Julien Barc

List of Publications by Year
in descending order

44 papers	3,141 citations	236612 25 h-index	253896 43 g-index
47 all docs	47 docs citations	47 times ranked	4323 citing authors

#	Article	IF	Citations
1	Common variants at SCN5A-SCN10A and HEY2 are associated with Brugada syndrome, a rare disease with high risk of sudden cardiac death. Nature Genetics, 2013, 45, 1044-1049.	9.4	467
2	KLHL3 mutations cause familial hyperkalemic hypertension by impairing ion transport in the distal nephron. Nature Genetics, 2012, 44, 456-460.	9.4	281
3	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. Nature Genetics, 2014, 46, 826-836.	9.4	281
4	SCN5A Mutations and the Role of Genetic Background in the Pathophysiology of Brugada Syndrome. Circulation: Cardiovascular Genetics, 2009, 2, 552-557.	5.1	262
5	HCN4 Mutations in Multiple Families With Bradycardia and Left Ventricular Noncompaction Cardiomyopathy. Journal of the American College of Cardiology, 2014, 64, 745-756.	1.2	173
6	A Mutation in CALM1 Encoding Calmodulin in Familial Idiopathic Ventricular Fibrillation in Childhood and Adolescence. Journal of the American College of Cardiology, 2014, 63, 259-266.	1.2	160
7	Multifocal Ectopic Purkinje-Related Premature Contractions. Journal of the American College of Cardiology, 2012, 60, 144-156.	1.2	156
8	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.	1.4	130
9	PDZ Domainâ€“Binding Motif Regulates Cardiomyocyte Compartment-Specific Na _V 1.5 Channel Expression and Function. Circulation, 2014, 130, 147-160.	1.6	113
10	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.	1.8	108
11	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
12	Screening for Copy Number Variation in Genes Associated With the Long QT Syndrome. Journal of the American College of Cardiology, 2011, 57, 40-47.	1.2	78
13	hiPSC-derived cardiomyocytes from Brugada Syndrome patients without identified mutations do not exhibit clear cellular electrophysiological abnormalities. Scientific Reports, 2016, 6, 30967.	1.6	64
14	The Brugada Syndrome Susceptibility Gene HEY2 Modulates Cardiac Transmural Ion Channel Patterning and Electrical Heterogeneity. Circulation Research, 2017, 121, 537-548.	2.0	63
15	Targeted resequencing identifies TRPM4 as a major gene predisposing to progressive familial heart block type I. International Journal of Cardiology, 2016, 207, 349-358.	0.8	62
16	Brugada syndrome: Diagnosis, risk stratification and management. Archives of Cardiovascular Diseases, 2017, 110, 188-195.	0.7	61
17	Enhancing rare variant interpretation in inherited arrhythmias through quantitative analysis of consortium disease cohorts and population controls. Genetics in Medicine, 2021, 23, 47-58.	1.1	57
18	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.	9.4	55

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19	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
20	The Brugada Syndrome: A Rare Arrhythmia Disorder with Complex Inheritance. Frontiers in Cardiovascular Medicine, 2016, 3, 9.	1.1	48
21	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.	1.6	41
22	Physiological and Pathophysiological Insights of Nav1.4 and Nav1.5 Comparison. Frontiers in Pharmacology, 2015, 6, 314.	1.6	40
23	Sodium-channel blocker challenge in the familial screening of Brugada syndrome: Safety and predictors of positivity. Heart Rhythm, 2017, 14, 1442-1448.	0.3	36
24	Clinical Yield of Familial Screening After Sudden Death in Young Subjects. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	2.1	29
25	An International Multicenter Cohort Study on Î²-Blockers for the Treatment of Symptomatic Children With Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation, 2022, 145, 333-344.	1.6	28
26	Sudden Cardiac Arrest and Rare Genetic Variants in the Community. Circulation: Cardiovascular Genetics, 2016, 9, 147-153.	5.1	27
27	Progressive Atrial Conduction Defects Associated With Bone Malformation Caused by a Connexin-45 Mutation. Journal of the American College of Cardiology, 2017, 70, 358-370.	1.2	27
28	Cadherin 2-Related Arrhythmogenic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2021, 14, e003097.	1.6	21
29	Complex Brugada syndrome inheritance in a family harbouring compound SCN5A and CACNA1C mutations. Basic Research in Cardiology, 2014, 109, 446.	2.5	20
30	Cardiac Emerinopathy. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008712.	2.1	20
31	Value of the sodium-channel blocker challenge in Brugada syndrome. International Journal of Cardiology, 2017, 245, 178-180.	0.8	17
32	GATA6 mutations: Characterization of two novel patients and a comprehensive overview of the GATA6 genotypic and phenotypic spectrum. American Journal of Medical Genetics, Part A, 2019, 179, 1836-1845.	0.7	16
33	Mental stress test: a rapid, simple, and efficient test to unmask long QT syndrome. Europace, 2018, 20, 2014-2020.	0.7	15
34	Familial Catecholamine-Induced QT Prolongation in Unexplained Sudden Cardiac Death. Journal of the American College of Cardiology, 2017, 69, 1642-1643.	1.2	7
35	A standardised hERG phenotyping pipeline to evaluate KCNH2 genetic variant pathogenicity. Clinical and Translational Medicine, 2021, 11, e609.	1.7	7
36	A consistent arrhythmogenic trait in Brugada syndrome cellular phenotype. Clinical and Translational Medicine, 2021, 11, e413.	1.7	5

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37	Sex matters? Sex matters!. Cardiovascular Research, 2022, 118, e1-e3.	1.8	4
38	Genome-wide association studies: providers of candidate genes for identification of rare variants?. Europace, 2011, 13, 911-912.	0.7	2
39	Burden of rare variants in arrhythmogenic cardiomyopathy with right dominant formâ€associated genes provides new insights for molecular diagnosis and clinical management. Human Mutation, 2022, 43, 1333-1342.	1.1	2
40	Role of Rare and Common Genetic Variation in SCN5A in Cardiac Electrical Function and Arrhythmia. Cardiac Electrophysiology Clinics, 2014, 6, 665-677.	0.7	1
41	From polygenic risk scores to integrative epigenomics: the dawn of a new era for cardiovascular precision medicine. Cardiovascular Research, 2021, 117, e73-e75.	1.8	1
42	P336Exome sequencing of multiple affected individuals from an Irish family with Brugada Syndrome uncovers a novel locus for the disorder. Cardiovascular Research, 2014, 103, S61.3-S61.	1.8	0
43	Genetic Testing for Inheritable Cardiac Channelopathies. Cardiac and Vascular Biology, 2018, , 323-358.	0.2	0
44	Scientists on the Spot: Tracing the potential in electrophysiology. Cardiovascular Research, 2022, 118, e6-e7.	1.8	0