Robert M Hamilton

List of Publications by Citations

76 papers	3,882 citations	26 h-index	62 g-index
87 ext. papers	4,725 ext. citations	5.8 avg, IF	4.61 L-index

#	Paper	IF	Citations
76	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). *Heart Rhythm*, **2011**, 8, 1308-39	6.7	737
75	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
74	Outcome of children with fetal, neonatal or childhood diagnosis of isolated congenital atrioventricular block. A single institution's experience of 30 years. *Journal of the American College of Cardiology*, **2002**, 39, 130-7	15.1	271
73	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nature Genetics*, **2014**, 46, 826-36	36.3	199
72	The importance of the level of maternal anti-Ro/SSA antibodies as a prognostic marker of the development of cardiac neonatal lupus erythematosus a prospective study of 186 antibody-exposed fetuses and infants. *Journal of the American College of Cardiology*, **2010**, 55, 2778-84	15.1	180
71	Maternal anti-Ro and anti-La antibody-associated endocardial fibroelastosis. *Circulation*, **2002**, 105, 843-8	16.7	165
70	Arrhythmogenic right ventricular cardiomyopathy: evaluation of the current diagnostic criteria and differential diagnosis. *European Heart Journal*, **2020**, 41, 1414-1429	9.5	110
69	Recommendations for the use of genetic testing in the clinical evaluation of inherited cardiac arrhythmias associated with sudden cardiac death: Canadian Cardiovascular Society/Canadian Heart Rhythm Society joint position paper. *Canadian Journal of Cardiology*, **2011**, 27, 232-45	3.8	108
68	Pediatric nonpost-operative junctional ectopic tachycardia medical management and interventional therapies. *Journal of the American College of Cardiology*, **2009**, 53, 690-7	15.1	103
67	Risk factors for venous obstruction in children with transvenous pacing leads. *PACE - Pacing and Clinical Electrophysiology*, **1997**, 20, 1902-9	1.6	99
66	Long-term outcome and prognostic determinants in children with hypertrophic cardiomyopathy. *Journal of the American College of Cardiology*, **1998**, 32, 1943-50	15.1	99
65	An autoantibody identifies arrhythmogenic right ventricular cardiomyopathy and participates in its pathogenesis. *European Heart Journal*, **2018**, 39, 3932-3944	9.5	70
64	Abnormal connexin43 in arrhythmogenic right ventricular cardiomyopathy caused by plakophilin-2 mutations. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 4219-28	5.6	63
63	Increasing Prevalence of Atrial Fibrillation and Permanent Atrial Arrhythmias in Congenital Heart Disease. *Journal of the American College of Cardiology*, **2017**, 70, 857-865	15.1	62
62	Calmodulin mutations and life-threatening cardiac arrhythmias: insights from the International Calmodulinopathy Registry. *European Heart Journal*, **2019**, 40, 2964-2975	9.5	61
61	Importance of CMR within the Task Force Criteria for the diagnosis of ARVC in children and adolescents. *Journal of the American College of Cardiology*, **2015**, 65, 987-95	15.1	53
60	The clinical and genetic spectrum of catecholaminergic polymorphic ventricular tachycardia: findings from an international multicentre registry. *Europace*, **2018**, 20, 541-547	3.9	51

59	Robotic adherent cell injection for characterizing cell-cell communication. *IEEE Transactions on Biomedical Engineering*, **2015**, 62, 119-25	5	49
58	Thromboprophylaxis for atrial arrhythmias in congenital heart disease: A multicenter study. *International Journal of Cardiology*, **2016**, 223, 729-735	3.2	48
57	Current management of focal atrial tachycardia in children: a multicenter experience. *Circulation: Arrhythmia and Electrophysiology*, **2014**, 7, 664-70	6.4	46
56	Aortic dissection in children and young adults: diagnosis, patients at risk, and outcomes. *Cardiology in the Young*, **2003**, 13, 341-344	1	44
55	Steroid-eluting epicardial leads in pediatrics: improved epicardial thresholds in the first year. *PACE - Pacing and Clinical Electrophysiology*, **1991**, 14, 2066-72	1.6	39
54	Risk factors for lethal arrhythmic events in children and adolescents with hypertrophic cardiomyopathy and an implantable defibrillator: An international multicenter study. *Heart Rhythm*, **2019**, 16, 1462-1467	6.7	35
53	TMEM43 mutations associated with arrhythmogenic right ventricular cardiomyopathy in non-Newfoundland populations. *Human Genetics*, **2013**, 132, 1245-52	6.3	32
52	Potential new indication for ivabradine: treatment of a patient with congenital junctional ectopic tachycardia. *Journal of Cardiovascular Electrophysiology*, **2013**, 24, 822-4	2.7	29
51	Arrhythmogenic right ventricular cardiomyopathy. *PACE - Pacing and Clinical Electrophysiology*, **2009**, 32 Suppl 2, S44-51	1.6	26
50	Prenatal exposure to antimalarials decreases the risk of cardiac but not non-cardiac neonatal lupus: a single-centre cohort study. *Rheumatology*, **2017**, 56, 1552-1559	3.9	24
49	TMEM43 mutation p.S358L alters intercalated disc protein expression and reduces conduction velocity in arrhythmogenic right ventricular cardiomyopathy. *PLoS ONE*, **2014**, 9, e109128	3.7	24
48	Evolutionarily conserved intercalated disc protein Tmem65 regulates cardiac conduction and connexin 43 function. *Nature Communications*, **2015**, 6, 8391	17.4	23
47	An autoantibody profile detects Brugada syndrome and identifies abnormally expressed myocardial proteins. *European Heart Journal*, **2020**, 41, 2878-2890	9.5	23
46	Ankyrin-B dysfunction predisposes to arrhythmogenic cardiomyopathy and is amenable to therapy. *Journal of Clinical Investigation*, **2019**, 129, 3171-3184	15.9	23
45	Congenital heart block maternal sera autoantibodies target an extracellular epitope on the 1G T-type calcium channel in human fetal hearts. *PLoS ONE*, **2013**, 8, e72668	3.7	23
44	Evolution of clinical diagnosis in patients presenting with unexplained cardiac arrest or syncope due to polymorphic ventricular tachycardia. *Heart Rhythm*, **2014**, 11, 274-81	6.7	21
43	Microdevice Platform for Continuous Measurement of Contractility, Beating Rate, and Beating Rhythm of Human-Induced Pluripotent Stem Cell-Cardiomyocytes inside a Controlled Incubator Environment. *ACS Applied Materials & Interfaces*, **2018**, 10, 21173-21183	9.5	20
42	Sudden cardiac death in dilated cardiomyopathies. *PACE - Pacing and Clinical Electrophysiology*, **2009**, 32 Suppl 2, S32-40	1.6	20

41	Thromboembolic Risk After Atriopulmonary, Lateral Tunnel, and Extracardiac Conduit Fontan Surgery. *Journal of the American College of Cardiology*, **2019**, 74, 1071-1081	15.1	19
40	Short-coupled ventricular fibrillation represents a distinct phenotype among latent causes of unexplained cardiac arrest: a report from the CASPER registry. *European Heart Journal*, **2021**, 42, 2827-2838	8.5	18
39	Association of Echocardiographic Parameters of Right Ventricular Remodeling and Myocardial Performance With Modified Task Force Criteria in Adolescents With Arrhythmogenic Right Ventricular Cardiomyopathy. *Circulation: Cardiovascular Imaging*, **2019**, 12, e007693	3.9	16
38	The Canadian Rare Diseases Models and Mechanisms (RDMM) Network: Connecting Understudied Genes to Model Organisms. *American Journal of Human Genetics*, **2020**, 106, 143-152	11	16
37	Right ventricular cardiomyopathy in the young: an emerging challenge. *Heart Rhythm*, **2009**, 6, 571-5	6.7	16
36	Effect of maternal autoantibodies on fetal cardiac conduction: an experimental murine model. *Pediatric Research*, **2005**, 57, 557-62	3.2	16
35	Novel mutations in pediatric long QT syndrome patients support a -specific calmodulinopathy. *HeartRhythm Case Reports*, **2016**, 2, 250-254	1	15
34	Initially unexplained cardiac arrest in children and adolescents: A national experience from the Canadian Pediatric Heart Rhythm Network. *Heart Rhythm*, **2020**, 17, 975-981	6.7	14
33	A comparison of two stab-on unipolar epicardial pacing leads in children. *PACE - Pacing and Clinical Electrophysiology*, **1997**, 20, 631-6	1.6	14
32	Whole exome sequencing identified 1 base pair novel deletion in BCL2-associated athanogene 3 (BAG3) gene associated with severe dilated cardiomyopathy (DCM) requiring heart transplant in multiple family members. *American Journal of Medical Genetics, Part A*, **2017**, 173, 699-705	2.5	13
31	Maternal hypothyroidism may be associated with CHD in offspring. *Cardiology in the Young*, **2015**, 25, 1247-53	1	13
30	High-throughput measurement of gap junctional intercellular communication. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H1708-13	5.2	12
29	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
28	Left Ventricular Function in Children and Adolescents With Arrhythmogenic Right Ventricular Cardiomyopathy. *American Journal of Cardiology*, **2017**, 119, 778-784	3	11
27	Normal values for the childhood signal-averaged ECG. *PACE - Pacing and Clinical Electrophysiology*, **1996**, 19, 793-801	1.6	11
26	Impact of Obesity on Left Ventricular Thickness in Children with Hypertrophic Cardiomyopathy. *Pediatric Cardiology*, **2019**, 40, 1253-1257	2.1	10
25	An Increase in Gleason 6 Tumor Volume While on Active Surveillance Portends a Greater Risk of Grade Reclassification with Further Followup. *Journal of Urology*, **2016**, 195, 307-12	2.5	9
24	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

23	Investigative methods of congenital complete heart block. *Journal of Electrocardiology*, **1998**, 30 Suppl, 69-74	1.4	9
22	Label-free conduction velocity mapping and gap junction assessment of functional iPSC-Cardiomyocyte monolayers. *Biosensors and Bioelectronics*, **2020**, 167, 112468	11.8	9
21	Cadherin 2-Related Arrhythmogenic Cardiomyopathy: Prevalence and Clinical Features. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003097	5.2	8
20	Clinical use of permanent pacemaker for conversion of intraatrial reentry tachycardia in children. *PACE - Pacing and Clinical Electrophysiology*, **2001**, 24, 950-6	1.6	7
19	Arrhythmias in Children with Peripherally Inserted Central Catheters (PICCs). *Pediatric Cardiology*, **2020**, 41, 407-413	2.1	5
18	Avoiding Unnecessary Biopsy: MRI-based Risk Models versus a PI-RADS and PSA Density Strategy for Clinically Significant Prostate Cancer. *Radiology*, **2021**, 300, 369-379	20.5	5
17	The Canadian Arrhythmogenic Right Ventricular Cardiomyopathy Registry: Rationale, Design, and Preliminary Recruitment. *Canadian Journal of Cardiology*, **2016**, 32, 1396-1401	3.8	4
16	A149: Does Prenatal Exposure to Antimalarial Decrease the Risk of Neonatal Lupus: a Bayesian Perspective. *Arthritis and Rheumatology*, **2014**, 66, S193-S193	9.5	4
15	Microinjection Technique for Assessment of Gap Junction Function. *Methods in Molecular Biology*, **2016**, 1437, 145-54	1.4	4
14	The Hearts in Rhythm Organization: A Canadian National Cardiogenetics Network. *CJC Open*, **2020**, 2, 652-662	2	3
13	Impact of programmed sensitivity safety factor on atrial sensing in children. *PACE - Pacing and Clinical Electrophysiology*, **1997**, 20, 2163-70	1.6	3
12	Clinical and Functional Characterization of Ryanodine Receptor 2 Variants Implicated in Calcium-Release Deficiency Syndrome. *JAMA Cardiology*, **2021**,	16.2	3
11	Congenital heart disease confounding the diagnosis of arrhythmogenic right ventricular cardiomyopathy. *HeartRhythm Case Reports*, **2016**, 2, 290-295	1	3
10	Clinical utility of endomyocardial biopsies in the diagnosis of arrhythmogenic right ventricular cardiomyopathy in children. *Pediatric Research*, **2018**, 84, 552-557	3.2	3
9	The Current State and Future Potential of Pediatric and Congenital Electrophysiology. *JACC: Clinical Electrophysiology*, **2017**, 3, 195-206	4.6	2
8	Electroanatomical voltage mapping of atrial Mahaim potentials to guide catheter ablation. *HeartRhythm Case Reports*, **2016**, 2, 499-501	1	2
7	Variant Reinterpretation in Survivors of Cardiac Arrest With Preserved Ejection Fraction (the Cardiac Arrest Survivors With Preserved Ejection Fraction Registry) by Clinicians and Clinical Commercial Laboratories. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003235	5.2	2
6	Brugada Syndrome.. *JACC: Clinical Electrophysiology*, **2022**, 8, 386-405	4.6	2

5	Biomarkers in inherited arrhythmias: opportunities for validation and collaboration. *European Heart Journal*, **2020**, 41, 4521-4522	9.5	1
4	Evaluating the 12-Lead Electrocardiogram for Diagnosing ARVC in Young Populations: Implications for Preparticipation Screening of Athletes. *CJC Open*, **2021**, 3, 498-503	2	0
3	A Novel Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC) Biomarker-Anti-DSG2-Is Absent in Athletes With Right Ventricular Enlargement.. *CJC Open*, **2021**, 3, 1413-1418	2	0
2	PPA2-associated sudden cardiac death: extending the clinical and allelic spectrum in 20 new families. *Genetics in Medicine*, **2021**, 23, 2415-2425	8.1	0
1	Antiepileptic rufinamide and QTc interval shortening in a patient with long QT syndrome: case report. *European Heart Journal - Case Reports*, **2020**, 4, 1-4	0.9	