Common variants at SCN5A-SCN10A and HEY2 are asso disease with high risk of sudden cardiac death

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Citation Report

#	Article	IF	Citations
2	Paradigm shifts in the genetics of inherited arrhythmias: Using nextâ€generation sequencing technologies to uncover hidden etiologies. Journal of Arrhythmia, 2013, 29, 305-307.	1.2	0
3	Computational tools to investigate genetic cardiac channelopathies. Frontiers in Physiology, 2013, 4, 390.	2.8	6
5	Update of Diagnosis and Management of Inherited Cardiac Arrhythmias. Circulation Journal, 2013, 77, 2867-2872.	1.6	45
6	An Optimized and Simplified System of Mouse Embryonic Stem Cell Cardiac Differentiation for the Assessment of Differentiation Modifiers. PLoS ONE, 2014, 9, e93033.	2.5	11
7	The Brugada Syndrome â€“ Diagnosis, Clinical Implications and Risk Stratification. European Cardiology Review, 2014, 9, 82.	2.2	7
8	An automated system using spatial oversampling for optical mapping in murine atria. Development and validation with monophasic and transmembrane action potentials. Progress in Biophysics and Molecular Biology, 2014, 115, 340-348.	2.9	22
9	SCN10A/Nav1.8 modulation of peak and late sodium currents in patients with early onset atrial fibrillation. Cardiovascular Research, 2014, 104, 355-363.	3.8	65
10	Paralogue annotation identifies novel pathogenic variants in patients with Brugada syndrome and catecholaminergic polymorphic ventricular tachycardia. Journal of Medical Genetics, 2014, 51, 35-44.	3.2	44
11	Brugada syndrome in spinal and bulbar muscular atrophy. Neurology, 2014, 82, 1813-1821.	1.1	44
12	Hey bHLH Transcription Factors. Current Topics in Developmental Biology, 2014, 110, 285-315.	2.2	68
13	New Directions in Cardiac Arrhythmia Management: Present Challenges and Future Solutions. Canadian Journal of Cardiology, 2014, 30, S420-S430.	1.7	31
14	Gainâ€ofâ€Function KCNH2 Mutations in Patients with Brugada Syndrome. Journal of Cardiovascular Electrophysiology, 2014, 25, 522-530.	1.7	36
15	Brugada Syndrome: A Heterogeneous Disease with a Common ECG Phenotype?. Journal of Cardiovascular Electrophysiology, 2014, 25, 450-456.	1.7	18
16	Myocardial deletion of transcription factor CHF1/Hey2 results in altered myocyte action potential and mild conduction system expansion but does not alter conduction system function or promote spontaneous arrhythmias. FASEB Journal, 2014, 28, 3007-3015.	0.5	21
17	Unexpected Î±â€“Î± Interactions With Na _V 1.5 Genetic Variants in Brugada Syndrome. Circulation: Cardiovascular Genetics, 2014, 7, 97-99.	5.1	1
18	Conveying a probabilistic genetic test result to families with an inherited heart disease. Heart Rhythm, 2014, 11, 1073-1078.	0.7	54
19	A comprehensive electrocardiographic, molecular, and echocardiographic study of Brugada syndrome: Validation of the 2013 diagnostic criteria. Heart Rhythm, 2014, 11, 1176-1183.	0.7	32
20	Inherited arrhythmia syndromes leading to sudden cardiac death in the young: A global update and an Indian perspective. Indian Heart Journal, 2014, 66, S49-S57.	0.5	8

#	Article	IF	Citations
21	Loss-of-Function of the Voltage-Gated Sodium Channel NaV1.5 (Channelopathies) in Patients With Irritable Bowel Syndrome. Gastroenterology, 2014, 146, 1659-1668.	1.3	120
22	Early repolarization pattern: its ECG characteristics, arrhythmogeneity and heritability. Journal of Interventional Cardiac Electrophysiology, 2014, 39, 185-192.	1.3	15
23	Rare variants and cardiovascular disease. Briefings in Functional Genomics, 2014, 13, 384-391.	2.7	12
24	Recent genetic discoveries implicating ion channels in human cardiovascular diseases. Current Opinion in Pharmacology, 2014, 15, 47-52.	3.5	11
25	Painful and painless channelopathies. Lancet Neurology, The, 2014, 13, 587-599.	10.2	274
26	Genetics of sudden cardiac death caused by ventricular arrhythmias. Nature Reviews Cardiology, 2014, 11, 96-111.	13.7	59
27	Role of Rare and Common Genetic Variation in SCN5A in Cardiac Electrical Function and Arrhythmia. Cardiac Electrophysiology Clinics, 2014, 6, 665-677.	1.7	1
28	Use of Drugs in Long QT Syndrome Type 3 and Brugada Syndrome. Cardiac Electrophysiology Clinics, 2014, 6, 811-817.	1.7	1
29	Pharmacology and Toxicology of Nav1.5-ClassÂ1 Antiarrhythmic Drugs. Cardiac Electrophysiology Clinics, 2014, 6, 695-704.	1.7	33
30	Sodium Current Disorders. Cardiac Electrophysiology Clinics, 2014, 6, 819-824.	1.7	1
31	Sodium Current Disorders. Cardiac Electrophysiology Clinics, 2014, 6, 825-833.	1.7	0
32	Brugada Syndrome and Nav1.5. Cardiac Electrophysiology Clinics, 2014, 6, 715-721.	1.7	0
33	The Brugada ECG and Schizophrenia. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 365-367.	4.8	4
34	Complex Brugada syndrome inheritance in a family harbouring compound SCN5A and CACNA1C mutations. Basic Research in Cardiology, 2014, 109, 446.	5.9	20
35	Cardiac sodium channel mutations: why so many phenotypes?. Nature Reviews Cardiology, 2014, 11, 607-615.	13.7	65
36	Arythmies hÃ©rÃ©ditaires associÃ©es aux canaux Kv (et autres canaux) cardiaques. Archives Des Maladies Du Coeur Et Des Vaisseaux - Pratique, 2014, 2014, 25-30.	0.0	0
37	Mutations in SCN10A Are Responsible for a Large Fraction of Cases of Brugada Syndrome. Journal of the American College of Cardiology, 2014, 64, 66-79.	2.8	212
38	Importance of Clinical Analysis in the New Era of Molecular Genetic Screeningâ^—. Journal of the American College of Cardiology, 2014, 64, 80-82.	2.8	6

#	Article	IF	Citations
39	Cardiac sodium channels and inherited electrophysiological disorders: an update on the pharmacotherapy. Expert Opinion on Pharmacotherapy, 2014, 15, 1875-1887.	1.8	8
40	Risk stratification for sudden cardiac death: current status and challenges for the future. European Heart Journal, 2014, 35, 1642-1651.	2.2	341
41	Brugada syndrome risk loci seem protective against atrial fibrillation. European Journal of Human Genetics, 2014, 22, 1357-1361.	2.8	13
42	A Century of Optocardiography. IEEE Reviews in Biomedical Engineering, 2014, 7, 115-125.	18.0	30
43	From GWAS to function: Genetic variation in sodium channel gene enhancer influences electrical patterning. Trends in Cardiovascular Medicine, 2014, 24, 99-104.	4.9	9
44	Sudden cardiac death from parvovirus B19 myocarditis in a young man with Brugada syndrome. Journal of Clinical Forensic and Legal Medicine, 2014, 25, 8-13.	1.0	12
45	Targeting sodium channels in cardiac arrhythmia. Current Opinion in Pharmacology, 2014, 15, 53-60.	3.5	28
46	Complex genetic background in a large family with Brugada syndrome. Physiological Reports, 2015, 3, e12256.	1.7	9
47	Contribution of Cardiac Sodium Channel Î²-Subunit Variants to Brugada Syndrome. Circulation Journal, 2015, 79, 2118-2129.	1.6	9
48	Channelopathies - Emerging Trends in The Management of Inherited Arrhythmias. Indian Pacing and Electrophysiology Journal, 2015, 15, 43-54.	0.6	6
49	Genetics of channelopathies associated with sudden cardiac death. Global Cardiology Science & Practice, 2015, 2015, 39.	0.4	29
50	A post GWAS association study of SNPs associated with cleft lip with or without cleft palate in submucous cleft palate. American Journal of Medical Genetics, Part A, 2015, 167, 670-673.	1.2	9
51	Genetic Analysis of Arrhythmogenic Diseases in the Era of NGS: The Complexity of Clinical Decision-Making in Brugada Syndrome. PLoS ONE, 2015, 10, e0133037.	2.5	46
52	Sudden cardiac death in the young: the molecular autopsy and a practical approach to surviving relatives. European Heart Journal, 2015, 36, 1290-1296.	2.2	217
53	Analysis for Genetic Modifiers of Disease Severity in Patients With Long-QT Syndrome Type 2. Circulation: Cardiovascular Genetics, 2015, 8, 447-456.	5.1	51
54	Genetics of Sudden Cardiac Death. Circulation Research, 2015, 116, 1919-1936.	4.5	211
55	Everybody has Brugada syndrome until proven otherwise?. Heart Rhythm, 2015, 12, 1595-1598.	0.7	47
56	High prevalence of concealed Brugada syndrome in patients with atrioventricular nodal reentrant tachycardia. Heart Rhythm, 2015, 12, 1584-1594.	0.7	86

#	Article	IF	Citations
57	Inherited ion channel diseases: a brief review. Europace, 2015, 17, ii1-ii6.	1.7	50
58	Use of Whole Exome Sequencing for the Identification of I _{to} â€Based Arrhythmia Mechanism and Therapy. Journal of the American Heart Association, 2015, 4, .	3.7	16
59	Common Genetic Variants and Risk of Ischemic Heart Failure: An Evaluation of a Negative Genetic Study. Cardiology, 2015, 130, 167-168.	1.4	0
60	Role of common and rare variants in SCN10A: results from the Brugada syndrome QRS locus gene discovery collaborative study. Cardiovascular Research, 2015, 106, 520-529.	3.8	108
61	The ARVD/C Genetic Variants Database: 2014 Update. Human Mutation, 2015, 36, 403-410.	2.5	77
62	Testing the burden of rare variation in arrhythmia-susceptibility genes provides new insights into molecular diagnosis for Brugada syndrome. Human Molecular Genetics, 2015, 24, 2757-2763.	2.9	130
63	Common and Rare Variants in SCN10A Modulate the Risk of Atrial Fibrillation. Circulation: Cardiovascular Genetics, 2015, 8, 64-73.	5.1	50
64	The effects of A-803467 on cardiac Nav1.5 channels. European Journal of Pharmacology, 2015, 754, 52-60.	3.5	9
65	Canonical Wnt Signaling Regulates Atrioventricular Junction Programming and Electrophysiological Properties. Circulation Research, 2015, 116, 398-406.	4.5	90
66	High-throughput genetic characterization of a cohort of Brugada syndrome patients. Human Molecular Genetics, 2015, 24, 5828-5835.	2.9	35
67	Cellular hyper-excitability caused by mutations that alter the activation process of voltage-gated sodium channels. Frontiers in Physiology, 2015, 6, 45.	2.8	11
68	Novel therapeutic strategies for the management of ventricular arrhythmias associated with the Brugada syndrome. Expert Opinion on Orphan Drugs, 2015, 3, 633-651.	0.8	19
69	Genetic background of Brugada syndrome is more complex than what we would like it to be!. Cardiovascular Research, 2015, 106, 351-352.	3.8	6
70	Inherited progressive cardiac conduction disorders. Current Opinion in Cardiology, 2015, 30, 33-39.	1.8	66
71	J-wave syndromes: Brugada and early repolarization syndromes. Heart Rhythm, 2015, 12, 1852-1866.	0.7	120
72	Update on the Diagnosis and Management of Brugada Syndrome. Heart Lung and Circulation, 2015, 24, 1141-1148.	0.4	40
73	Electrocardiographic methods for diagnosis and risk stratification in the Brugada syndrome. Journal of the Saudi Heart Association, 2015, 27, 96-108.	0.4	19
74	Common and Rare Variants in SCN10A Modulate the Risk of Atrial Fibrillation. Circulation: Cardiovascular Genetics, 2015, 8, 64-73.	5.1	59

#	Article	IF	Citations
75	The Informatics of Developmental Phenotypes. , 2016, , 307-318.		3
76	Physiology and Pathophysiology of Sodium Channel Inactivation. Current Topics in Membranes, 2016, 78, 479-509.	0.9	47
77	The Brugada Syndrome: A Rare Arrhythmia Disorder with Complex Inheritance. Frontiers in Cardiovascular Medicine, 2016, 3, 9.	2.4	48
78	Electrophysiological Mechanisms of Brugada Syndrome: Insights from Pre-clinical and Clinical Studies. Frontiers in Physiology, 2016, 7, 467.	2.8	39
79	Next-Generation Sequencing in Post-mortem Genetic Testing of Young Sudden Cardiac Death Cases. Frontiers in Cardiovascular Medicine, 2016, 3, 13.	2.4	20
80	Infantile Pain Episodes Associated with Novel Nav1.9 Mutations in Familial Episodic Pain Syndrome in Japanese Families. PLoS ONE, 2016, 11, e0154827.	2.5	38
81	Physiological and Pathophysiological Insights of Nav1.4 and Nav1.5 Comparison. Frontiers in Pharmacology, 2015, 6, 314.	3.5	40
82	Complexity of Molecular Genetics in the Inherited Cardiac Arrhythmias. , 2016, , 345-368.		1
83	Brugada syndrome. Current Opinion in Cardiology, 2016, 31, 37-45.	1.8	20
84	J Wave Syndrome-Susceptibility Mutations Versus Benign Rare Variants: How Do We Decide?. , 2016, , 91-120.		0
85	Autopsy: Molecular. , 2016, , 290-296.		0
86	A SCN10A SNP biases human pain sensitivity. Molecular Pain, 2016, 12, 174480691666608.	2.1	40
87	New Insights Into the Genetic Basis of Inherited Arrhythmia Syndromes. Circulation: Cardiovascular Genetics, 2016, 9, 569-577.	5.1	45
88	Reply. Journal of the American College of Cardiology, 2016, 67, 1658-1659.	2.8	1
89	Molecular autopsy in victims of inherited arrhythmias. Journal of Arrhythmia, 2016, 32, 359-365.	1.2	46
90	IRX3 variant as a modifier of Brugada syndrome with frequent ventricular fibrillation. HeartRhythm Case Reports, 2016, 2, 465-468.	0.4	6
91	Genetics of Brugada syndrome. Journal of Arrhythmia, 2016, 32, 418-425.	1.2	79
92	Cardiac Sodium Channel Mutations. Current Topics in Membranes, 2016, 78, 513-559.	0.9	15

#	Article	IF	Citations
93	Notch-Mediated Epigenetic Regulation of Voltage-Gated Potassium Currents. Circulation Research, 2016, 119, 1324-1338.	4.5	31
94	Role of Genetic Testing in Patients with Ventricular Arrhythmias in Apparently Normal Hearts. Cardiac Electrophysiology Clinics, 2016, 8, 515-523.	1.7	2
95	Pathogenesis and management of Brugada syndrome. Nature Reviews Cardiology, 2016, 13, 744-756.	13.7	89
96	Variants in the SCN5A Promoter Associated With Various Arrhythmia Phenotypes. Journal of the American Heart Association, 2016, 5, .	3.7	22
97	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Europace, 2017, 19, euw235.	1.7	172
98	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Heart Rhythm, 2016, 13, e295-e324.	0.7	322
99	hiPSC-derived cardiomyocytes from Brugada Syndrome patients without identified mutations do not exhibit clear cellular electrophysiological abnormalities. Scientific Reports, 2016, 6, 30967.	3.3	64
100	Jâ€Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Journal of Arrhythmia, 2016, 32, 315-339.	1.2	125
101	KCNN2 polymorphisms and cardiac tachyarrhythmias. Medicine (United States), 2016, 95, e4312.	1.0	11
102	Notch, lipids, and endothelial cells. Current Opinion in Lipidology, 2016, 27, 513-520.	2.7	27
103	Twenty-eight genetic loci associated with ST-T-wave amplitudes of the electrocardiogram. Human Molecular Genetics, 2016, 25, 2093-2103.	2.9	24
104	Meta-analysis of 375,000 individuals identifies 38 susceptibility loci for migraine. Nature Genetics, 2016, 48, 856-866.	21.4	520
105	Recent advances in genetic testing and counseling for inherited arrhythmias. Journal of Arrhythmia, 2016, 32, 389-397.	1.2	27
106	Dysfunction of the Voltageâ€Gated K ⁺ Channel Î²2 Subunit in a Familial Case of Brugada Syndrome. Journal of the American Heart Association, 2016, 5, .	3.7	20
107	An integrated analysis tool for analyzing hybridization intensities and genotypes using new-generation population-optimized human arrays. BMC Genomics, 2016, 17, 266.	2.8	2
108	J Wave Syndromes. , 2016, , .		1
109	Etiology and Morphogenesis of Congenital Heart Disease. , 2016, , .		19
110	Sudden unexpected death in epilepsy genetics: Molecular diagnostics and prevention. Epilepsia, 2016, 57, 17-25.	5.1	74

#	Article	IF	Citations
111	NovelSCN10Avariants associated with Brugada syndrome. Europace, 2016, 18, 905-911.	1.7	31
112	SCN4A variants and Brugada syndrome: phenotypic and genotypic overlap between cardiac and skeletal muscle sodium channelopathies. European Journal of Human Genetics, 2016, 24, 400-407.	2.8	33
113	The electrophysiological development of cardiomyocytes. Advanced Drug Delivery Reviews, 2016, 96, 253-273.	13.7	63
114	Embryonic development of the right ventricular outflow tract and arrhythmias. Heart Rhythm, 2016, 13, 616-622.	0.7	13
115	The formation and function of the cardiac conduction system. Development (Cambridge), 2016, 143, 197-210.	2.5	171
116	Human Genetics of Arrhythmias. , 2016, , 721-736.		0
117	Ion Channel Diseases: an Update for 2016. Current Treatment Options in Cardiovascular Medicine, 2016, 18, 21.	0.9	4
118	Impact of clinical and genetic findings on the management of young patients with Brugada syndrome. Heart Rhythm, 2016, 13, 1274-1282.	0.7	89
119	Mutational analysis of mitochondrial DNA in Brugada syndrome. Cardiovascular Pathology, 2016, 25, 47-54.	1.6	13
120	Sodium channel Na _v 1.8. Neurology, 2016, 86, 473-483.	1.1	83
121	Common Variant Near HEY2 Has a Protective Effect on Ventricular Fibrillation Occurrence in Brugada Syndrome by Regulating the Repolarization Current. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e003436.	4.8	8
122	Channelopathy-related SCN10A gene variants predict cerebellar dysfunction in multiple sclerosis. Neurology, 2016, 86, 410-417.	1.1	23
123	Mouse Models of Cerebral Arteriovenous Malformation. Stroke, 2016, 47, 293-300.	2.0	18
124	Risk stratification in Brugada syndrome: Clinical characteristics, electrocardiographic parameters, and auxiliary testing. Heart Rhythm, 2016, 13, 299-310.	0.7	98
125	Brugada Syndrome: Clinical, Genetic, Molecular, Cellular, and Ionic Aspects. Current Problems in Cardiology, 2016, 41, 7-57.	2.4	96
126	The role of genetic testing in unexplained sudden death. Translational Research, 2016, 168, 59-73.	5.0	33
127	Genetics of Brugada syndrome. Journal of Human Genetics, 2016, 61, 57-60.	2.3	54
128	Association of common and rare variants of SCN10A gene with sudden unexplained nocturnal death syndrome in Chinese Han population. International Journal of Legal Medicine, 2017, 131, 53-60.	2.2	17

#	Article	IF	Citations
129	Bosco: Boosting Corrections for Genome-Wide Association Studies With Imbalanced Samples. IEEE Transactions on Nanobioscience, 2017, 16, 69-77.	3.3	11
130	Brugada syndrome: Diagnosis, risk stratification and management. Archives of Cardiovascular Diseases, 2017, 110, 188-195.	1.6	61
131	Imaging cardiac SCN5A using the novel F-18 radiotracer radiocaine. Scientific Reports, 2017, 7, 42136.	3.3	6
132	Tachycardia-bradycardia syndrome: Electrophysiological mechanisms and future therapeutic approaches (Review). International Journal of Molecular Medicine, 2017, 39, 519-526.	4.0	28
133	The QUIDAM study: Hydroquinidine therapy for the management of Brugada syndrome patients at high arrhythmic risk. Heart Rhythm, 2017, 14, 1147-1154.	0.7	54
134	Editorial commentary: Genetic contributions to cardiovascular disease: The blurred lines between monogenic and polygenic traits. Trends in Cardiovascular Medicine, 2017, 27, 405-407.	4.9	0
135	Utility of Post-Mortem Genetic Testing in Cases of Sudden Arrhythmic Death Syndrome. Journal of the American College of Cardiology, 2017, 69, 2134-2145.	2.8	219
136	Relevance of molecular testing in patients with a family history of sudden death. Forensic Science International, 2017, 276, 18-23.	2.2	6
137	Systematic ajmaline challenge in patients with long QT 3 syndrome caused by the most common mutation: a multicentre study. Europace, 2017, 19, 1723-1729.	1.7	10
138	Twelve-lead ambulatory electrocardiographic monitoring in Brugada syndrome: Potential diagnostic and prognostic implications. Heart Rhythm, 2017, 14, 866-874.	0.7	47
139	Brugada syndrome: A general cardiologist's perspective. European Journal of Internal Medicine, 2017, 44, 19-27.	2.2	32
140	The Brugada Syndrome Susceptibility Gene HEY2 Modulates Cardiac Transmural Ion Channel Patterning and Electrical Heterogeneity. Circulation Research, 2017, 121, 537-548.	4.5	63
141	Drug-induced fatal arrhythmias: Acquired long QT and Brugada syndromes. , 2017, 176, 48-59.		29
142	The future of sudden cardiac death research. Progress in Pediatric Cardiology, 2017, 45, 49-54.	0.4	5
143	Genotype-phenotype dilemma in a case of sudden cardiac death with the E1053K mutation and a deletion in the SCN5A gene. Forensic Science International, 2017, 275, 187-194.	2.2	14
144	Channelopathies, genetic testing and risk stratification. International Journal of Cardiology, 2017, 237, 53-55.	1.7	13
145	Syncope in patients with inherited arrhythmias. Journal of Arrhythmia, 2017, 33, 572-578.	1.2	7
146	Large Genomic Rearrangements of Desmosomal Genes in Italian Arrhythmogenic Cardiomyopathy Patients. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	35

#	Article	IF	Citations
147	Beyond the Electrocardiogram: Mutations in Cardiac Ion Channel Genes Underlie Nonarrhythmic Phenotypes. Clinical Medicine Insights: Cardiology, 2017, 11, 117954681769813.	1.8	7
148	Revisiting the sensitivity of sodium channel blocker testing in Brugada syndrome using obligate transmittance. International Journal of Cardiology, 2017, 245, 183-184.	1.7	4
149	Heritability in a SCN5A -mutation founder population with increased female susceptibility to non-nocturnal ventricular tachyarrhythmia and sudden cardiac death. Heart Rhythm, 2017, 14, 1873-1881.	0.7	23
150	Multiple Gene Variants in Hypertrophic Cardiomyopathy in the Era of Next-Generation Sequencing. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	86
151	Value of the sodium-channel blocker challenge in Brugada syndrome. International Journal of Cardiology, 2017, 245, 178-180.	1.7	17
152	Fifteen Genetic Loci Associated With the Electrocardiographic P Wave. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	38
153	Influence of functional polymorphism in MIF promoter on sudden cardiac death in Chinese populations. Forensic Sciences Research, 2017, 2, 152-157.	1.6	5
154	Channelopathies as Causes of Sudden Cardiac Death. Cardiac Electrophysiology Clinics, 2017, 9, 537-549.	1.7	28
155	Ajmaline blocks I Na and I Kr without eliciting differences between Brugada syndrome patient and control human pluripotent stem cell-derived cardiac clusters. Stem Cell Research, 2017, 25, 233-244.	0.7	25
156	Migrainomics â€" identifying brain and genetic markers of migraine. Nature Reviews Neurology, 2017, 13, 725-741.	10.1	37
157	Unmasking the molecular link between arrhythmogenic cardiomyopathy and Brugada syndrome. Nature Reviews Cardiology, 2017, 14, 744-756.	13.7	51
158	Risk of arrhythmic events in drug-induced Brugada syndrome. Heart Rhythm, 2017, 14, 1434-1435.	0.7	6
159	Reassessment of Mendelian gene pathogenicity using 7,855 cardiomyopathy cases and 60,706 reference samples. Genetics in Medicine, 2017, 19, 192-203.	2.4	585
160	Numerous Brugada syndromeâ€"associated genetic variants have no effect on J-point elevation, syncope susceptibility, malignant cardiac arrhythmia, and all-cause mortality. Genetics in Medicine, 2017, 19, 521-528.	2.4	26
162	Development and Function of the Cardiac Conduction System in Health and Disease. Journal of Cardiovascular Development and Disease, 2017, 4, 7.	1.6	30
163	Whole-exome sequencing identifies a novel mutation (R367G) in SCN5A to be associated with familial cardiac conduction disease. Molecular Medicine Reports, 2017, 16, 410-414.	2.4	4
164	Cardiac Channelopathies and Sudden Death: Recent Clinical and Genetic Advances. Biology, 2017, 6, 7.	2.8	88
165	A Common Variant in SCN5A and the Risk of Ventricular Fibrillation Caused by First ST-Segment Elevation Myocardial Infarction. PLoS ONE, 2017, 12, e0170193.	2.5	17

#	Article	IF	Citations
166	Brugada syndrome: a fatal disease with complex genetic etiologiesÂâ€“Âstill a long way to go. Forensic Sciences Research, 2017, 2, 115-125.	1.6	6
167	Implantable Cardioverter-Defibrillators in Inherited Arrhythmia Syndromes. , 2017, , 566-578.		0
168	A variant in the SCN10A enhancer may affect human mechanical pain sensitivity. Molecular Pain, 2018, 14, 174480691876327.	2.1	8
169	Brugada syndrome and sinus node dysfunction. Journal of Arrhythmia, 2018, 34, 216-221.	1.2	19
170	Genetic risk stratification in cardiac arrhythmias. Current Opinion in Cardiology, 2018, 33, 298-303.	1.8	9
171	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. Nature Communications, 2018, 9, 1373.	12.8	77
172	Notch signaling regulates Hey2 expression in a spatiotemporal dependent manner during cardiac morphogenesis and trabecular specification. Scientific Reports, 2018, 8, 2678.	3.3	20
173	Targeted next generation sequencing in a young population with suspected inherited malignant cardiac arrhythmias. European Journal of Human Genetics, 2018, 26, 303-313.	2.8	7
174	Inherited Conduction Disease and Atrial Fibrillation. , 2018, , 481-522.		0
175	Recent insights on the role of TRP channels in cardiac muscle. Current Opinion in Physiology, 2018, 1, 172-184.	1.8	5
176	Controversies in Brugada syndrome. Trends in Cardiovascular Medicine, 2018, 28, 284-292.	4.9	10
177	Clinical Spectrum of SCN5A Mutations. JACC: Clinical Electrophysiology, 2018, 4, 569-579.	3.2	198
178	Genotypeâ€“phenotype relationship and risk stratification in lossâ€ofâ€function SCN 5A mutation carriers. Annals of Noninvasive Electrocardiology, 2018, 23, e12548.	1.1	6
179	Fates Aligned: Origins and Mechanisms of Ventricular Conduction System and Ventricular Wall Development. Pediatric Cardiology, 2018, 39, 1090-1098.	1.3	8
180	The Diagnostic Yield of Brugada Syndrome After Sudden Death WithÂNormal Autopsy. Journal of the American College of Cardiology, 2018, 71, 1204-1214.	2.8	84
181	Deleterious proteinâ€altering mutations in the <scp>SCN10A</scp> voltageâ€gated sodium channel gene are associated with prolonged <scp>QT</scp>. Clinical Genetics, 2018, 93, 741-751.	2.0	9
182	The Genetics of Pain: Implications for Therapeutics. Annual Review of Pharmacology and Toxicology, 2018, 58, 123-142.	9.4	49
183	Harnessing the power of microRNAs as prognostic biomarkers in acute heart failure. European Journal of Heart Failure, 2018, 20, 97-99.	7.1	1

#	Article	IF	Citations
184	Genetic, Ionic, and Cellular Mechanisms Underlying the J Wave Syndromes. , 2018, , 483-493.		1
185	Pharmacogenomics of Cardiac Arrhythmias. , 2018, , 525-530.		0
186	Progressive Conduction System Disease. , 2018, , 996-1002.		0
187	OBSOLETE: Brugada Syndrome. , 2018, , .		0
188	Mechanisms Underlying the Actions of Antidepressant and Antipsychotic Drugs That Cause Sudden Cardiac Arrest. Arrhythmia and Electrophysiology Review, 2018, 7, 199.	2.4	33
189	Growing Pains in Cardiovascular Genetics. Circulation, 2018, 138, 1206-1209.	1.6	3
190	Familial episodic limb pain in kindreds with novel Nav1.9 mutations. PLoS ONE, 2018, 13, e0208516.	2.5	12
191	Pleiotropic Phenotypes Associated With PKP2 Variants. Frontiers in Cardiovascular Medicine, 2018, 5, 184.	2.4	23
193	Cardiac Sodium Channel (Dys)Function and Inherited Arrhythmia Syndromes. Cardiac and Vascular Biology, 2018, , 9-45.	0.2	2
194	Predicting Penetrance ofSCN5ARare Variants. Circulation Genomic and Precision Medicine, 2018, 11, e002166.	3.6	3
195	SCN10A-Dependent Late I Na Current. Circulation Genomic and Precision Medicine, 2018, 11, e002167.	3.6	3
197	Progress of Genomics in Cardiac Conduction and Rhythm Disorders. Translational Bioinformatics, 2018, , 241-280.	0.0	0
198	Genetic and Phenotypic Characterization of Community Hospital Patients With QT Prolongation. Journal of the American Heart Association, 2018, 7, e009706.	3.7	6
199	Differential Wnt-mediated programming and arrhythmogenesis in right versus left ventricles. Journal of Molecular and Cellular Cardiology, 2018, 123, 92-107.	1.9	16
200	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. Circulation Genomic and Precision Medicine, 2018, 11, e002037.	3.6	19
201	J-Wave Syndromes. Cardiac Electrophysiology Clinics, 2018, 10, 355-369.	1.7	14
202	Common Grounds for Family Maladies. Neuron, 2018, 98, 671-672.	8.1	2
203	Lack of genotype-phenotype correlation in Brugada Syndrome and Sudden Arrhythmic Death Syndrome families with reported pathogenic SCN1B variants. Heart Rhythm, 2018, 15, 1051-1057.	0.7	15

#	Article	IF	Citations
204	Recent advances in the treatment of Brugada syndrome. Expert Review of Cardiovascular Therapy, 2018, 16, 387-404.	1.5	15
205	Relations between right ventricular morphology and clinical, electrical and genetic parameters in Brugada Syndrome. PLoS ONE, 2018, 13, e0195594.	2.5	23
206	Brugada Syndrome-Associated Genetic Loci Are Associated With J-Point Elevation and an Increased Risk of Cardiac Arrest. Frontiers in Physiology, 2018, 9, 894.	2.8	2
207	Incomplete Penetrance and Variable Expressivity: Hallmarks in Channelopathies Associated with Sudden Cardiac Death. Biology, 2018, 7, 3.	2.8	25
208	Ion Channel Disorders and Sudden Cardiac Death. International Journal of Molecular Sciences, 2018, 19, 692.	4.1	65
209	Multi-Scale Assessments of Cardiac Electrophysiology Reveal Regional Heterogeneity in Health and Disease. Journal of Cardiovascular Development and Disease, 2018, 5, 16.	1.6	1
210	Transcriptional regulation of theÂcardiac conduction system. Nature Reviews Cardiology, 2018, 15, 617-630.	13.7	84
211	J wave syndromes as a cause of malignant cardiac arrhythmias. PACE - Pacing and Clinical Electrophysiology, 2018, 41, 684-699.	1.2	18
212	Brugada Syndrome: Progress in Genetics, Risk Stratification and Management. Arrhythmia and Electrophysiology Review, 2019, 8, 19-27.	2.4	9
213	Beyond the One Geneâ€“One Disease Paradigm. Circulation, 2019, 140, 595-610.	1.6	101
214	Tbx3-Mediated Regulation of Cardiac Conduction System Development and Function: Potential Contributions of Alternative RNA Processing. Pediatric Cardiology, 2019, 40, 1388-1400.	1.3	0
215	Evaluation After Sudden Death in the Young. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007453.	4.8	19
216	VariED: the first integrated database of gene annotation and expression profiles for variants related to human diseases. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	7
217	Transcriptional and Epigenetic Regulation of Cardiac Electrophysiology. Pediatric Cardiology, 2019, 40, 1325-1330.	1.3	8
218	Genetic susceptibility and the Brugada syndrome. European Heart Journal, 2019, 40, 3094-3096.	2.2	3
219	An enhancer cluster controls gene activity and topology of the SCN5A-SCN10A locus in vivo. Nature Communications, 2019, 10, 4943.	12.8	24
220	A great first step, but a long way to go. European Heart Journal, 2019, 40, 3108-3109.	2.2	4
221	Predicting cardiac electrical response to sodium-channel blockade and Brugada syndrome using polygenic risk scores. European Heart Journal, 2019, 40, 3097-3107.	2.2	55

#	Article	IF	Citations
223	Impact of Ancestral Differences and Reassessment of the Classification of Previously Reported Pathogenic Variants in Patients With Brugada Syndrome in the Genomic Era: A SADS-TW BrS Registry. Frontiers in Genetics, 2018, 9, 680.	2.3	9
224	Clinical Characteristics and Electrophysiological Mechanisms Underlying Brugada ECG in Patients With Severe Hyperkalemia. Journal of the American Heart Association, 2019, 8, e010115.	3.7	20
225	Sudden Cardiac Death (SCD) â€“ risk stratification and prediction with molecular biomarkers. Journal of Biomedical Science, 2019, 26, 39.	7.0	30
226	Genotype/Phenotype Relationship in a Consanguineal Family With Brugada Syndrome Harboring the R1632C Missense Variant in the SCN5A Gene. Frontiers in Physiology, 2019, 10, 666.	2.8	11
227	Genotypeâ€“phenotype association in patients with SCN4A mutation. Lancet, The, 2019, 393, 2301.	13.7	1
228	Functional characterization of SCN10A variants in several cases of sudden unexplained death. Forensic Science International, 2019, 301, 289-298.	2.2	10
229	RRAD mutation causes electrical and cytoskeletal defects in cardiomyocytes derived from a familial case of Brugada syndrome. European Heart Journal, 2019, 40, 3081-3094.	2.2	48
230	Multiple SCN5A variant enhancers modulate its cardiac gene expression and the QT interval. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10636-10645.	7.1	22
231	Experimental Models of Brugada syndrome. International Journal of Molecular Sciences, 2019, 20, 2123.	4.1	28
232	Increasing sensitivityâ€”aÂcommon-sense approach?. Netherlands Heart Journal, 2019, 27, 287-288.	0.8	0
233	Genetic interpretation and clinical translation of minor genes related to Brugada syndrome. Human Mutation, 2019, 40, 749-764.	2.5	32
234	Recent understanding of clinical sequencing and gene-based risk stratification in inherited primary arrhythmia syndrome. Journal of Cardiology, 2019, 73, 335-342.	1.9	33
235	Genetics and clinics: current applications, limitations, and future developments. European Heart Journal Supplements, 2019, 21, B7-B14.	0.1	0
236	The Role of Voltage-Gated Sodium Channels in Pain Signaling. Physiological Reviews, 2019, 99, 1079-1151.	28.8	408
237	NS5806 Induces Electromechanically Discordant Alternans and Arrhythmogenic Voltage-Calcium Dynamics in the Isolated Intact Rabbit Heart. Frontiers in Physiology, 2019, 10, 1509.	2.8	5
238	Absence of Functional Nav1.8 Channels in Non-diseased Atrial and Ventricular Cardiomyocytes. Cardiovascular Drugs and Therapy, 2019, 33, 649-660.	2.6	23
239	The Role of Nav1.8 in Cardiac Electrophysiologyâ€”a Matter of the Heart or the Nerve?. Cardiovascular Drugs and Therapy, 2019, 33, 645-647.	2.6	5
240	Massively parallel sequencing in sudden unexpected death in infants: A case report in South Africa. Forensic Science International: Genetics Supplement Series, 2019, 7, 459-461.	0.3	2

#	Article	IF	Citations
241	Age-related Hearing Loss Is Strongly Associated With Cognitive Decline Regardless of the APOE4 Polymorphism. Otology and Neurotology, 2019, 40, 1263-1267.	1.3	17
242	Allele-specific NKX2-5 binding underlies multiple genetic associations with human electrocardiographic traits. Nature Genetics, 2019, 51, 1506-1517.	21.4	35
243	A balanced translocation disrupting SCN5A in a family with Brugada syndrome and sudden cardiac death. Heart Rhythm, 2019, 16, 231-238.	0.7	13
244	Systematic reâ€evaluation of SCN5A variants associated with Brugada syndrome. Journal of Cardiovascular Electrophysiology, 2019, 30, 118-127.	1.7	36
245	Transcriptomic Characterization of a Human In Vitro Model of Arrhythmogenic Cardiomyopathy Under Topological and Mechanical Stimuli. Annals of Biomedical Engineering, 2019, 47, 852-865.	2.5	16
246	SCN5A variants in Brugada syndrome: True, true false, or false true. Journal of Cardiovascular Electrophysiology, 2019, 30, 128-131.	1.7	5
247	Channelopathies That Lead to Sudden Cardiac Death: Clinical and Genetic Aspects. Heart Lung and Circulation, 2019, 28, 22-30.	0.4	108
248	Epidemiology of inherited arrhythmias. Nature Reviews Cardiology, 2020, 17, 205-215.	13.7	37
249	Higher risk at the lower end of the age spectrum in Brugada syndrome. Heart Rhythm, 2020, 17, 750-751.	0.7	0
250	Brugada Syndrome: Clinical Care Amidst Pathophysiological Uncertainty. Heart Lung and Circulation, 2020, 29, 538-546.	0.4	4
251	Age at diagnosis of Brugada syndrome: Influence on clinical characteristics and risk of arrhythmia. Heart Rhythm, 2020, 17, 743-749.	0.7	27
252	Channelopathies in clinical medicineâ€"cardiac arrhythmias. , 2020, , 133-152.		0
253	Genetic Testing in Inherited Heart Diseases. Heart Lung and Circulation, 2020, 29, 505-511.	0.4	34
254	Number of electrocardiogram leads in the diagnosis of spontaneous Brugada syndrome. Archives of Cardiovascular Diseases, 2020, 113, 152-158.	1.6	0
255	Update on Genetic Basis of Brugada Syndrome: Monogenic, Polygenic or Oligogenic?. International Journal of Molecular Sciences, 2020, 21, 7155.	4.1	36
256	Importance of endothelial Hey1 expression for thoracic great vessel development and its distal enhancer for Notch-dependent endothelial transcription. Journal of Biological Chemistry, 2020, 295, 17632-17645.	3.4	8
257	Recognition and clinical implications of high prevalence of migraine in patients with Brugada syndrome and drugâ€induced type 1 Brugada pattern. Journal of Cardiovascular Electrophysiology, 2020, 31, 3311-3317.	1.7	3
258	The Gridlock transcriptional repressor impedes vertebrate heart regeneration by restricting expression of lysine methyltransferase. Development (Cambridge), 2020, 147, .	2.5	8

#	Article	IF	Citations
259	Brugada syndrome. Acta Cardiologica, 2021, 76, 805-824.	0.9	5
260	Inherited cardiac arrhythmias. Nature Reviews Disease Primers, 2020, 6, 58.	30.5	146
262	Molecular Determinants of Cardiac Arrhythmias. Hearts, 2020, 1, 146-148.	0.9	1
263	Role of Non-Coding Variants in Brugada Syndrome. International Journal of Molecular Sciences, 2020, 21, 8556.	4.1	6
264	Epigenomic and Transcriptomic Dynamics During Human Heart Organogenesis. Circulation Research, 2020, 127, e184-e209.	4.5	27
265	GSTM3 variant is a novel genetic modifier in Brugada syndrome, a disease with risk of sudden cardiac death. EBioMedicine, 2020, 57, 102843.	6.1	14
266	A high number of â€˜naturalâ€™ mitochondrial DNA polymorphisms in a symptomatic Brugada syndrome type 1 patient. Journal of Genetics, 2020, 99, 1.	0.7	3
267	Cardiogenetics, 25Âyears aÂgrowing subspecialism. Netherlands Heart Journal, 2020, 28, 39-43.	0.8	5
268	Relationship between sodium channel function and clinical phenotype in SCN5A variants associated with Brugada syndrome. Human Mutation, 2020, 41, 2195-2204.	2.5	9
270	The puzzle of genetics in Brugada syndrome: a disease with a high risk of sudden cardiac death in young people. Annals of Palliative Medicine, 2020, 9, 4394-4397.	1.2	0
271	Inherited Cardiac Arrhythmia Syndromes: Focus on Molecular Mechanisms Underlying TRPM4 Channelopathies. Cardiovascular Therapeutics, 2020, 2020, 1-10.	2.5	19
272	SCN5A Mutation Type and a Genetic Risk Score Associate Variably With Brugada Syndrome Phenotype in SCN5A Families. Circulation Genomic and Precision Medicine, 2020, 13, e002911.	3.6	41
273	When genetic burden reaches threshold. European Heart Journal, 2020, 41, 3849-3855.	2.2	40
274	Transethnic Genome-Wide Association Study Provides Insights in the Genetic Architecture and Heritability of Long QT Syndrome. Circulation, 2020, 142, 324-338.	1.6	83
275	Corrected QT Intervalâ€“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.	3.6	21
276	Genome-wide association studies of cardiac electrical phenotypes. Cardiovascular Research, 2020, 116, 1620-1634.	3.8	18
277	High-Throughput Reclassification of SCN5A Variants. American Journal of Human Genetics, 2020, 107, 111-123.	6.2	88
278	Validation and Disease Risk Assessment of Previously Reported Genome-Wide Genetic Variants Associated With Brugada Syndrome. Circulation Genomic and Precision Medicine, 2020, 13, e002797.	3.6	12

#	Article	IF	Citations
279	From Genome-Wide Association Studies to Cardiac Electrophysiology: Through the Maze of Biological Complexity. Frontiers in Physiology, 2020, 11, 557.	2.8	4
280	Brugada Syndrome: Oligogenic or Mendelian Disease?. International Journal of Molecular Sciences, 2020, 21, 1687.	4.1	45
281	Epigenetic and Transcriptional Networks Underlying Atrial Fibrillation. Circulation Research, 2020, 127, 34-50.	4.5	48
282	Common and rare susceptibility genetic variants predisposing to Brugada syndrome in Thailand. Heart Rhythm, 2020, 17, 2145-2153.	0.7	23
283	Prevalence and electrophysiological phenotype of rare SCN5A genetic variants identified in unexplained sudden cardiac arrest survivors. Europace, 2020, 22, 622-631.	1.7	9
284	Advantages and Perils of Clinical Whole-Exome and Whole-Genome Sequencing in Cardiomyopathy. Cardiovascular Drugs and Therapy, 2020, 34, 241-253.	2.6	21
285	The evolution of geneâ€guided management of inherited arrhythmia syndromes: Peering beyond monogenic paradigms towards comprehensive genomic risk scores. Journal of Cardiovascular Electrophysiology, 2020, 31, 2998-3008.	1.7	6
286	Time to Rethink the Genetic Architecture of Long QT Syndrome. Circulation, 2020, 141, 440-443.	1.6	11
287	Brugada syndrome: A comprehensive review of pathophysiological mechanisms and risk stratification strategies. IJC Heart and Vasculature, 2020, 26, 100468.	1.1	32
288	Atrial fibrillation in Brugada syndrome: Current perspectives. Journal of Cardiovascular Electrophysiology, 2020, 31, 975-984.	1.7	25
289	Development of the Cardiac Conduction System. Cold Spring Harbor Perspectives in Biology, 2020, 12, a037408.	5.5	20
290	Association of T66A polymorphism in CASQ2 with PR interval in aÂChinese population. Herz, 2021, 46, 123-129.	1.1	1
291	Brugada syndrome genetics is associated with phenotype severity. European Heart Journal, 2021, 42, 1082-1090.	2.2	59
292	Clinical characterization of the first Belgian SCN5A founder mutation cohort. Europace, 2021, 23, 918-927.	1.7	3
293	Brugada syndrome and arrhythmogenic cardiomyopathy: overlapping disorders of the connexome?. Europace, 2021, 23, 653-664.	1.7	16
294	Cardiac transmembrane ion channels and action potentials: cellular physiology and arrhythmogenic behavior. Physiological Reviews, 2021, 101, 1083-1176.	28.8	87
295	Germline variants in HEY2 functional domains lead to congenital heart defects and thoracic aortic aneurysms. Genetics in Medicine, 2021, 23, 103-110.	2.4	7
296	Brugada syndrome and reduced right ventricular outflow tract conduction reserve: a final common pathway?. European Heart Journal, 2021, 42, 1073-1081.	2.2	56

#	Article	IF	Citations
297	Illuminating the path from genetics to clinical outcome in Brugada syndrome. European Heart Journal, 2021, 42, 1091-1093.	2.2	12
298	Discovery of predictors of sudden cardiac arrest in diabetes: rationale and outline of the RESCUED (REcognition of Sudden Cardiac arrest vUlnErability in Diabetes) project. Open Heart, 2021, 8, e001554.	2.3	5
299	Genetic analysis of 39 erythrocytosis and hereditary hemochromatosisâ€associated genes in the Slovenian family with idiopathic erythrocytosis. Journal of Clinical Laboratory Analysis, 2021, 35, e23715.	2.1	5
300	Heart Disease and Stroke Statisticsâ€"2021 Update. Circulation, 2021, 143, e254-e743.	1.6	3,444
301	Cardiac channelopathies: diagnosis and contemporary management. Heart, 2021, 107, 1092-1099.	2.9	4
302	iPSC-Cardiomyocyte Models of Brugada Syndromeâ€"Achievements, Challenges and Future Perspectives. International Journal of Molecular Sciences, 2021, 22, 2825.	4.1	13
303	Familial Evaluation in Idiopathic Ventricular Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e009089.	4.8	15
304	Towards Mutation-Specific Precision Medicine in Atypical Clinical Phenotypes of Inherited Arrhythmia Syndromes. International Journal of Molecular Sciences, 2021, 22, 3930.	4.1	2
305	Analysis of Brugada syndrome loci reveals that fine-mapping clustered GWAS hits enhances the annotation of disease-relevant variants. Cell Reports Medicine, 2021, 2, 100250.	6.5	4
306	From polygenic risk scores to integrative epigenomics: the dawn of a new era for cardiovascular precision medicine. Cardiovascular Research, 2021, 117, e73-e75.	3.8	1
307	Brugada syndrome: current concepts and genetic background. Journal of Human Growth and Development, 2021, 31, 152-176.	0.6	4
308	Precision Medicine Approaches to Cardiac Arrhythmias. Journal of the American College of Cardiology, 2021, 77, 2573-2591.	2.8	10
309	Single-cell transcriptomics trajectory and molecular convergence of clinically relevant mutations in Brugada syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1935-H1948.	3.2	6
310	Genetics and genomics of arrhythmic risk: current and future strategies to prevent sudden cardiac death. Nature Reviews Cardiology, 2021, 18, 774-784.	13.7	15
311	Genetic investigations of 100 inherited cardiac disease-related genes in deceased individuals with schizophrenia. International Journal of Legal Medicine, 2021, 135, 1395-1405.	2.2	4
312	Flexible Electrodes for In Vivo and In Vitro Electrophysiological Signal Recording. Advanced Healthcare Materials, 2021, 10, e2100646.	7.6	62
313	Non-Coding RNAs in the Cardiac Action Potential and Their Impact on Arrhythmogenic Cardiac Diseases. Hearts, 2021, 2, 307-330.	0.9	2
314	Functionally validated SCN5A variants allow interpretation of pathogenicity and prediction of lethal events in Brugada syndrome. European Heart Journal, 2021, 42, 2854-2863.	2.2	37

#	Article	IF	Citations
315	A Novel SCN5A Variant Causes Temperature-Sensitive Loss Of Function in a Family with Symptomatic Brugada Syndrome, Cardiac Conduction Disease, and Sick Sinus Syndrome. Cardiology, 2021, 146, 754-762.	1.4	2
316	Overlap Arrhythmia Syndromes Resulting from Multiple Genetic Variations Studied in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. International Journal of Molecular Sciences, 2021, 22, 7108.	4.1	4
317	Common variants in SCN10A gene associated with Brugada syndrome. Human Molecular Genetics, 2021, 31, 157-165.	2.9	6
318	The Potential Effect of Nav1.8 in Autism Spectrum Disorder: Evidence From a Congenital Case With Compound Heterozygous SCN10A Mutations. Frontiers in Molecular Neuroscience, 2021, 14, 709228.	2.9	2
319	J wave syndromes: What's new?. Trends in Cardiovascular Medicine, 2022, 32, 350-363.	4.9	8
320	Frequency of Irritable Bowel Syndrome in Patients with Brugada Syndrome and Drug-Induced Type 1 Brugada Pattern. American Journal of Cardiology, 2021, 151, 51-56.	1.6	3
321	Variant Intronic Enhancer Controls SCN10A-short Expression and Heart Conduction. Circulation, 2021, 144, 229-242.	1.6	20
322	Genotype-Phenotype Correlation of SCN5A Genotype in Patients With Brugada Syndrome and Arrhythmic Events: Insights From the SABRUS in 392 Probands. Circulation Genomic and Precision Medicine, 2021, 14, e003222.	3.6	7
323	Genetic Testing for Heritable Cardiovascular Diseases in Pediatric Patients: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2021, 14, e000086.	3.6	43
324	Adding a â€œNotchâ€•to Cardiovascular Disease Therapeutics: A MicroRNA-Based Approach. Frontiers in Cell and Developmental Biology, 2021, 9, 695114.	3.7	15
325	Polymorphic Ventricular Tachycardia: Terminology, Mechanism, Diagnosis, and Emergency Therapy. Circulation, 2021, 144, 823-839.	1.6	23
327	The Relieving Effects of a Polyherb-Based Dietary Supplement ColonVita on Gastrointestinal Quality of Life Index (GIQLI) in Older Adults with Chronic Gastrointestinal Symptoms Are Influenced by Age and Cardiovascular Disease: A 12-Week Randomized Placebo-Controlled Trial. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-13.	1.2	0
328	Identification of a SCN5A founder mutation causing sudden death, Brugada syndrome, and conduction blocks in Southern Italy. Heart Rhythm, 2021, 18, 1698-1706.	0.7	2
329	The genomic architecture of the Brugada syndrome. Heart Rhythm, 2021, 18, 1707-1708.	0.7	3
330	Hypertrophic Cardiomyopathy: Genetic Testing and Risk Stratification. Current Cardiology Reports, 2021, 23, 9.	2.9	11
335	A common genetic variant within SCN10A modulates cardiac SCN5A expression. Journal of Clinical Investigation, 2014, 124, 1844-1852.	8.2	168
336	Nav-igating through a complex landscape: SCN10A and cardiac conduction. Journal of Clinical Investigation, 2014, 124, 1460-1462.	8.2	12
337	Genetically engineered SCN5A mutant pig hearts exhibit conduction defects and arrhythmias. Journal of Clinical Investigation, 2015, 125, 403-412.	8.2	93

#	Article	IF	Citations
338	A common variant alters SCN5Aâ€“miR-24 interaction and associates with heart failure mortality. Journal of Clinical Investigation, 2018, 128, 1154-1163.	8.2	34
339	Clinical and Genetic Diagnosis for Inherited Cardiac Arrhythmias. Journal of Nippon Medical School, 2014, 81, 203-210.	0.9	4
340	The Use of Non-Variant Sites to Improve the Clinical Assessment of Whole-Genome Sequence Data. PLoS ONE, 2015, 10, e0132180.	2.5	15
341	Italian recommendations for the management of pediatric patients under twelve years of age with suspected or manifest Brugada syndrome. Minerva Pediatrica, 2020, 72, 1-13.	2.7	6
342	The Diagnosis, Risk Stratification, and Treatment of Brugada Syndrome. Deutsches Ärzteblatt International, 2015, 112, 394-401.	0.9	24
343	Mechanisms of Arrhythmias in the Brugada Syndrome. International Journal of Molecular Sciences, 2020, 21, 7051.	4.1	22
344	Brugada Syndrome:Risk Stratification And Management. Journal of Atrial Fibrillation, 2016, 9, 1507.	0.5	4
345	Do age-associated changes of voltage-gated sodium channel isoforms expressed in the mammalian heart predispose the elderly to atrial fibrillation?. World Journal of Cardiology, 2020, 12, 123-135.	1.5	4
346	A1427S missense mutation in scn5a causes type 1 brugada pattern, recurrent ventricular tachyarrhythmias and right ventricular structural abnormalities. Research in Cardiovascular Medicine, 2017, 6, 10.	0.1	2
347	Brugada Syndrome: Warning of a Systemic Condition?. Frontiers in Cardiovascular Medicine, 2021, 8, 771349.	2.4	8
348	J-Wave Syndromes, SCN5A, and CardiacÂConduction Reserve. Journal of the American College of Cardiology, 2021, 78, 1618-1620.	2.8	4
349	Brugada syndrome: update and future perspectives. Heart, 2022, 108, 668-675.	2.9	20
350	Mechanisms in Heritable Sodium Channel Diseases. , 2014, , 491-500.		0
351	é²ä¼æ€§ä¸æ•´è„ˆã•ç§• Japanese Journal of Electrocardiology, 2015, 35, 165-167.	0.0	1
352	Brugada-Syndrom. , 2015, , 1-11.		0
353	Ionic and Cellular Mechanisms Underlying J Wave Syndromes. , 2016, , 33-76.		0
354	Hereditary Cardiac Conduction Diseases. , 2016, , 247-259.		0
355	Regulation of Vertebrate Conduction System Development. , 2016, , 269-280.		1

#	Article	IF	Citations
356	Brugada Syndrome. , 2016, , 175-191.		0
357	é¤ä¼æ€§ä¸æ•´è„ˆã®å±•æœ›. Journal of JCS Cardiologists, 2017, 25, 14-21.	0.0	0
358	Genomics of Cardiac Arrhythmias. Cardiovascular Medicine, 2017, , 27-36.	0.0	0
359	Brugada Syndrome: Evolving Insights and Emerging Treatment Strategies. Journal of Innovations in Cardiac Rhythm Management, 2017, 8, 2613-2622.	0.5	3
360	Molecular Genetics of ERS. , 2018, , 23-31.		0
361	Brugada Syndrome. , 2018, , 356-372.		0
362	Brugada Syndrome: Current Perspectives. Cardiac and Vascular Biology, 2018, , 187-214.	0.2	0
363	Genetic Testing for Inheritable Cardiac Channelopathies. Cardiac and Vascular Biology, 2018, , 323-358.	0.2	0
364	Genetic basis of channelopathies and cardiomyopathies in Hong Kong Chinese patients: a 10-year regional laboratory experience. Hong Kong Medical Journal, 2018, 24, 340-349.	0.1	6
366	Genetic Architecture, Pathophysiology, and Clinical Management of Brugada Syndrome. , 2020, , 285-299.		0
367	Brugada Syndrome. , 2020, , 25-39.		0
369	An inherited sudden cardiac arrest syndrome may be based on primary myocardial and autonomic nervous system abnormalities. Heart Rhythm, 2022, 19, 244-251.	0.7	4
370	Multisite conduction block in the epicardial substrate of Brugada syndrome. Heart Rhythm, 2022, 19, 417-426.	0.7	20
371	Hereditary Cardiac Conduction Diseases. , 2020, , 273-285.		0
372	Brugada Syndrome. , 2020, , 231-246.		0
373	Genetic Determinants Affecting the Relationship Between the Autonomic Nervous System and Sudden Death. , 2020, , 55-77.		0
374	J Wave Syndromes: Brugada and Early Repolarization Syndromes. Contemporary Cardiology, 2020, , 745-774.	0.1	0
375	Genetic Determinants Affecting the Relationship Between the Autonomic Nervous System and Sudden Death. , 2020, , 1-24.		0

#	Article	IF	Citations
376	Genetic and Molecular Basis of Cardiac Arrhythmias. Contemporary Cardiology, 2020, , 75-96.	0.1	0
377	Mechanisms Underlying the Development of Cardiac Arrhythmias. Contemporary Cardiology, 2020, , 33-74.	0.1	0
378	Specific Cardiovascular Diseases and Competitive Sports Participation: Channelopathies. , 2020, , 361-402.		0
380	IDENTIFYING NEW SUDDEN DEATH GENES. Transactions of the American Clinical and Climatological Association, 2018, 129, 183-184.	0.5	0
381	Induced pluripotent stem cells for modeling of cardiac arrhythmias. , 2022, , 247-273.		0
383	A standardised hERG phenotyping pipeline to evaluate KCNH2 genetic variant pathogenicity. Clinical and Translational Medicine, 2021, 11, e609.	4.0	7
384	Computational Recovery of Sample Missings. Springer Theses, 2021, , 67-101.	0.1	0
385	Role of CACNA1C in Brugada syndrome: Prevalence and phenotype of probands referred for genetic testing. Heart Rhythm, 2022, 19, 798-806.	0.7	7
386	Inherited Ventricular Arrhythmia in Zebrafish: Genetic Models and Phenotyping Tools. Reviews of Physiology, Biochemistry and Pharmacology, 2021, , 1.	1.6	1
387	Heart Disease and Stroke Statisticsâ€"2022 Update: A Report From the American Heart Association. Circulation, 2022, 145, CIR0000000000001052.	1.6	2,561
388	Predicting Sudden Cardiac Death in Genetic Heart Disease. Canadian Journal of Cardiology, 2022, 38, 479-490.	1.7	3
389	Genomic and Non-Genomic Regulatory Mechanisms of the Cardiac Sodium Channel in Cardiac Arrhythmias. International Journal of Molecular Sciences, 2022, 23, 1381.	4.1	10
390	Genetics of sudden cardiac death. Current Opinion in Cardiology, 2022, 37, 212-218.	1.8	4
391	The Mechanism of Ajmaline and Thus Brugada Syndrome: Not Only the Sodium Channel!. Frontiers in Cardiovascular Medicine, 2021, 8, 782596.	2.4	6
392	Genome-wide association analyses identify new Brugada syndrome risk loci and highlight a new mechanism of sodium channel regulation in disease susceptibility. Nature Genetics, 2022, 54, 232-239.	21.4	55
393	Brugada Syndrome. JACC: Clinical Electrophysiology, 2022, 8, 386-405.	3.2	26
394	SCN5A Overlap Syndromes: an open-minded approach. Heart Rhythm, 2022, , .	0.7	2
395	Dominant negative effects of SCN5A missense variants. Genetics in Medicine, 2022, 24, 1238-1248.	2.4	9

#	Article	IF	Citations
396	Searching for genetic modulators of the phenotypic heterogeneity in Brugada syndrome. PLoS ONE, 2022, 17, e0263469.	2.5	3
397	Sudden infant death syndrome: The search for genetic predisposition. Heart Rhythm, 2022, 19, 674-675.	0.7	0
398	European Heart Rhythm Association (EHRA)/Heart Rhythm Society (HRS)/Asia Pacific Heart Rhythm Society (APHRS)/Latin American Heart Rhythm Society (LAHRS) Expert Consensus Statement on the state of genetic testing for cardiac diseases. Europace, 2022, 24, 1307-1367.	1.7	108
399	European Heart Rhythm Association (EHRA)/Heart Rhythm Society (HRS)/Asia Pacific Heart Rhythm Society (APHRS)/Latin American Heart Rhythm Society (LAHRS) Expert Consensus Statement on the State of Genetic Testing for Cardiac Diseases. Heart Rhythm, 2022, 19, e1-e60.	0.7	78
400	European Heart Rhythm Association (<scp>EHRA</scp>)/Heart Rhythm Society (<scp>HRS</scp>)/Asia Pacific Heart Rhythm Society (<scp>APHRS</scp>)/Latin American Heart Rhythm Society (<scp>LAHRS</scp>) Expert Consensus Statement on the state of genetic testing for cardiac diseases. Journal of Arrhythmia, 2022, 38, 491-553.	1.2	24
401	Risk stratification of sudden cardiac death in Brugada syndrome: an updated review of literature. Egyptian Heart Journal, 2022, 74, 25.	1.2	3
404	The Genetics of Brugada Syndrome. Annual Review of Genomics and Human Genetics, 2022, 23, 255-274.	6.2	13
405	Plasma MicroRNAs as noninvasive diagnostic biomarkers in patients with Brugada syndrome. PLoS ONE, 2022, 17, e0261390.	2.5	2
407	The Genetics and Epigenetics of Ventricular Arrhythmias in Patients Without Structural Heart Disease. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	6
408	Exercise in the Genetic Arrhythmia Syndromes â€“ A Review. Clinics in Sports Medicine, 2022, 41, 485-510.	1.8	2
409	Brugada Syndrome as a Major Cause of Sudden Cardiac Death in Asians. JACC Asia, 2022, 2, 412-421.	1.5	12
411	Regulation of cardiac ion channels by transcription factors: Looking for new opportunities of druggable targets for the treatment of arrhythmias. Biochemical Pharmacology, 2022, 204, 115206.	4.4	5
412	From diagnostic testing to precision medicine: the evolving role of genomics in cardiac channelopathies and cardiomyopathies in children. Current Opinion in Genetics and Development, 2022, 76, 101978.	3.3	1
413	Comparing the Performance of Published Risk Scores in Brugada Syndrome: A Multi-center Cohort Study. Current Problems in Cardiology, 2022, 47, 101381.	2.4	12
414	Cardiogenetics: the role of genetic testing for inherited arrhythmia syndromes and sudden death. Heart, 2023, 109, 434-441.	2.9	6
416	Concealed Substrates in Brugada Syndrome: Isolated Channelopathy or Associated Cardiomyopathy?. Genes, 2022, 13, 1755.	2.4	4
417	Differences in the rate and yield of genetic testing in patients with brugada syndrome: A systematic review and analysis of cohort studies. Annals of Clinical Cardiology, 2022, .	0.1	0
418	The underlying molecular mechanisms and biomarkers of plaque vulnerability based on bioinformatics analysis. European Journal of Medical Research, 2022, 27, .	2.2	1

#	Article	IF	Citations
419	CLIN_SKAT: an R package to conduct association analysis using functionally relevant variants. BMC Bioinformatics, 2022, 23, .	2.6	0
420	Alterations of the Sialylation Machinery in Brugada Syndrome. International Journal of Molecular Sciences, 2022, 23, 13154.	4.1	1
421	Genetics of congenital arrhythmia syndromes: the challenge of variant interpretation. Current Opinion in Genetics and Development, 2022, 77, 102004.	3.3	4
422	Brugada syndrome in Thailand: Three decades of progress. Heart Rhythm O2, 2022, 3, 743-751.	1.7	2
423	Genome Editing and Inherited Cardiac Arrhythmias. Advances in Experimental Medicine and Biology, 2023, , 115-127.	1.6	2
424	Transcriptional Dysregulation Underlies Both Monogenic Arrhythmia Syndrome and Common Modifiers of Cardiac Repolarization. Circulation, 2023, 147, 824-840.	1.6	8
425	Delayed depolarization and histologic abnormalities underlie the Brugada Syndrome. PACE - Pacing and Clinical Electrophysiology, 0, , .	1.2	1
426	Genome-wide association studies of cardiovascular disease. Physiological Reviews, 2023, 103, 2039-2055.	28.8	13
427	Genome-Wide Analysis of Left Ventricular Maximum Wall Thickness in the UK Biobank Cohort Reveals a Shared Genetic Background With Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2023, 16, .	3.6	3
428	Modulating the activity of human nociceptors with a SCN10A promoter-specific viral vector tool. Neurobiology of Pain (Cambridge, Mass), 2023, 13, 100120.	2.5	2
429	Heart Disease and Stroke Statisticsâ€"2023 Update: A Report From the American Heart Association. Circulation, 2023, 147, .	1.6	2,130
430	Sudden cardiac death and cardiac sodium channel diseases. Journal of Forensic Science and Medicine, 2022, 8, 179.	0.2	0
431	Brugada syndrome and job fitness: report of three cases. Industrial Health, 2023, , .	1.0	0
432	A Novel DLG1 Variant in a Family with Brugada Syndrome: Clinical Characteristics and In Silico Analysis. Genes, 2023, 14, 427.	2.4	1
433	Brugada Syndrome: From Molecular Mechanisms and Genetics to Risk Stratification. International Journal of Molecular Sciences, 2023, 24, 3328.	4.1	8
434	Standing genetic variation affects phenotypic heterogeneity in an SCN5A-mutation founder population with excess sudden cardiac death. Heart Rhythm, 2023, , .	0.7	2
435	Frontier and hotspot evolution in Brugada syndrome: A bibliometric analysis from 2002 to 2022. Medicine (United States), 2023, 102, e33038.	1.0	0
436	Unraveling the influence of genomic context on pleiotropy in SCN5A-mediated cardiac channelopathies: Insights from the Worm Study. Heart Rhythm, 2023, , .	0.7	0

#	Article	IF	Citations
438	Patient-specific induced pluripotent stem cell properties implicate Ca ²⁺ -homeostasis in clinical arrhythmia associated with combined heterozygous RYR2 and SCN10A variants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2023, 378, .	4.0	3
439	Exploring the role of TRPM4 in calciumâ€dependent triggered activity and cardiac arrhythmias. Journal of Physiology, 0, , .	2.9	1
440	Genetic testing in athletes. , 2023, , 147-173.		0
441	Genetics of sinoatrial node function and heart rate disorders. DMM Disease Models and Mechanisms, 2023, 16, .	2.4	3
442	Functional Characterisation of the Rare SCN5A p.E1225K Variant, Segregating in a Brugada Syndrome Familial Case, in Human Cardiomyocytes from Pluripotent Stem Cells. International Journal of Molecular Sciences, 2023, 24, 9548.	4.1	2
443	Molecular and Functional Relevance of NaV1.8-Induced Atrial Arrhythmogenic Triggers in a Human SCN10A Knock-Out Stem Cell Model. International Journal of Molecular Sciences, 2023, 24, 10189.	4.1	1
444	Novelties in Brugada Syndrome: Complex Genetics, Risk Stratification, and Catheter Ablation. Cardiac Electrophysiology Clinics, 2023, 15, 273-283.	1.7	2
445	Use, misuse, and pitfalls of the drug challenge test in the diagnosis of the Brugada syndrome. European Heart Journal, 2023, 44, 2427-2439.	2.2	8
447	Unmasking a Silent Killer and Understanding Sudden Cardiac Death in Brugada Syndrome: A Traditional Review. Cureus, 2023, , .	0.5	0
448	Cross-modal autoencoder framework learns holistic representations of cardiovascular state. Nature Communications, 2023, 14, .	12.8	8
449	Subepicardial Cardiomyopathy: A Disease Underlying J-Wave Syndromes and Idiopathic Ventricular Fibrillation. Circulation, 2023, 147, 1622-1633.	1.6	12
450	Functional Epicardial Conduction Disturbances Due to a SCN5A Variant Associated With Brugada Syndrome. JACC: Clinical Electrophysiology, 2023, 9, 1248-1261.	3.2	3
451	Genetic and Molecular Mechanisms in Brugada Syndrome. Cells, 2023, 12, 1791.	4.1	1
452	Electrical and Structural Insights into Right Ventricular Outflow Tract Arrhythmogenesis. International Journal of Molecular Sciences, 2023, 24, 11795.	4.1	2
453	The Lancet Commission to reduce the global burden of sudden cardiac death: a call for multidisciplinary action. Lancet, The, 2023, 402, 883-936.	13.7	14
454	From gene-discovery to gene-tailored clinical management: 25 years of research in channelopathies and cardiomyopathies. Europace, 2023, 25, .	1.7	6
455	Brugada Syndrome: More than a Monogenic Channelopathy. Biomedicines, 2023, 11, 2297.	3.2	2
456	Left ventricular hypertrophy and metabolic resetting in the Notch3-deficient adult mouse heart. Scientific Reports, 2023, 13, .	3.3	0

#	Article	IF	Citations
457	Left Ventricular Abnormal Substrate inÂBrugada Syndrome. JACC: Clinical Electrophysiology, 2023, 9, 2041-2051.	3.2	1
458	Noncoding RNAs and Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in Cardiac Arrhythmic Brugada Syndrome. Cells, 2023, 12, 2398.	4.1	1
459	Recent Advances in Inherited Cardiac Arrhythmias and Their Genetic Testing. Cureus, 2023, , .	0.5	0
461	Role of Genetic Variation in Transcriptional Regulatory Elements in Heart Rhythm. Cells, 2024, 13, 4.	4.1	0
462	The Role of MAPRE2 and Microtubules in Maintaining Normal Ventricular Conduction. Circulation Research, 0, , .	4.5	0
463	Clinical Management of Brugada Syndrome: Commentary From the Experts. Circulation: Arrhythmia and Electrophysiology, 0, , .	4.8	0
465	Whole genome sequencing in paediatric channelopathy and cardiomyopathy. Frontiers in Cardiovascular Medicine, 0, 11, .	2.4	0
466	Navigating the prime editing strategy to treat cardiovascular genetic disorders in transforming heart health. Expert Review of Cardiovascular Therapy, 2024, 22, 75-89.	1.5	0
467	Stem cell models of inherited arrhythmias. , 2024, 3, 420-430.		0