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List of Publications by Year
in descending order

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68 papers	1,311 citations	331538 21 h-index	395590 33 g-index
70 all docs	70 docs citations	70 times ranked	1783 citing authors

#	Article	IF	Citations
1	Ranolazine Improves Cardiac Diastolic Dysfunction Through Modulation of Myofilament Calcium Sensitivity. Circulation Research, 2012, 110, 841-850.	2.0	156
2	Tetrahydrobiopterin improves diastolic dysfunction by reversing changes in myofilament properties. Journal of Molecular and Cellular Cardiology, 2013, 56, 44-54.	0.9	75
3	The Î²-arrestin-biased ligand TRV120023 inhibits angiotensin II-induced cardiac hypertrophy while preserving enhanced myofilament response to calcium. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H856-H866.	1.5	72
4	Brugada syndrome genetics is associated with phenotype severity. European Heart Journal, 2021, 42, 1082-1090.	1.0	59
5	Ablation of p21-activated kinase-1 in mice promotes isoproterenol-induced cardiac hypertrophy in association with activation of Erk1/2 and inhibition of protein phosphatase 2A. Journal of Molecular and Cellular Cardiology, 2011, 51, 988-996.	0.9	52
6	Increased phosphorylation of tropomyosin, troponin I, and myosin light chain-2 after stretch in rabbit ventricular myocardium under physiological conditions. Journal of Molecular and Cellular Cardiology, 2010, 48, 1023-1028.	0.9	50
7	Brugada Syndrome: Oligogenic or Mendelian Disease?. International Journal of Molecular Sciences, 2020, 21, 1687.	1.8	45
8	Cell-Based Therapies for Cardiac Regeneration: A Comprehensive Review of Past and Ongoing Strategies. International Journal of Molecular Sciences, 2018, 19, 3194.	1.8	44
9	Dissociation of force decline from calcium decline by preload in isolated rabbit myocardium. Pflugers Archiv European Journal of Physiology, 2008, 456, 267-276.	1.3	43
10	The positive forceâ€"frequency relationship is maintained in absence of sarcoplasmic reticulum function in rabbit, but not in rat myocardium. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 469-479.	0.7	40
11	Effects of dietary omegaâ€"3 fatty acids on ventricular function in dogs with healed myocardial infarctions: in vivo and in vitro studies. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1219-H1228.	1.5	38
12	Impairment of Diastolic Function by Lack of Frequency-Dependent Myofilament Desensitizationin Rabbit Right Ventricular Hypertrophy. Circulation: Heart Failure, 2009, 2, 472-481.	1.6	34
13	The C-terminus of the long AKAP13 isoform (AKAP-Lbc) is critical for development of compensatory cardiac hypertrophy. Journal of Molecular and Cellular Cardiology, 2014, 66, 27-40.	0.9	34
14	P21-activated kinase in inflammatory and cardiovascular disease. Cellular Signalling, 2014, 26, 2060-2069.	1.7	30
15	Frequency-dependent contractile response of isolated cardiac trabeculae under hypo-, normo-, and hyperthermic conditions. Journal of Applied Physiology, 2006, 100, 1727-1732.	1.2	28
16	Calcium in Brugada Syndrome: Questions for Future Research. Frontiers in Physiology, 2018, 9, 1088.	1.3	26
17	New electromechanical substrate abnormalities in high-risk patients with Brugada syndrome. Heart Rhythm, 2020, 17, 637-645.	0.3	26
18	Gender comparison of contractile performance and beta-adrenergic response in isolated rat cardiac trabeculae. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2008, 178, 307-313.	0.7	25

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19	p21-activated kinase improves cardiac contractility during ischemia-reperfusion concomitant with changes in troponin-T and myosin light chain 2 phosphorylation. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H224-H230.	1.5	24
20	Conserved Asp-137 Is Important for both Structure and Regulatory Functions of Cardiac Î±-Tropomyosin (Î±-TM) in a Novel Transgenic Mouse Model Expressing Î±-TM-D137L. Journal of Biological Chemistry, 2013, 288, 16235-16246.	1.6	23
21	General Anesthesia Attenuates Brugada Syndrome Phenotype Expression. JACC: Clinical Electrophysiology, 2018, 4, 518-530.	1.3	23
22	Maladaptive modifications in myofilament proteins and triggers in the progression to heart failure and sudden death. Pflugers Archiv European Journal of Physiology, 2014, 466, 1189-1197.	1.3	21
23	Post-translational modifications of myofilament proteins involved in length-dependent prolongation of relaxation in rabbit right ventricular myocardium. Archives of Biochemistry and Biophysics, 2013, 535, 22-29.	1.4	17
24	Sphingolipid Synthesis Inhibition by Myriocin Administration Enhances Lipid Consumption and Ameliorates Lipid Response to Myocardial Ischemia Reperfusion Injury. Frontiers in Physiology, 2019, 10, 986.	1.3	16
25	Comparable clinical characteristics in Brugada syndrome patients harboring SCN5A or novel SCN10A variants. Europace, 2019, 21, 1550-1558.	0.7	15
26	Novel JAG1 Deletion Variant in Patient with Atypical Alagille Syndrome. International Journal of Molecular Sciences, 2019, 20, 6247.	1.8	15
27	Role of Pharmacogenetics in Adverse Drug Reactions: An Update towards Personalized Medicine. Frontiers in Pharmacology, 2021, 12, 651720.	1.6	15
28	Novel CineECG Derived From Standard 12-Lead ECG Enables Right Ventricle Outflow Tract Localization of Electrical Substrate in Patients With Brugada Syndrome. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008524.	2.1	14
29	GM1 Ganglioside Promotes Osteogenic Differentiation of Human Tendon Stem Cells. Stem Cells International, 2018, 2018, 1-8.	1.2	13
30	SCN5A Nonsense Mutation and NF1 Frameshift Mutation in a Family With Brugada Syndrome and Neurofibromatosis. Frontiers in Genetics, 2019, 10, 50.	1.1	12
31	Epicardial ablation in genetic cardiomyopathies: a new frontier. European Heart Journal Supplements, 2019, 21, B61-B66.	0.0	12
32	The omics of channelopathies and cardiomyopathies: what we know and how they are useful. European Heart Journal Supplements, 2020, 22, L105-L109.	0.0	12
33	Commentary: Next Generation Sequencing and Linkage Analysis for the Molecular Diagnosis of a Novel Overlapping Syndrome Characterized by Hypertrophic Cardiomyopathy and Typical Electrical Instability of Brugada Syndrome. Frontiers in Physiology, 2017, 8, 1056.	1.3	11
34	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.	1.3	11
35	Evaluating the Use of Genetics in Brugada Syndrome Risk Stratification. Frontiers in Cardiovascular Medicine, 2021, 8, 652027.	1.1	11
36	Effect of twitch interval duration on the contractile function of subsequent twitches in isolated rat, rabbit, and dog myocardium under physiological conditions. Journal of Applied Physiology, 2011, 111, 1159-1167.	1.2	10

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37	Cholesterol regulation of PIP2: why cell type is so important. Frontiers in Physiology, 2013, 3, 492.	1.3	10
38	Novel SCN5A Frameshift Mutation in Brugada Syndrome Associated With Complex Arrhythmic Phenotype. Frontiers in Genetics, 2019, 10, 547.	1.1	10
39	Right ventricular electromechanical abnormalities in Brugada syndrome: is this a cardiomyopathy?. European Heart Journal Supplements, 2020, 22, E101-E104.	0.0	10
40	Common modulators of Brugada syndrome phenotype do not affect SCN5A prognostic value. European Heart Journal, 2021, 42, 1273-1274.	1.0	10
41	Unusual response to ajmaline test in Brugada syndrome patient leads to extracorporeal membrane oxygenator support. Europace, 2019, 21, 1574-1574.	0.7	9
42	Role of sialidase Neu3 and ganglioside GM3 in cardiac fibroblasts activation. Biochemical Journal, 2020, 477, 3401-3415.	1.7	9
43	Non-invasive assessment of the arrhythmogenic substrate in Brugada syndrome using signal-averaged electrocardiogram: clinical implications from a prospective clinical trial. Europace, 2019, 21, 1900-1910.	0.7	8
44	Genotypeâ€“Phenotype Correlation in a Family with Brugada Syndrome Harboring the Novel p.Gln371* Nonsense Variant in the SCN5A Gene. International Journal of Molecular Sciences, 2019, 20, 5522.	1.8	8
45	The antithetic role of ceramide and sphingosineâ€1â€phosphate in cardiac dysfunction. Journal of Cellular Physiology, 2021, 236, 4857-4873.	2.0	8
46	Brugada Syndrome: Warning of a Systemic Condition?. Frontiers in Cardiovascular Medicine, 2021, 8, 771349.	1.1	8
47	Novel SCN5A p.W697X Nonsense Mutation Segregation in a Family with Brugada Syndrome. International Journal of Molecular Sciences, 2019, 20, 4920.	1.8	7
48	A random cycle length approach for assessment of myocardial contraction in isolated rabbit myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1940-H1948.	1.5	6
49	HIF-1Î± Directly Controls WNT7A Expression During Myogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 593508.	1.8	6
50	Impact of Dietary Factors on Brugada Syndrome and Long QT Syndrome. Nutrients, 2021, 13, 2482.	1.7	6
51	Reversine: A Synthetic Purine with a Dual Activity as a Cell Dedifferentiating Agent and a Selective Anticancer Drug. Current Medicinal Chemistry, 2020, 27, 3448-3462.	1.2	6
52	The Mechanism of Ajmaline and Thus Brugada Syndrome: Not Only the Sodium Channel!. Frontiers in Cardiovascular Medicine, 2021, 8, 782596.	1.1	6
53	Length-Dependent Prolongation of Force Relaxation Is Unaltered by Delay of Intracellular Calcium Decline in Early-Stage Rabbit Right Ventricular Hypertrophy. Frontiers in Physiology, 2017, 8, 945.	1.3	5
54	Novel SCN5A p.V1429M Variant Segregation in a Family with Brugada Syndrome. International Journal of Molecular Sciences, 2020, 21, 5902.	1.8	5

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55	Novel SCN5A p.Val1667Asp Missense Variant Segregation and Characterization in a Family with Severe Brugada Syndrome and Multiple Sudden Deaths. International Journal of Molecular Sciences, 2021, 22, 4700.	1.8	5
56	Early Morning QT Prolongation During Hypoglycemia: Only a Matter of Glucose?. Frontiers in Cardiovascular Medicine, 2021, 8, 688875.	1.1	5
57	Clinical Considerations for a Family with Dilated Cardiomyopathy, Sudden Cardiac Death, and a Novel TTN Frameshift Mutation. International Journal of Molecular Sciences, 2021, 22, 670.	1.8	5
58	Effect of exercise training and myocardial infarction on force development and contractile kinetics in isolated canine myocardium. Journal of Applied Physiology, 2016, 120, 817-824.	1.2	4
59	Commentary: Peptide-Based Targeting of the L-Type Calcium Channel Corrects the Loss-of-Function Phenotype of Two Novel Mutations of the CACNA1 Gene Associated With Brugada Syndrome. Frontiers in Physiology, 2021, 12, 682567.	1.3	2
60	The electro-anatomical pathway for normal and abnormal ECGs in COVID patients. , 0, , .		1
61	The Positive Force-Frequency Relationship Is Maintained In Absence Of Sarcoplasmic Reticulum Function In Rabbit, But Not In Rat Myocardium. Biophysical Journal, 2009, 96, 620a.	0.2	0
62	Increased Phosphorylation of Myofilament Proteins after Stretch in Rabbit Ventricular Myocardium. Biophysical Journal, 2010, 98, 717a.	0.2	0
63	Tetrahydrobiopterin Improves Diastolic Heart Failure by Increasing Myofilament Calcium Sensitivity. Journal of Cardiac Failure, 2012, 18, S7.	0.7	0
64	Post-Translational Modifications of Myofilament Proteins Involved in Length-Dependent Prolongation of Relaxation in Rabbit Right Ventricular Myocardium. Biophysical Journal, 2012, 102, 614a.	0.2	0
65	Further Considerations in Childhood-Onset Hypertrophic Cardiomyopathy Genetic Testing. Frontiers in Cardiovascular Medicine, 2021, 8, 698078.	1.1	0
66	The positive forceâ€frequency relationship is maintained in absence of sarcoplasmic reticulum function in rabbit, but not in rat myocardium. FASEB Journal, 2009, 23, 953.2.	0.2	0
67	Frequency dependent myofilament desensitization is impaired in rabbit right ventricular hypertrophy. FASEB Journal, 2009, 23, 953.1.	0.2	0
68	Letter by Romani et al Regarding Article, "Extracellular Vesicles From Epicardial Fat Facilitate Atrial Fibrillation". Circulation, 2021, 144, e280-e281.	1.6	0