Ramon Brugada

List of Publications by Citations

147 papers	6,432 citations	31 h-index	79 g-index
168 ext. papers	7,609 ext. citations	5.8 avg, IF	5.33 L-index

#	Paper	IF	Citations
147	Genetic basis and molecular mechanism for idiopathic ventricular fibrillation. *Nature*, **1998**, 392, 293-6	50.4	1455
146	Sudden death associated with short-QT syndrome linked to mutations in HERG. *Circulation*, **2004**, 109, 30-5	16.7	685
145	Right bundle-branch block and ST-segment elevation in leads V1 through V3: a marker for sudden death in patients without demonstrable structural heart disease. *Circulation*, **1998**, 97, 457-60	16.7	592
144	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
143	Ionic mechanisms responsible for the electrocardiographic phenotype of the Brugada syndrome are temperature dependent. *Circulation Research*, **1999**, 85, 803-9	15.7	469
142	Short QT syndrome and atrial fibrillation caused by mutation in KCNH2. *Journal of Cardiovascular Electrophysiology*, **2005**, 16, 394-6	2.7	236
141	Present Status of Brugada Syndrome: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2018**, 72, 1046-1059	15.1	165
140	Prognostic value of electrophysiologic investigations in Brugada syndrome. *Journal of Cardiovascular Electrophysiology*, **2001**, 12, 1004-7	2.7	120
139	Electrical Substrate Elimination in 135 Consecutive Patients With Brugada Syndrome. *Circulation: Arrhythmia and Electrophysiology*, **2017**, 10, e005053	6.4	112
138	A missense mutation in the sodium channel □ subunit reveals SCN2B as a new candidate gene for Brugada syndrome. *Human Mutation*, **2013**, 34, 961-6	4.7	78
137	Brugada syndrome: clinical and genetic findings. *Genetics in Medicine*, **2016**, 18, 3-12	8.1	73
136	Cardiac Channelopathies and Sudden Death: Recent Clinical and Genetic Advances. *Biology*, **2017**, 6,	4.9	63
135	The Brugada syndrome. *Current Cardiology Reports*, **2000**, 2, 507-14	4.2	54
134	Arrhythmia induction by antiarrhythmic drugs. *PACE - Pacing and Clinical Electrophysiology*, **2000**, 23, 291-2	1.6	51
133	Genetic basis of dilated cardiomyopathy. *International Journal of Cardiology*, **2016**, 224, 461-472	3.2	50
132	Fever-related arrhythmic events in the multicenter Survey on Arrhythmic Events in Brugada Syndrome. *Heart Rhythm*, **2018**, 15, 1394-1401	6.7	49
131	Further evidence of the association between LQT syndrome and epilepsy in a family with KCNQ1 pathogenic variant. *Seizure: the Journal of the British Epilepsy Association*, **2015**, 25, 65-7	3.2	45

130	Unmasking the molecular link between arrhythmogenic cardiomyopathy and Brugada syndrome. *Nature Reviews Cardiology*, **2017**, 14, 744-756	14.8	40
129	Genetic investigation of sudden unexpected death in epilepsy cohort by panel target resequencing. *International Journal of Legal Medicine*, **2016**, 130, 331-9	3.1	39
128	Age of First Arrhythmic Event in Brugada Syndrome: Data From the SABRUS (Survey on Arrhythmic Events in Brugada Syndrome) in 678 Patients. *Circulation: Arrhythmia and Electrophysiology*, **2017**, 10,	6.4	39
127	Electroanatomic and Pathologic Right Ventricular Outflow Tract Abnormalities in Patients With Brugada Syndrome. *Journal of the American College of Cardiology*, **2018**, 72, 2747-2757	15.1	38
126	Determining the pathogenicity of genetic variants associated with cardiac channelopathies. *Scientific Reports*, **2015**, 5, 7953	4.9	37
125	Dual fatty acid synthase and HER2 signaling blockade shows marked antitumor activity against breast cancer models resistant to anti-HER2 drugs. *PLoS ONE*, **2015**, 10, e0131241	3.7	37
124	Profile of patients with Brugada syndrome presenting with their first documented arrhythmic event: Data from the Survey on Arrhythmic Events in BRUgada Syndrome (SABRUS). *Heart Rhythm*, **2018**, 15, 716-724	6.7	36
123	Gender differences in patients with Brugada syndrome and arrhythmic events: Data from a survey on arrhythmic events in 678 patients. *Heart Rhythm*, **2018**, 15, 1457-1465	6.7	36
122	Natural and Undetermined Sudden Death: Value of Post-Mortem Genetic Investigation. *PLoS ONE*, **2016**, 11, e0167358	3.7	36
121	Recent Advances in Short QT Syndrome. *Frontiers in Cardiovascular Medicine*, **2018**, 5, 149	5.4	36
120	Identification of N-terminal protein acetylation and arginine methylation of the voltage-gated sodium channel in end-stage heart failure human heart. *Journal of Molecular and Cellular Cardiology* , **2014**, 76, 126-9	5.8	34
119	Post-mortem genetic analysis in juvenile cases of sudden cardiac death. *Forensic Science International*, **2014**, 245, 30-7	2.6	34
118	Characterization and Management of Arrhythmic Events in Young Patients With Brugada Syndrome. *Journal of the American College of Cardiology*, **2019**, 73, 1756-1765	15.1	33
117	Genetic Analysis of Arrhythmogenic Diseases in the Era of NGS: The Complexity of Clinical Decision-Making in Brugada Syndrome. *PLoS ONE*, **2015**, 10, e0133037	3.7	32
116	Clinical and molecular characterization of a cardiac ryanodine receptor founder mutation causing catecholaminergic polymorphic ventricular tachycardia. *Heart Rhythm*, **2015**, 12, 1636-43	6.7	31
115	Sodium channel current loss of function in induced pluripotent stem cell-derived cardiomyocytes from a Brugada syndrome patient. *Journal of Molecular and Cellular Cardiology*, **2018**, 114, 10-19	5.8	31
114	Familial Dilated Cardiomyopathy Caused by a Novel Frameshift in the BAG3 Gene. *PLoS ONE*, **2016**, 11, e0158730	3.7	28
113	Transethnic Genome-Wide Association Study Provides Insights in the Genetic Architecture and Heritability of Long QT Syndrome. *Circulation*, **2020**, 142, 324-338	16.7	27

112	Patients With Brugada Syndrome and Implanted Cardioverter-Defibrillators: Long-Term Follow-Up. *Journal of the American College of Cardiology*, **2017**, 70, 1991-2002	15.1	25
111	Acute, Exercise Dose-Dependent Impairment in Atrial Performance During an Endurance Race: 2D Ultrasound Speckle-Tracking Strain Analysis. *JACC: Cardiovascular Imaging*, **2016**, 9, 1380-1388	8.4	25
110	Is atrial fibrillation a genetic disease?. *Journal of Cardiovascular Electrophysiology*, **2005**, 16, 553-6	2.7	24
109	Genetics of channelopathies associated with sudden cardiac death. *Global Cardiology Science & Practice*, **2015**, 2015, 39	0.7	23
108	Identification of Genetic Alterations, as Causative Genetic Defects in Long QT Syndrome, Using Next Generation Sequencing Technology. *PLoS ONE*, **2014**, 9, e114894	3.7	23
107	Concomitant Brugada-like and short QT electrocardiogram linked to SCN5A mutation. *European Journal of Human Genetics*, **2012**, 20, 1189-92	5.3	23
106	Additional value of screening for minor genes and copy number variants in hypertrophic cardiomyopathy. *PLoS ONE*, **2017**, 12, e0181465	3.7	23
105	Plasma microRNAs as biomarkers for Lamin A/C-related dilated cardiomyopathy. *Journal of Molecular Medicine*, **2018**, 96, 845-856	5.5	22
104	Update on the Genetic Basis of Sudden Unexpected Death in Epilepsy. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	21
103	Targeted next-generation sequencing provides novel clues for associated epilepsy and cardiac conduction disorder/SUDEP. *PLoS ONE*, **2017**, 12, e0189618	3.7	21
102	Reanalysis and reclassification of rare genetic variants associated with inherited arrhythmogenic syndromes. *EBioMedicine*, **2020**, 54, 102732	8.8	21
101	Sudden infant death syndrome caused by cardiac arrhythmias: only a matter of genes encoding ion channels?. *International Journal of Legal Medicine*, **2016**, 130, 415-20	3.1	20
100	Transcriptional regulation of the sodium channel gene (SCN5A) by GATA4 in human heart. *Journal of Molecular and Cellular Cardiology*, **2017**, 102, 74-82	5.8	20
99	Update on Genetic Basis of Brugada Syndrome: Monogenic, Polygenic or Oligogenic?. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	20
98	A novel mutation in lamin a/c causing familial dilated cardiomyopathy associated with sudden cardiac death. *Journal of Cardiac Failure*, **2015**, 21, 217-25	3.3	19
97	Comprehensive Genetic Characterization of a Spanish Brugada Syndrome Cohort. *PLoS ONE*, **2015**, 10, e0132888	3.7	19
96	Experimental Models of Brugada syndrome. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	18
95	The molecular genetics of arrhythmias and sudden death. *Clinical Cardiology*, **1998**, 21, 553-60	3.3	18

94	Use of intravenous antiarrhythmics to identify concealed Brugada syndrome. *Current Controlled Trials in Cardiovascular Medicine*, **2000**, 1, 45-47		18
93	Large Genomic Imbalances in Brugada Syndrome. *PLoS ONE*, **2016**, 11, e0163514	3.7	18
92	Genetic interpretation and clinical translation of minor genes related to Brugada syndrome. *Human Mutation*, **2019**, 40, 749-764	4.7	17
91	Role of copy number variants in sudden cardiac death and related diseases: genetic analysis and translation into clinical practice. *European Journal of Human Genetics*, **2018**, 26, 1014-1025	5.3	17
90	Incomplete Penetrance and Variable Expressivity: Hallmarks in Channelopathies Associated with Sudden Cardiac Death. *Biology*, **2017**, 7,	4.9	17
89	Short QT Syndrome: A Comprehensive Genetic Interpretation and Clinical Translation of Rare Variants. *Journal of Clinical Medicine*, **2019**, 8,	5.1	17
88	The role of clinical, genetic and segregation evaluation in sudden infant death. *Forensic Science International*, **2014**, 242, 9-15	2.6	17
87	Brugada Syndrome. *Circulation*, **2001**, 104, 3017-3019	16.7	17
86	Genetic basis of atrial fibrillation. *Genes and Diseases*, **2016**, 3, 257-262	6.6	17
85	Clinical Features and Natural History of PRKAG2 Variant Cardiac Glycogenosis. *Journal of the American College of Cardiology*, **2020**, 76, 186-197	15.1	16
84	Stop-gain mutations in PKP2 are associated with a later age of onset of arrhythmogenic right ventricular cardiomyopathy. *PLoS ONE*, **2014**, 9, e100560	3.7	16
83	Ethnic differences in patients with Brugada syndrome and arrhythmic events: New insights from Survey on Arrhythmic Events in Brugada Syndrome. *Heart Rhythm*, **2019**, 16, 1468-1474	6.7	14
82	Enhancing rare variant interpretation in inherited arrhythmias through quantitative analysis of consortium disease cohorts and population controls. *Genetics in Medicine*, **2021**, 23, 47-58	8.1	13
81	Short QT syndrome in pediatrics. *Clinical Research in Cardiology*, **2017**, 106, 393-400	6.1	12
80	Genetic analysis, in silico prediction, and family segregation in long QT syndrome. *European Journal of Human Genetics*, **2015**, 23, 79-85	5.3	12
79	Genetic variants of uncertain significance: How to match scientific rigour and standard of proof in sudden cardiac death?. *Legal Medicine*, **2020**, 45, 101712	1.9	12
78	Common variation in fatty acid metabolic genes and risk of incident sudden cardiac arrest. *Heart Rhythm*, **2014**, 11, 471-7	6.7	12
77	Rare Titin (TTN) Variants in Diseases Associated with Sudden Cardiac Death. *International Journal of Molecular Sciences*, **2015**, 16, 25773-87	6.3	12

76	Subcellular localisation of retromer in post-endocytic pathways of polarised Madin-Darby canine kidney cells. *Biology of the Cell*, **2014**, 106, 377-93	3.5	12
75	Acquired Forms of Brugada Syndrome166-177		12
74	Brugada Syndrome and Exercise Practice: Current Knowledge, Shortcomings and Open Questions. *International Journal of Sports Medicine*, **2017**, 38, 573-581	3.6	11
73	Sudden Arrhythmic Death During Exercise: A Post-Mortem Genetic Analysis. *Sports Medicine*, **2017**, 47, 2101-2115	10.6	10
72	Short QT and atrial fibrillation: A mutation-specific disease. Late follow-up in three unrelated children. *HeartRhythm Case Reports*, **2015**, 1, 193-197	1	10
71	Sudden Cardiac Death and Copy Number Variants: What Do We Know after 10 Years of Genetic Analysis?. *Forensic Science International: Genetics*, **2020**, 47, 102281	4.3	10
70	Trafficking and localisation to the plasma membrane of Na 1.5 promoted by the subunit is defective due to a mutation associated with Brugada syndrome. *Biology of the Cell*, **2017**, 109, 273-291	3.5	9
69	The long-QT syndrome and exercise practice: The never-ending debate. *Journal of Cardiovascular Electrophysiology*, **2018**, 29, 489-496	2.7	9
68	Proteomic identification of putative biomarkers for early detection of sudden cardiac death in a family with a LMNA gene mutation causing dilated cardiomyopathy. *Journal of Proteomics*, **2016**, 148, 75-84	3.9	9
67	Role of genetic and electrolyte abnormalities in prolonged QTc interval and sudden cardiac death in end-stage renal disease patients. *PLoS ONE*, **2018**, 13, e0200756	3.7	9
66	Sudden death: managing the family, the role of genetics. *Heart*, **2011**, 97, 676-81	5.1	9
65	Optimized pacing mode for hypertrophic cardiomyopathy: Impact of ECG fusion during pacing. *Heart Rhythm*, **2015**, 12, 909-16	6.7	8
64	Genetics of cardiovascular disease with emphasis on atrial fibrillation. *Journal of Interventional Cardiac Electrophysiology*, **1999**, 3, 7-13	2.4	8
63	-Glycosylation of the voltage-gated sodium channel subunit is required for efficient trafficking of Na1.5/ to the plasma membrane. *Journal of Biological Chemistry*, **2019**, 294, 16123-16140	5.4	7
62	ST Segment Elevation and Sudden Death in the Athlete119-129		7
61	Time-to-first appropriate shock in patients implanted prophylactically with an implantable cardioverter-defibrillator: data from the Survey on Arrhythmic Events in BRUgada Syndrome (SABRUS). *Europace*, **2019**, 21, 796-802	3.9	7
60	Obesity-associated deficits in inhibitory control are phenocopied to mice through gut microbiota changes in one-carbon and aromatic amino acids metabolic pathways. *Gut*, **2021**, 70, 2283-2296	19.2	7
59	Microbiota alterations in proline metabolism impact depression.. *Cell Metabolism*, **2022**, 34, 681-701.e10	24.6	7

58	The Aging Imageomics Study: rationale, design and baseline characteristics of the study population. *Mechanisms of Ageing and Development*, **2020**, 189, 111257	5.6	6
57	Molecular autopsy in a cohort of infants died suddenly at rest. *Forensic Science International: Genetics*, **2018**, 37, 54-63	4.3	6
56	Elucidating the Role of K Channels during In Vitro Capacitation of Boar Spermatozoa: Do SLO1 Channels Play a Crucial Role?. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
55	Electrocardiographic Assessment and Genetic Analysis in Neonates: a Current Topic of Discussion. *Current Cardiology Reviews*, **2019**, 15, 30-37	2.4	5
54	The role of clinical assessment and electrophysiology study in Brugada syndrome patients with syncope. *American Heart Journal*, **2020**, 220, 213-223	4.9	5
53	Brugada Syndrome: anesthetic considerations and management algorithm. *Minerva Anestesiologica*, **2019**, 85, 173-188	1.9	5
52	Sudden death due to catecholaminergic polymorphic ventricular tachycardia following negative stress-test outcome: genetics and clinical implications. *Forensic Science, Medicine, and Pathology*, **2017**, 13, 217-225	1.5	4
51	Personalized Interpretation and Clinical Translation of Genetic Variants Associated With Cardiomyopathies. *Frontiers in Genetics*, **2019**, 10, 450	4.5	4
50	The arrhythmogenic right ventricular cardiomyopathy in comparison to the athletic heart. *Journal of Cardiovascular Electrophysiology*, **2020**, 31, 1836-1843	2.7	4
49	Trafficking and Function of the Voltage-Gated Sodium Channel Subunit. *Biomolecules*, **2019**, 9,	5.9	4
48	Cellular Mechanisms Underlying the Brugada Syndrome52-77		4
47	The Brugada Syndrome. *Annals of Noninvasive Electrocardiology*, **2000**, 5, 88-91	1.5	4
46	Spatiotemporal Characteristics of QRS Complexes Enable the Diagnosis of Brugada Syndrome Regardless of the Appearance of a Type 1 ECG. *Journal of Cardiovascular Electrophysiology*, **2016**, 27, 563-70	2.7	4
45	Genetic Variants as Sudden-Death Risk Markers in Inherited Arrhythmogenic Syndromes: Personalized Genetic Interpretation. *Journal of Clinical Medicine*, **2020**, 9,	5.1	3
44	Value of 12 Lead Electrocardiogram and Derived Methodologies in the Diagnosis of Brugada Disease87-110		3
43	Whole-Brain Dynamics in Aging: Disruptions in Functional Connectivity and the Role of the Rich Club. *Cerebral Cortex*, **2021**, 31, 2466-2481	5.1	3
42	Rare Variants Associated with Arrhythmogenic Cardiomyopathy: Reclassification Five Years Later. *Journal of Personalized Medicine*, **2021**, 11,	3.6	3
41	Juvenile myoclonic epilepsy and Brugada type 1 ECG pattern associated with (a novel) plakophillin 2 mutation. *Journal of Neurology*, **2017**, 264, 792-795	5.5	2

40	A novel variant in RyR2 causes familiar catecholaminergic polymorphic ventricular tachycardia. *Forensic Science International*, **2017**, 270, 173-177	2.6	2
39	Do sodium channel proteolytic fragments regulate sodium channel expression?. *Channels*, **2017**, 11, 476-481	3	2
38	Pharmacologic Approach to Therapy of Brugada Syndrome: Quinidine as an Alternative to ICD Therapy?202-211		2
37	Biophysical Analysis of Mutant Sodium Channels in Brugada Syndrome26-41		2
36	Single nucleotide polymorphisms and life-threatening arrhythmias: causal or casual?. *Journal of Cardiovascular Electrophysiology*, **2001**, 12, 1230-1	2.7	2
35	The Brugada syndrome. *Cardiovascular Drugs and Therapy*, **2001**, 15, 15-7	3.9	2
34	Gene therapy for cardiovascular diseases. *Expert Opinion on Therapeutic Patents*, **2000**, 10, 1385-1393	6.8	2
33	The Brugada Syndrome. *Journal of Interventional Cardiac Electrophysiology*, **1999**, 3, 202-204		2
32	Pediatric Malignant Arrhythmias Caused by Rare Homozygous Genetic Variants in : A Comprehensive Interpretation. *Frontiers in Pediatrics*, **2020**, 8, 601708	3.4	2
31	Genetic analysis in post-mortem samples with micro-ischemic alterations. *Forensic Science International*, **2017**, 271, 120-125	2.6	1
30	The smooth muscle-type β1 subunit potentiates activation by DiBAC4(3) in recombinant BK channels. *Channels*, **2014**, 8, 95-102	3	1
29	CONCOMITANT BRUGADA-LIKE AND SHORT QT ELECTROCARDIOGRAM LINKED TO SCN5A MUTATION. *Heart*, **2012**, 98, E315.3-E316	5.1	1
28	Atrial Tachyarrhythmias in Brugada Syndrome178-183		1
27	Brugada Syndrome: Role of Genetics in Clinical Practice130-139		1
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24	Molecular Genetics of the Brugada Syndrome42-51		1
23	Brugada Syndrome **2001**,		1

22	Clinical Genetics of Inherited Arrhythmogenic Disease in the Pediatric Population.. *Biomedicines*, **2022**, 10,	4.8	1
21	Early Identification of Prolonged QT Interval for Prevention of Sudden Infant Death. *Frontiers in Pediatrics*, **2021**, 9, 704580	3.4	1
20	Clinical impact of rare variants associated with inherited channelopathies: a 5-year update. *Human Genetics*, **2021**, 1	6.3	1
19	Prevalence of Pathogenic Variants in Cardiomyopathy-Associated Genes in Myocarditis.. *Circulation Genomic and Precision Medicine*, **2022**, 101161CIRCGEN121003408	5.2	1
18	Sudden infant death as the most severe phenotype caused by genetic modulation in a family with atrial fibrillation. *Forensic Science International: Genetics*, **2019**, 43, 102159	4.3	0
17	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	18	0
16	Sudden Death without a Clear Cause after Comprehensive Investigation: An Example of Forensic Approach to Atypical/Uncertain Findings. *Diagnostics*, **2021**, 11,	3.8	0
15	Genotype-Phenotype Correlation of Genotype in Patients With Brugada Syndrome and Arrhythmic Events: Insights From the SABRUS in 392 Probands. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003222	5.2	0
14	Generation of an induced pluripotent stem cell line from a healthy Caucasian male.. *Stem Cell Research*, **2022**, 60, 102717	1.6	0
13	Rare variants in genes encoding structural myocyte contribute to a thickened ventricular septum in sudden death population without ventricular alterations.. *Forensic Science International: Genetics*, **2022**, 58, 102688	4.3	0
12	Reply to letter to editor: "Genetic basis of dilated cardiomyopathy". *International Journal of Cardiology*, **2017**, 229, 32	3.2	
11	Electrocardiogram in Newborns: Beneficial or Not?. *Pediatric Cardiology*, **2019**, 40, 1320-1321	2.1	
10	Prognosis in Individuals with Brugada Syndrome184-193		
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2	GRAPES: A Versatile Tool for Analyzing Structural Variation From Whole-Genome and Targeted DNA Sequencing Data. *FASEB Journal*, **2018**, 32, 532.10	0.9
1	Genetic Cardiomyopathy May Overlap Fulminant Myocarditis Clinical Findings.. *Circulation: Heart Failure*, **2022**, 15, e008443	7.6