

Connie R Bezzina

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189 papers	11,784 citations	59 h-index	105 g-index
215 ext. papers	14,202 ext. citations	9.7 avg, IF	5.81 L-index

#	Paper	IF	Citations
189	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC working group on myocardial function and the ESC Working Group on Cellular Biology of the Heart.. <i>Cardiovascular Research</i> , 2022 ,	9.9	3
188	A deep learning approach identifies new ECG features in congenital long QT syndrome.. <i>BMC Medicine</i> , 2022 , 20, 162	11.4	0
187	Common Genetic Variants Contribute to Risk of Transposition of the Great Arteries. <i>Circulation Research</i> , 2021 ,	15.7	2
186	Exploring the Relationship Between Schizophrenia and Cardiovascular Disease: A Genetic Correlation and Multivariable Mendelian Randomization Study. <i>Schizophrenia Bulletin</i> , 2021 ,	1.3	1
185	Sequential Defects in Cardiac Lineage Commitment and Maturation Cause Hypoplastic Left Heart Syndrome. <i>Circulation</i> , 2021 , 144, 1409-1428	16.7	6
184	Two siblings with early repolarization syndrome: clinical and genetic characterization by whole-exome sequencing. <i>Europace</i> , 2021 , 23, 775-780	3.9	0
183	Biallelic loss-of-function variants in PLD1 cause congenital right-sided cardiac valve defects and neonatal cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	4
182	Genetics and genomics of arrhythmic risk: current and future strategies to prevent sudden cardiac death. <i>Nature Reviews Cardiology</i> , 2021 , 18, 774-784	14.8	1
181	Clinical Characteristics of p.R965C Carriers: A Common Founder Variant Predisposing to Brugada Syndrome in Thailand. <i>Circulation Genomic and Precision Medicine</i> , 2021 , 14, e003229	5.2	0
180	Chronically elevated branched chain amino acid levels are pro-arrhythmic. <i>Cardiovascular Research</i> , 2021 ,	9.9	6
179	Rare variants in KDR, encoding VEGF Receptor 2, are associated with tetralogy of Fallot. <i>Genetics in Medicine</i> , 2021 , 23, 1952-1960	8.1	1
178	Targeting the Microtubule EB1-CLASP2 Complex Modulates Na1.5 at Intercalated Discs. <i>Circulation Research</i> , 2021 , 129, 349-365	15.7	2
177	Enhancing rare variant interpretation in inherited arrhythmias through quantitative analysis of consortium disease cohorts and population controls. <i>Genetics in Medicine</i> , 2021 , 23, 47-58	8.1	13
176	Common genetic variants and modifiable risk factors underpin hypertrophic cardiomyopathy susceptibility and expressivity. <i>Nature Genetics</i> , 2021 , 53, 135-142	36.3	33
175	Illuminating the path from genetics to clinical outcome in Brugada syndrome. <i>European Heart Journal</i> , 2021 , 42, 1091-1093	9.5	6
174	Variant Intronic Enhancer Controls Expression and Heart Conduction. <i>Circulation</i> , 2021 , 144, 229-242	16.7	1
173	Novel pathogenic role for galectin-3 in early disease stages of arrhythmogenic cardiomyopathy. <i>Heart Rhythm</i> , 2021 , 18, 1394-1403	6.7	1

172	Minor hypertrophic cardiomyopathy genes, major insights into the genetics of cardiomyopathies. <i>Nature Reviews Cardiology</i> , 2021 ,	14.8	5
171	Shared genetic pathways contribute to risk of hypertrophic and dilated cardiomyopathies with opposite directions of effect. <i>Nature Genetics</i> , 2021 , 53, 128-134	36.3	35
170	Systematic large-scale assessment of the genetic architecture of left ventricular noncompaction reveals diverse etiologies. <i>Genetics in Medicine</i> , 2021 , 23, 856-864	8.1	12
169	Mutation Type and a Genetic Risk Score Associate Variably With Brugada Syndrome Phenotype in Families. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e002911	5.2	13
168	Sibling history is associated with heart failure after a first myocardial infarction. <i>Open Heart</i> , 2020 , 7, e001143	3	1
167	When genetic burden reaches threshold. <i>European Heart Journal</i> , 2020 , 41, 3849-3855	9.5	12
166	Transethnic Genome-Wide Association Study Provides Insights in the Genetic Architecture and Heritability of Long QT Syndrome. <i>Circulation</i> , 2020 , 142, 324-338	16.7	27
165	Genome-wide association studies of cardiac electrical phenotypes. <i>Cardiovascular Research</i> , 2020 , 116, 1620-1634	9.9	4
164	Common and rare susceptibility genetic variants predisposing to Brugada syndrome in Thailand. <i>Heart Rhythm</i> , 2020 , 17, 2145-2153	6.7	8
163	Seasonality of ventricular fibrillation at first myocardial infarction and association with viral exposure. <i>PLoS ONE</i> , 2020 , 15, e0226936	3.7	2
162	Electrophysiological Abnormalities in VLCAD Deficient hiPSC-Cardiomyocytes Can Be Improved by Lowering Accumulation of Fatty Acid Oxidation Intermediates. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
161	SARS-CoV-2, COVID-19, and inherited arrhythmia syndromes. <i>Heart Rhythm</i> , 2020 , 17, 1456-1462	6.7	115
160	Scientists on the Spot: The complex inheritance of cardiac disorders. <i>Cardiovascular Research</i> , 2020 , 116, e11	9.9	
159	Inherited cardiac arrhythmias. <i>Nature Reviews Disease Primers</i> , 2020 , 6, 58	51.1	53
158	Functional modulation of atrio-ventricular conduction by enhanced late sodium current and calcium-dependent mechanisms in Scn5a1798insD/+ mice. <i>Europace</i> , 2020 , 22, 1579-1589	3.9	3
157	The yield of postmortem genetic testing in sudden death cases with structural findings at autopsy. <i>European Journal of Human Genetics</i> , 2020 , 28, 17-22	5.3	16
156	Epidemiology of inherited arrhythmias. <i>Nature Reviews Cardiology</i> , 2020 , 17, 205-215	14.8	18
155	Electrophysiological Abnormalities in VLCAD Deficient hiPSC-Cardiomyocytes Do not Improve with Carnitine Supplementation. <i>Frontiers in Pharmacology</i> , 2020 , 11, 616834	5.6	2

154	Seasonality of ventricular fibrillation at first myocardial infarction and association with viral exposure 2020 , 15, e0226936		
153	Seasonality of ventricular fibrillation at first myocardial infarction and association with viral exposure 2020 , 15, e0226936		
152	Blood Pressure-Associated Genetic Variants in the Natriuretic Peptide Receptor 1 Gene Modulate Guanylate Cyclase Activity. <i>Circulation Genomic and Precision Medicine</i> , 2019 , 12, e002472	5.2	4
151	Predicting cardiac electrical response to sodium-channel blockade and Brugada syndrome using polygenic risk scores. <i>European Heart Journal</i> , 2019 , 40, 3097-3107	9.5	33
150	Genetic variation in causes bradycardia by augmenting the cholinergic response via increased acetylcholine-activated potassium current (). <i>DMM Disease Models and Mechanisms</i> , 2019 , 12,	4.1	7
149	Calmodulin mutations and life-threatening cardiac arrhythmias: insights from the International Calmodulinopathy Registry. <i>European Heart Journal</i> , 2019 , 40, 2964-2975	9.5	61
148	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. <i>Circulation Genomic and Precision Medicine</i> , 2019 , 12, e002470	5.2	13
147	Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. <i>Circulation Genomic and Precision Medicine</i> , 2019 , 12, e002471	5.2	14
146	Homozygous frameshift mutations in FAT1 cause a syndrome characterized by colobomatous-microphthalmia, ptosis, nephropathy and syndactyly. <i>Nature Communications</i> , 2019 , 10, 1180	17.4	19
145	Supraventricular tachycardias, conduction disease, and cardiomyopathy in 3 families with the same rare variant in TNNI3K (p.Glu768Lys). <i>Heart Rhythm</i> , 2019 , 16, 98-105	6.7	9
144	Beyond the One Gene-One Disease Paradigm: Complex Genetics and Pleiotropy in Inheritable Cardiac Disorders. <i>Circulation</i> , 2019 , 140, 595-610	16.7	56
143	GATA6 mutations: Characterization of two novel patients and a comprehensive overview of the GATA6 genotypic and phenotypic spectrum. <i>American Journal of Medical Genetics, Part A</i> , 2019 , 179, 1836-1845 ⁶	2.5	1845
142	Functional Consequences of the -p.Y1977N Mutation within the PY Ubiquitylation Motif: Discrepancy between HEK293 Cells and Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
141	Whole Exome Sequencing Reveals the Major Genetic Contributors to Nonsyndromic Tetralogy of Fallot. <i>Circulation Research</i> , 2019 , 124, 553-563	15.7	62
140	A common co-morbidity modulates disease expression and treatment efficacy in inherited cardiac sodium channelopathy. <i>European Heart Journal</i> , 2018 , 39, 2898-2907	9.5	12
139	Identification of an I-dependent and I-mediated proarrhythmic mechanism in cardiomyocytes derived from pluripotent stem cells of a Brugada syndrome patient. <i>Scientific Reports</i> , 2018 , 8, 11246	4.9	20
138	Inherited dilated cardiomyopathy in a large Moroccan family caused by LMNA mutation. <i>Anatolian Journal of Cardiology</i> , 2018 , 20, 65-68	0.8	2
137	Bioinformatic analysis of a plakophilin-2-dependent transcription network: implications for the mechanisms of arrhythmogenic right ventricular cardiomyopathy in humans and in boxer dogs. <i>Europace</i> , 2018 , 20, iii125-iii132	3.9	9

136	A comprehensive evaluation of the genetic architecture of sudden cardiac arrest. <i>European Heart Journal</i> , 2018 , 39, 3961-3969	9.5	31
135	Systems Genetics Approaches in Rat Identify Novel Genes and Gene Networks Associated With Cardiac Conduction. <i>Journal of the American Heart Association</i> , 2018 , 7, e009243	6	9
134	Enhanced late sodium current underlies pro-arrhythmic intracellular sodium and calcium dysregulation in murine sodium channelopathy. <i>International Journal of Cardiology</i> , 2018 , 263, 54-62	3.2	10
133	Genomic approaches for the elucidation of genes and gene networks underlying cardiovascular traits. <i>Biophysical Reviews</i> , 2018 , 10, 1053-1060	3.7	3
132	Multilevel analyses of SCN5A mutations in arrhythmogenic right ventricular dysplasia/cardiomyopathy suggest non-canonical mechanisms for disease pathogenesis. <i>Cardiovascular Research</i> , 2017 , 113, 102-111	9.9	111
131	Gain-of-function mutation in SCN5A causes ventricular arrhythmias and early onset atrial fibrillation. <i>International Journal of Cardiology</i> , 2017 , 236, 187-193	3.2	23
130	Utility of Post-Mortem Genetic Testing in Cases of Sudden Arrhythmic Death Syndrome. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 2134-2145	15.1	126
129	Anti-arrhythmic potential of the late sodium current inhibitor GS-458967 in murine Scn5a-1798insD+/- and human SCN5A-1795insD+/- iPSC-derived cardiomyocytes. <i>Cardiovascular Research</i> , 2017 , 113, 829-838	9.9	28
128	The Brugada Syndrome Susceptibility Gene Modulates Cardiac Transmural Ion Channel Patterning and Electrical Heterogeneity. <i>Circulation Research</i> , 2017 , 121, 537-548	15.7	34
127	Exome sequencing identifies primary carnitine deficiency in a family with cardiomyopathy and sudden death. <i>European Journal of Human Genetics</i> , 2017 , 25, 783-787	5.3	16
126	Familial Disease Is Not Always Genetic: A Family With Atrioventricular Block and Mitral Regurgitation. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 554.e9-554.e11	3.8	
125	Impact of Selection Bias on Estimation of Subsequent Event Risk. <i>Circulation: Cardiovascular Genetics</i> , 2017 , 10,		19
124	Arrhythmogenic cardiomyopathy: pathology, genetics, and concepts in pathogenesis. <i>Cardiovascular Research</i> , 2017 , 113, 1521-1531	9.9	58
123	Natural genetic variation of the cardiac transcriptome in non-diseased donors and patients with dilated cardiomyopathy. <i>Genome Biology</i> , 2017 , 18, 170	18.3	40
122	Response by Veerman et al to Letter Regarding Article, "The Brugada Syndrome Susceptibility Gene Modulates Cardiac Transmural Ion Channel Patterning and Electrical Heterogeneity". <i>Circulation Research</i> , 2017 , 121, e21	15.7	
121	Sodium Channel Remodeling in Subcellular Microdomains of Murine Failing Cardiomyocytes. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	21
120	Yield and Pitfalls of Ajmaline Testing in the Evaluation of Unexplained Cardiac Arrest and Sudden Unexplained Death: Single-Center Experience With 482 Families. <i>JACC: Clinical Electrophysiology</i> , 2017 , 3, 1400-1408	4.6	19
119	Heart failure following STEMI: a contemporary cohort study of incidence and prognostic factors. <i>Open Heart</i> , 2017 , 4, e000551	3	10

118	Patch-Clamp Recording from Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Improving Action Potential Characteristics through Dynamic Clamp. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	35
117	Switch From Fetal to Adult Isoform in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Unmasks the Cellular Phenotype of a Conduction Disease-Causing Mutation. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	34
116	Complex Genetics of Cardiovascular Traits in Mice: F2-Mapping of QTLs and Their Underlying Genes. <i>Methods in Molecular Biology</i> , 2017 , 1488, 431-454	1.4	4
115	Genetics of congenital heart disease: the contribution of the noncoding regulatory genome. <i>Journal of Human Genetics</i> , 2016 , 61, 13-9	4.3	36
114	Clinical Aspects of Type 3 Long-QT Syndrome: An International Multicenter Study. <i>Circulation</i> , 2016 , 134, 872-82	16.7	118
113	GNB5 Mutations Cause an Autosomal-Recessive Multisystem Syndrome with Sinus Bradycardia and Cognitive Disability. <i>American Journal of Human Genetics</i> , 2016 , 99, 704-710	11	34
112	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1435-1448	15.1	76
111	Variants in the SCN5A Promoter Associated With Various Arrhythmia Phenotypes. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	18
110	hiPSC-derived cardiomyocytes from Brugada Syndrome patients without identified mutations do not exhibit clear cellular electrophysiological abnormalities. <i>Scientific Reports</i> , 2016 , 6, 30967	4.9	50
109	Readthrough-Promoting Drugs Gentamicin and PTC124 Fail to Rescue Nav1.5 Function of Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes Carrying Nonsense Mutations in the Sodium Channel Gene SCN5A. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9,	6.4	20
108	Sudden Cardiac Arrest and Rare Genetic Variants in the Community. <i>Circulation: Cardiovascular Genetics</i> , 2016 , 9, 147-53		22
107	Cardiac dyssynchrony and response to cardiac resynchronisation therapy in heart failure: can genetic predisposition play a role?. <i>Netherlands Heart Journal</i> , 2016 , 24, 11-5	2.2	1
106	Genome-Wide Polyadenylation Maps Reveal Dynamic mRNA 3' End Formation in the Failing Human Heart. <i>Circulation Research</i> , 2016 , 118, 433-8	15.7	28
105	Next-Generation Sequencing in Post-mortem Genetic Testing of Young Sudden Cardiac Death Cases. <i>Frontiers in Cardiovascular Medicine</i> , 2016 , 3, 13	5.4	13
104	Genome-wide association of multiple complex traits in outbred mice by ultra-low-coverage sequencing. <i>Nature Genetics</i> , 2016 , 48, 912-8	36.3	81
103	Dilation of the Aorta Ascendens Forms Part of the Clinical Spectrum of HCN4 Mutations. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 2313-2315	15.1	20
102	TNNI3K in cardiovascular disease and prospects for therapy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 82, 167-73	5.8	11
101	Chemokine ligand 9 modulates cardiac repolarization via Cxcr3 receptor binding. <i>International Journal of Cardiology</i> , 2015 , 201, 49-52	3.2	2

100	Analysis for Genetic Modifiers of Disease Severity in Patients With Long-QT Syndrome Type 2. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 447-456		31
99	Genetics of sudden cardiac death. <i>Circulation Research</i> , 2015 , 116, 1919-36	15.7	161
98	Role of common and rare variants in SCN10A: results from the Brugada syndrome QRS locus gene discovery collaborative study. <i>Cardiovascular Research</i> , 2015 , 106, 520-9	9.9	86
97	Early repolarization pattern: its ECG characteristics, arrhythmogeneity and heritability. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2014 , 39, 185-92	2.4	13
96	Coxsackie and adenovirus receptor is a modifier of cardiac conduction and arrhythmia vulnerability in the setting of myocardial ischemia. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 549-59	15.1	45
95	A mutation in CALM1 encoding calmodulin in familial idiopathic ventricular fibrillation in childhood and adolescence. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 259-66	15.1	124
94	Genetics of sudden cardiac death caused by ventricular arrhythmias. <i>Nature Reviews Cardiology</i> , 2014 , 11, 96-111	14.8	52
93	PDZ domain-binding motif regulates cardiomyocyte compartment-specific Nav1.5 channel expression and function. <i>Circulation</i> , 2014 , 130, 147-60	16.7	77
92	Role of Rare and Common Genetic Variation in SCN5A in Cardiac Electrical Function and Arrhythmia. <i>Cardiac Electrophysiology Clinics</i> , 2014 , 6, 665-677	1.4	1
91	HCN4 mutations in multiple families with bradycardia and left ventricular noncompaction cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 745-56	15.1	133
90	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014 , 46, 826-36	36.3	199
89	Integrative genomic approach identifies multiple genes involved in cardiac collagen deposition. <i>Circulation: Cardiovascular Genetics</i> , 2014 , 7, 790-8		8
88	Genomics of cardiac electrical function. <i>Briefings in Functional Genomics</i> , 2014 , 13, 39-50	4.9	1
87	Gene-centric meta-analysis in 87,736 individuals of European ancestry identifies multiple blood-pressure-related loci. <i>American Journal of Human Genetics</i> , 2014 , 94, 349-60	11	131
86	A common genetic variant within SCN10A modulates cardiac SCN5A expression. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1844-52	15.9	132
85	Genome-wide identification of expression quantitative trait loci (eQTLs) in human heart. <i>PLoS ONE</i> , 2014 , 9, e97380	3.7	35
84	Genome-wide association study of multiple congenital heart disease phenotypes identifies a susceptibility locus for atrial septal defect at chromosome 4p16. <i>Nature Genetics</i> , 2013 , 45, 822-4	36.3	91
83	Common variants at SCN5A-SCN10A and HEY2 are associated with Brugada syndrome, a rare disease with high risk of sudden cardiac death. <i>Nature Genetics</i> , 2013 , 45, 1044-9	36.3	345

82	Sudden cardiac arrest associated with use of a non-cardiac drug that reduces cardiac excitability: evidence from bench, bedside, and community. <i>European Heart Journal</i> , 2013 , 34, 1506-16	9.5	30
81	Reduced sodium channel function unmasks residual embryonic slow conduction in the adult right ventricular outflow tract. <i>Circulation Research</i> , 2013 , 113, 137-41	15.7	59
80	SNPs identified as modulators of ECG traits in the general population do not markedly affect ECG traits during acute myocardial infarction nor ventricular fibrillation risk in this condition. <i>PLoS ONE</i> , 2013 , 8, e57216	3.7	9
79	A heterozygous deletion mutation in the cardiac sodium channel gene SCN5A with loss- and gain-of-function characteristics manifests as isolated conduction disease, without signs of Brugada or long QT syndrome. <i>PLoS ONE</i> , 2013 , 8, e67963	3.7	15
78	Genome wide analysis of drug-induced torsades de pointes: lack of common variants with large effect sizes. <i>PLoS ONE</i> , 2013 , 8, e78511	3.7	48
77	Complex inheritance for susceptibility to sudden cardiac death. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6864-72	3.3	1
76	The chemical compound PTC124 does not affect cellular electrophysiology of cardiac ventricular myocytes. <i>Cardiovascular Drugs and Therapy</i> , 2012 , 26, 41-5	3.9	7
75	Functional Nav1.8 channels in intracardiac neurons: the link between SCN10A and cardiac electrophysiology. <i>Circulation Research</i> , 2012 , 111, 333-43	15.7	107
74	Common genetic variation modulating cardiac ECG parameters and susceptibility to sudden cardiac death. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 620-9	5.8	42
73	Induced pluripotent stem cell derived cardiomyocytes as models for cardiac arrhythmias. <i>Frontiers in Physiology</i> , 2012 , 3, 346	4.6	134
72	Large-scale gene-centric meta-analysis across 32 studies identifies multiple lipid loci. <i>American Journal of Human Genetics</i> , 2012 , 91, 823-38	11	189
71	The role of renin-angiotensin-aldosterone system polymorphisms in phenotypic expression of MYBPC3-related hypertrophic cardiomyopathy. <i>European Journal of Human Genetics</i> , 2012 , 20, 1071-7	5.3	23
70	Cardiomyocytes derived from pluripotent stem cells recapitulate electrophysiological characteristics of an overlap syndrome of cardiac sodium channel disease. <i>Circulation</i> , 2012 , 125, 3079-91	16.7	200
69	Dissection of a quantitative trait locus for PR interval duration identifies Tnni3k as a novel modulator of cardiac conduction. <i>PLoS Genetics</i> , 2012 , 8, e1003113	6	35
68	A connexin40 mutation associated with a malignant variant of progressive familial heart block type I. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 163-72	6.4	53
67	A large candidate gene survey identifies the KCNE1 D85N polymorphism as a possible modulator of drug-induced torsades de pointes. <i>Circulation: Cardiovascular Genetics</i> , 2012 , 5, 91-9		127
66	Variants in the 3' untranslated region of the KCNQ1-encoded Kv7.1 potassium channel modify disease severity in patients with type 1 long QT syndrome in an allele-specific manner. <i>European Heart Journal</i> , 2012 , 33, 714-23	9.5	113
65	Intercalated disc abnormalities, reduced Na(+) current density, and conduction slowing in desmoglein-2 mutant mice prior to cardiomyopathic changes. <i>Cardiovascular Research</i> , 2012 , 95, 409-18	9.9	145

64	Genetic variation in T-box binding element functionally affects SCN5A/SCN10A enhancer. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2519-30	15.9	143
63	Inherited Cardiac Arrhythmia Syndromes: Role of the Sodium Channel. <i>Cardiac Electrophysiology Clinics</i> , 2011 , 3, 93-112	1.4	
62	Quantitative trait loci for electrocardiographic parameters and arrhythmia in the mouse. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 380-9	5.8	20
61	Genetic predisposition for sudden cardiac death in myocardial ischaemia: the Arrhythmia Genetics in the NETHERlandS study. <i>Netherlands Heart Journal</i> , 2011 , 19, 96-100	2.2	1
60	Arrhythmogenic cardiomyopathy: transgenic animal models provide novel insights into disease pathobiology. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 318-26		28
59	A complex double deletion in LMNA underlies progressive cardiac conduction disease, atrial arrhythmias, and sudden death. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 280-7		23
58	Developmental aspects of cardiac arrhythmogenesis. <i>Cardiovascular Research</i> , 2011 , 91, 243-51	9.9	16
57	Identification of a sudden cardiac death susceptibility locus at 2q24.2 through genome-wide association in European ancestry individuals. <i>PLoS Genetics</i> , 2011 , 7, e1002158	6	95
56	Genetic variation in SCN10A influences cardiac conduction. <i>Nature Genetics</i> , 2010 , 42, 149-52	36.3	209
55	Genome-wide association study identifies a susceptibility locus at 21q21 for ventricular fibrillation in acute myocardial infarction. <i>Nature Genetics</i> , 2010 , 42, 688-691	36.3	132
54	Cardiac desmosomal (dys)function and myocyte viability. <i>Cell Cycle</i> , 2010 , 9, 1246-52	4.7	6
53	Tubulin polymerization modifies cardiac sodium channel expression and gating. <i>Cardiovascular Research</i> , 2010 , 85, 691-700	9.9	53
52	Genetics of lone atrial fibrillation. <i>Europace</i> , 2010 , 12, 1351-2	3.9	2
51	Mechanism of right precordial ST-segment elevation in structural heart disease: excitation failure by current-to-load mismatch. <i>Heart Rhythm</i> , 2010 , 7, 238-48	6.7	88
50	Sodium channel (dys)function and cardiac arrhythmias. <i>Cardiovascular Therapeutics</i> , 2010 , 28, 287-94	3.3	98
49	Genetic Basis of Ventricular Arrhythmias. <i>Current Cardiovascular Risk Reports</i> , 2010 , 4, 454-460	0.9	3
48	Identification of FOXP1 deletions in three unrelated patients with mental retardation and significant speech and language deficits. <i>Human Mutation</i> , 2010 , 31, E1851-60	4.7	105
47	Genetically determined differences in sodium current characteristics modulate conduction disease severity in mice with cardiac sodium channelopathy. <i>Circulation Research</i> , 2009 , 104, 1283-92	15.7	63

46	Combined reduction of intercellular coupling and membrane excitability differentially affects transverse and longitudinal cardiac conduction. <i>Cardiovascular Research</i> , 2009 , 83, 52-60	9.9	51
45	Myocyte necrosis underlies progressive myocardial dystrophy in mouse <i>dsg2</i> -related arrhythmogenic right ventricular cardiomyopathy. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1787-802	16.6	140
44	Haplotype-sharing analysis implicates chromosome 7q36 harboring DPP6 in familial idiopathic ventricular fibrillation. <i>American Journal of Human Genetics</i> , 2009 , 84, 468-76	11	121
43	Genetic Background Determines Magnitude of Late Sodium Current, Extent of Intracellular Na ⁺ and Ca ²⁺ Dysregulation, and Severity of Cardiomyopathy in Murine Sodium Channelopathy. <i>Heart Rhythm</i> , 2009 , 6, 1686	6.7	2
42	Type of SCN5A mutation determines clinical severity and degree of conduction slowing in loss-of-function sodium channelopathies. <i>Heart Rhythm</i> , 2009 , 6, 341-8	6.7	182
41	Myocyte necrosis underlies progressive myocardial dystrophy in mouse <i>dsg2</i> -related arrhythmogenic right ventricular cardiomyopathy. <i>Journal of Cell Biology</i> , 2009 , 186, i5-i5	7.3	
40	Cardiac sodium channel overlap syndromes: different faces of SCN5A mutations. <i>Trends in Cardiovascular Medicine</i> , 2008 , 18, 78-87	6.9	151
39	Dilated cardiomyopathy due to sodium channel dysfunction: what is the connection?. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2008 , 1, 80-2	6.4	32
38	The primary arrhythmia syndromes: same mutation, different manifestations. Are we starting to understand why?. <i>Journal of Cardiovascular Electrophysiology</i> , 2008 , 19, 445-52	2.7	30
37	Sodium channel α subunit mutations associated with Brugada syndrome and cardiac conduction disease in humans. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2260-8	15.9	337
36	Fever-induced QTc prolongation and ventricular arrhythmias in individuals with type 2 congenital long QT syndrome. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2552-61	15.9	64
35	Exclusion of multiple candidate genes and large genomic rearrangements in SCN5A in a Dutch Brugada syndrome cohort. <i>Heart Rhythm</i> , 2007 , 4, 752-5	6.7	43
34	Characterization of a novel SCN5A mutation associated with Brugada syndrome reveals involvement of DIIS4-S5 linker in slow inactivation. <i>Cardiovascular Research</i> , 2007 , 76, 418-29	9.9	33
33	Genetic Basis for Cardiac Arrhythmias 2007 , 2577-2598		
32	Overlap syndrome of cardiac sodium channel disease in mice carrying the equivalent mutation of human SCN5A-1795insD. <i>Circulation</i> , 2006 , 114, 2584-94	16.7	153
31	Familial sudden death is an important risk factor for primary ventricular fibrillation: a case-control study in acute myocardial infarction patients. <i>Circulation</i> , 2006 , 114, 1140-5	16.7	214
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1	The genetic architecture of left ventricular non-compaction reveals both substantial overlap with other cardiomyopathies and a distinct aetiology in a subset of cases		1