in the SCN5A-encoded sodium channel. *Heart Rhythm*, **2017**, 14, 1173-1179	6.7	8
163	Cardiac transplantation in children and adolescents with long QT syndrome. *Heart Rhythm*, **2017**, 14, 1182-1188	6.7	5
162	Precision Cardiovascular Medicine: State of Genetic Testing. *Mayo Clinic Proceedings*, **2017**, 92, 642-662	6.4	43
161	Novel junctophilin-2 mutation A405S is associated with basal septal hypertrophy and diastolic dysfunction. *JACC Basic To Translational Science*, **2017**, 2, 56-67	8.7	14
160	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
159	KCNQ1 p.L353L affects splicing and modifies the phenotype in a founder population with long QT syndrome type 1. *Journal of Medical Genetics*, **2017**, 54, 390-398	5.8	11
158	Women with hypertrophic cardiomyopathy have worse survival. *European Heart Journal*, **2017**, 38, 3434-3440	9.5	85
157	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

156	MYBPC3 mutations are associated with a reduced super-relaxed state in patients with hypertrophic cardiomyopathy. *PLoS ONE*, **2017**, 12, e0180064	3.7	66
155	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. *Europace*, **2017**, 19, 665-694	3.9	127
154	Whole genome sequencing identifies etiology of recurrent male intrauterine fetal death. *Prenatal Diagnosis*, **2017**, 37, 1040-1045	3.2	11
153	Inaccurate diagnosis of Brugada syndrome in a healthy woman based on SCN5A mutation classification. *HeartRhythm Case Reports*, **2017**, 3, 450-454	1	4
152	Sudden infant death syndrome and inherited cardiac conditions. *Nature Reviews Cardiology*, **2017**, 14, 715-726	14.8	22
151	Contemporary Outcomes in Patients With Long QT Syndrome. *Journal of the American College of Cardiology*, **2017**, 70, 453-462	15.1	48
150	Technical Advances for the Clinical Genomic Evaluation of Sudden Cardiac Death: Verification of Next-Generation Sequencing Panels for Hereditary Cardiovascular Conditions Using Formalin-Fixed Paraffin-Embedded Tissues and Dried Blood Spots. *Circulation: Cardiovascular Genetics*, **2017**, 10,		12
149	Channelopathies as Causes of Sudden Cardiac Death. *Cardiac Electrophysiology Clinics*, **2017**, 9, 537-549	1.4	19
148	Architectural T-Wave Analysis and Identification of On-Therapy Breakthrough Arrhythmic Risk in Type 1 and Type 2 Long-QT Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2017**, 10,	6.4	4
147	ECG-derived spatial QRS-T angle is strongly associated with hypertrophic cardiomyopathy. *Journal of Electrocardiology*, **2017**, 50, 195-202	1.4	8
146	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
145	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
144	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
143	Long QT syndrome and life-threatening anaphylaxis: Is epinephrine safe?. *Annals of Allergy, Asthma and Immunology*, **2016**, 117, 444-446	3.2	2
142	Identification of Concealed and Manifest Long QT Syndrome Using a Novel T Wave Analysis Program. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	9
141	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. *Heart Rhythm*, **2016**, 13, e295-324	6.7	166
140	Calcium Revisited: New Insights Into the Molecular Basis of Long-QT Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	18
139	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. *Journal of Arrhythmia*, **2016**, 32, 315-339	1.5	90

138	The Promise and Peril of Precision Medicine: Phenotyping Still Matters Most. *Mayo Clinic Proceedings*, **2016**,	6.4	61
137	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
136	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
135	Whole-Exome Molecular Autopsy After Exertion-Related Sudden Unexplained Death in the Young. *Circulation: Cardiovascular Genetics*, **2016**, 9, 259-65		56
134	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
133	An Association of Hippocampal Malformations and Sudden Death? We Need More Data. *Forensic Science, Medicine, and Pathology*, **2016**, 12, 229-31	1.5	9
132	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
131	Electrocardiographic abnormalities in elite high school athletes: comparison to adolescent hypertrophic cardiomyopathy. *British Journal of Sports Medicine*, **2016**, 50, 105-10	10.3	7
130	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
129	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	3.3	28
128	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
127	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
126	The Natural History of Nonobstructive Hypertrophic Cardiomyopathy. *Mayo Clinic Proceedings*, **2016**, 91, 279-87	6.4	22
125	Sudden Cardiac Death in the Young. *Circulation*, **2016**, 133, 1006-26	16.7	66
124	Implantable cardioverter-defibrillator explantation for overdiagnosed or overtreated congenital long QT syndrome. *Heart Rhythm*, **2016**, 13, 879-85	6.7	29
123	Athletes with implantable cardioverter defibrillators: can they return to competitive sports?. *Heart*, **2016**, 102, 93-4	5.1	
122	A modifier screen identifies as a cardiomyopathy susceptibility gene. *JCI Insight*, **2016**, 1,	9.9	28
121	Post hoc Analysis for Detecting Individual Rare Variant Risk Associations Using Probit Regression Bayesian Variable Selection Methods in Case-Control Sequencing Studies. *Genetic Epidemiology*, **2016**, 40, 461-9	2.6	3

120	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
119	Response to Letters Regarding Article, "Clinical Management of Catecholaminergic Polymorphic Ventricular Tachycardia: The Role of Left Cardiac Sympathetic Denervation". *Circulation*, **2016**, 133, e366-7	16.7	2
118	Bileaflet Mitral Valve Prolapse and Risk of Ventricular Dysrhythmias and Death. *Journal of Cardiovascular Electrophysiology*, **2016**, 27, 463-8	2.7	29
117	Effect of Left Cardiac Sympathetic Denervation on the Electromechanical Window in Patients with either Type 1 or Type 2 Long QT Syndrome: A Pilot Study. *Congenital Heart Disease*, **2016**, 11, 437-443	3.1	6
116	Long QT Syndrome **2016**, 287-302		
115	Letter by Amin et al Regarding Article, "Genetic Modifiers for the Long-QT Syndrome: How Important Is the Role of Variants in the 3Q Untranslated Region of KCNQ1?". *Circulation: Cardiovascular Genetics*, **2016**, 9, 580		2
114	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
113	Sites of Successful Ventricular Fibrillation Ablation in Bileaflet Mitral Valve Prolapse Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	62
112	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
111	Minimally invasive epicardial implantable cardioverter-defibrillator placement for infants and children: An effective alternative to the transvenous approach. *Heart Rhythm*, **2016**, 13, 1905-12	6.7	13
110	Clinical Presentation of Pediatric Patients at Risk for Sudden Cardiac Arrest. *Journal of Pediatrics*, **2016**, 177, 191-196	3.6	20
109	Whole Exome Sequencing, Familial Genomic Triangulation, and Systems Biology Converge to Identify a Novel Nonsense Mutation in TAB2-encoded TGF-beta Activated Kinase 1 in a Child with Polyvalvular Syndrome. *Congenital Heart Disease*, **2016**, 11, 452-461	3.1	10
108	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
107	Genotype-Phenotype Correlations in Apical Variant Hypertrophic Cardiomyopathy. *Congenital Heart Disease*, **2015**, 10, E139-45	3.1	26
106	Frequency and severity of hypoglycemia in children with beta-blocker-treated long QT syndrome. *Heart Rhythm*, **2015**, 12, 1815-9	6.7	25
105	Stimulant therapy in children with attention-deficit/hyperactivity disorder and concomitant long QT syndrome: A safe combination?. *Heart Rhythm*, **2015**, 12, 1807-12	6.7	10
104	Genetic purgatory and the cardiac channelopathies: Exposing the variants of uncertain/unknown significance issue. *Heart Rhythm*, **2015**, 12, 2325-31	6.7	112
103	Hypertrophic Cardiomyopathy, Athlete's Heart, or Both: A Case of Hypertrophic Cardiomyopathy Regression. *Circulation: Cardiovascular Imaging*, **2015**, 8, e003312	3.9	3

102	Sudden cardiac death in athletes. *British Journal of Sports Medicine*, **2015**, 49, 1017-23	10.3	6
101	Athletes with Implantable Cardioverter Defibrillators. *Clinics in Sports Medicine*, **2015**, 34, 473-87	2.6	5
100	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
99	Phenotype of Children with QT Prolongation Identified Using an Institution-Wide QT Alert System. *Pediatric Cardiology*, **2015**, 36, 1350-6	2.1	5
98	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
97	Enhancing the Predictive Power of Mutations in the C-Terminus of the KCNQ1-Encoded Kv7.1 Voltage-Gated Potassium Channel. *Journal of Cardiovascular Translational Research*, **2015**, 8, 187-97	3.3	14
96	Marked, transient, emotion-triggered QT accentuation in an adolescent female with type 1 long QT syndrome. *Cardiology in the Young*, **2015**, 25, 376-9	1	1
95	Sudden cardiac death in athletes. *BMJ, The*, **2015**, 350, h1218	5.9	16
94	Effects on repolarization using dynamic QT interval monitoring in long-QT patients following left cardiac sympathetic denervation. *Journal of Cardiovascular Electrophysiology*, **2015**, 26, 434-439	2.7	9
93	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
92	Frequency and cause of transient QT prolongation after surgery. *American Journal of Cardiology*, **2015**, 116, 1605-9	3	5
91	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
90	Neonatal ECG screening: opinions and facts. *Heart Rhythm*, **2015**, 12, 610-611	6.7	7
89	Sudden cardiac arrest during sex in patients with either catecholaminergic polymorphic ventricular tachycardia or long-QT syndrome: a rare but shocking experience. *Journal of Cardiovascular Electrophysiology*, **2015**, 26, 300-4	2.7	5
88	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
87	Genotype-phenotype Correlations of Hypertrophic Cardiomyopathy When Diagnosed in Children, Adolescents, and Young Adults. *Congenital Heart Disease*, **2015**, 10, 529-36	3.1	13
86	Breath Holding Spells in Children with Long QT Syndrome. *Congenital Heart Disease*, **2015**, 10, 354-61	3.1	6
85	Eccentric apical hypertrophic cardiomyopathy unmasked by multimodality imaging: an uncommon but missed cause of out of hospital cardiac arrest. *BMJ Case Reports*, **2015**, 2015,	0.9	

84	Atypical atrioventricular nodal reentry tachycardia in a child with polyvalvular dysplasia. *Cardiology in the Young*, **2015**, 25, 584-7	1	
83	Clinical Management of Catecholaminergic Polymorphic Ventricular Tachycardia: The Role of Left Cardiac Sympathetic Denervation. *Circulation*, **2015**, 131, 2185-93	16.7	174
82	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
81	Novel Timothy syndrome mutation leading to increase in CACNA1C window current. *Heart Rhythm*, **2015**, 12, 211-9	6.7	59
80	MY APPROACH to treatment of the congenital long QT syndromes. *Trends in Cardiovascular Medicine*, **2015**, 25, 67-9	6.9	9
79	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
78	CALM3 mutation associated with long QT syndrome. *Heart Rhythm*, **2015**, 12, 419-22	6.7	79
77	Electromechanical window negativity in genotyped long-QT syndrome patients: relation to arrhythmia risk. *European Heart Journal*, **2015**, 36, 179-86	9.5	37
76	Automated external defibrillator rescues among children with diagnosed and treated long QT syndrome. *Heart Rhythm*, **2015**, 12, 776-81	6.7	11
75	Arrhythmogenic Biophysical Phenotype for SCN5A Mutation S1787N Depends upon Splice Variant Background and Intracellular Acidosis. *PLoS ONE*, **2015**, 10, e0124921	3.7	14
74	Population-based study of QT interval prolongation in patients with rheumatoid arthritis. *Clinical and Experimental Rheumatology*, **2015**, 33, 84-9	2.2	25
73	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
72	Impact of left ventricular hypertrophy on QT prolongation and associated mortality. *Heart Rhythm*, **2014**, 11, 1957-65	6.7	14
71	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
70	Rationale and objectives for ECG screening in infancy. *Heart Rhythm*, **2014**, 11, 2316-21	6.7	37
69	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
68	Distinguishing hypertrophic cardiomyopathy-associated mutations from background genetic noise. *Journal of Cardiovascular Translational Research*, **2014**, 7, 347-61	3.3	37
67	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nature Genetics*, **2014**, 46, 826-36	36.3	199

66	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
65	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
64	Deformation patterns in genotyped patients with hypertrophic cardiomyopathy. *European Heart Journal Cardiovascular Imaging*, **2014**, 15, 456-65	4.1	15
63	Epilepsy misdiagnosed as long QT syndrome: it can go both ways. *Congenital Heart Disease*, **2014**, 9, E135-9	3.1	9
62	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
61	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
60	Prevalence and spectrum of electroencephalogram-identified epileptiform activity among patients with long QT syndrome. *Heart Rhythm*, **2014**, 11, 53-7	6.7	46
59	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
58	Sudden cardiac arrest in a young patient with hypertrophic cardiomyopathy and zero canonical risk factors: the inherent limitations of risk stratification in hypertrophic cardiomyopathy. *Congenital Heart Disease*, **2014**, 9, E51-7	3.1	4
57	Impact of genetics on the clinical management of channelopathies. *Journal of the American College of Cardiology*, **2013**, 62, 169-180	15.1	216
56	Subclinical cardiomyopathy and long QT syndrome: an echocardiographic observation. *Congenital Heart Disease*, **2013**, 8, 352-9	3.1	14
55	Personalized medicine: genetic diagnosis for inherited cardiomyopathies/channelopathies. *Revista Espanola De Cardiologia (English Ed)*, **2013**, 66, 298-307	0.7	10
54	Left cardiac sympathetic denervation in long QT syndrome: analysis of therapeutic nonresponders. *Circulation: Arrhythmia and Electrophysiology*, **2013**, 6, 705-11	6.4	76
53	The long QT syndrome: a transatlantic clinical approach to diagnosis and therapy. *European Heart Journal*, **2013**, 34, 3109-16	9.5	206
52	Medicina personalizada: diagnóstico genético de cardiopatías/canalopatías hereditarias. *Revista Espanola De Cardiologia*, **2013**, 66, 298-307	1.5	28
51	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
50	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
49	2SDP-04 The nature of myocardial heart failure : Are hypertrophic cardiomyopathies all the same?(2SDP ASB-BSJ Bilateral Symposium 2013,Symposium,The 51th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2013**, 53, S99	0	

48	Call for a sudden cardiac death registry: should reporting of sudden cardiac death be mandatory?. *Pediatric Cardiology*, **2012**, 33, 471-3	2.1	2
47	The molecular autopsy: should the evaluation continue after the funeral?. *Pediatric Cardiology*, **2012**, 33, 461-70	2.1	57
46	The molecular autopsy: an indispensable step following sudden cardiac death in the young?. *Herzschrittmachertherapie Und Elektrophysiologie*, **2012**, 23, 167-73	0.8	19
45	Concealed long QT syndrome and intractable partial epilepsy: a case report. *Mayo Clinic Proceedings* , **2012**, 87, 1128-31	6.4	9
44	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
43	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
42	TGF□nducible early gene-1 (TIEG1) mutations in hypertrophic cardiomyopathy. *Journal of Cellular Biochemistry*, **2012**, 113, 1896-903	4.7	18
41	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
40	Truncations of titin causing dilated cardiomyopathy. *New England Journal of Medicine*, **2012**, 366, 619-28	59.2	874
39	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
38	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
37	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
36	Left ventricular noncompaction syndrome masquerading or misdiagnosed as congenital long QT syndrome: remember QT prolongation does not equal long QT syndrome. *Congenital Heart Disease*, **2011**, 6, 492-8	3.1	2
35	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
34	Left cardiac sympathetic denervation in a pediatric patient with hypertrophic cardiomyopathy and recurrent ventricular fibrillation. *Heart Rhythm*, **2011**, 8, 1591-4	6.7	13
33	Implantable cardioverter defibrillator therapy for congenital long QT syndrome: a single-center experience. *Heart Rhythm*, **2010**, 7, 1616-22	6.7	67
32	Cardiomyopathic and channelopathic causes of sudden unexplained death in infants and children. *Annual Review of Medicine*, **2009**, 60, 69-84	17.4	89
31	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

30	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
29	Mechanical dysfunction in extreme QT prolongation. *Journal of the American Society of Echocardiography*, **2008**, 21, 511.e15-7	5.8	14
28	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
27	Acquired long QT syndrome secondary to cesium chloride supplement. *Journal of Alternative and Complementary Medicine*, **2006**, 12, 1011-4	2.4	15
26	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
25	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
24	Echocardiographic-determined septal morphology in Z-disc hypertrophic cardiomyopathy. *Biochemical and Biophysical Research Communications*, **2006**, 351, 896-902	3.4	82
23	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
22	Yield of genetic testing in hypertrophic cardiomyopathy. *Mayo Clinic Proceedings*, **2005**, 80, 739-44	6.4	110
21	Sarcomeric Genotyping in Hypertrophic Cardiomyopathy. *Mayo Clinic Proceedings*, **2005**, 80, 463-469	6.4	118
20	Molecular and functional characterization of a human frataxin mutation found in hypertrophic cardiomyopathy. *Molecular Genetics and Metabolism*, **2005**, 85, 280-5	3.7	19
19	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
18	Genotype-phenotype relationships in congenital long QT syndrome. *Journal of Electrocardiology*, **2005**, 38, 64-8	1.4	32
17	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
16	Sarcomeric genotyping in hypertrophic cardiomyopathy. *Mayo Clinic Proceedings*, **2005**, 80, 463-9	6.4	54
15	Molecular basis of congenital and acquired long QT syndromes. *Journal of Electrocardiology*, **2004**, 37 Suppl, 1-6	1.4	22
14	Sudden cardiac death and channelopathies: a review of implantable defibrillator therapy. *Pediatric Clinics of North America*, **2004**, 51, 1289-303	3.6	19
13	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, 1380-4	6.4	223

12	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
11	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
10	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
9	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
8	Sympathetic nerve activity in the congenital long-QT syndrome. *Circulation*, **2003**, 107, 1844-7	16.7	19
7	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
6	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
5	Pulmonary atresia with ventricular septal defect and persistent airway hyperresponsiveness. *Journal of Thoracic and Cardiovascular Surgery*, **2001**, 122, 169-77	1.5	23
4	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
3	Molecular autopsy of sudden unexplained death in the young. *American Journal of Forensic Medicine and Pathology*, **2001**, 22, 105-11	1	101
2	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
1	New mammalian chloride channel identified by expression cloning. *Nature*, **1992**, 356, 238-41	50.4	330