

# Ingrid M Bonilla

## List of Publications by Year in descending order

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33  
papers

744  
citations

516710

16  
h-index

580821

25  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shortened Ca <sup>2+</sup> Signaling Refractoriness Underlies Cellular Arrhythmogenesis in a Postinfarction Model of Sudden Cardiac Death. <i>Circulation Research</i> , 2012, 110, 569-577.	4.5	99
2	Increased RyR2 activity is exacerbated by calcium leak-induced mitochondrial ROS. <i>Basic Research in Cardiology</i> , 2020, 115, 38.	5.9	73
3	Tetrahydrobiopterin depletion and NOS2 uncoupling contribute to heart failure-induced alterations in atrial electrophysiology. <i>Cardiovascular Research</i> , 2011, 91, 71-79.	3.8	70
4	Calcium-Activated Potassium Current Modulates Ventricular Repolarization in Chronic Heart Failure. <i>PLoS ONE</i> , 2014, 9, e108824.	2.5	62
5	Dysfunction in the Î²II Spectrin-Dependent Cytoskeleton Underlies Human Arrhythmia. <i>Circulation</i> , 2015, 131, 695-708.	1.6	56
6	In Utero Particulate Matter Exposure Produces Heart Failure, Electrical Remodeling, and Epigenetic Changes at Adulthood. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	46
7	Nitric Oxide Synthases and Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2012, 3, 105.	2.8	37
8	Differential regulation of EHD3 in human and mammalian heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 1183-1190.	1.9	34
9	Enhancement of Cardiac Store Operated Calcium Entry (SOCE) within Novel Intercalated Disk Microdomains in Arrhythmic Disease. <i>Scientific Reports</i> , 2019, 9, 10179.	3.3	33
10	Targeting OCT3 attenuates doxorubicin-induced cardiac injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
11	Repolarization abnormalities and afterdepolarizations in a canine model of sudden cardiac death. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R1463-R1472.	1.8	28
12	Tetrodotoxin-sensitive Navs contribute to early and delayed afterdepolarizations in long QT arrhythmia models. <i>Journal of General Physiology</i> , 2018, 150, 991-1002.	1.9	25
13	Heart failure duration progressively modulates the arrhythmia substrate through structural and electrical remodeling. <i>Life Sciences</i> , 2015, 123, 61-71.	4.3	24
14	Endurance exercise training normalizes repolarization and calcium-handling abnormalities, preventing ventricular fibrillation in a model of sudden cardiac death. <i>Journal of Applied Physiology</i> , 2012, 113, 1772-1783.	2.5	23
15	Muscarinic Stimulation Facilitates Sarcoplasmic Reticulum Ca Release by Modulating Ryanodine Receptor 2 Phosphorylation Through Protein Kinase G and Ca/Calmodulin-Dependent Protein Kinase II. <i>Hypertension</i> , 2016, 68, 1171-1178.	2.7	21
16	The role of spatial organization of Ca <sup>2+</sup> release sites in the generation of arrhythmogenic diastolic Ca <sup>2+</sup> release in myocytes from failing hearts. <i>Basic Research in Cardiology</i> , 2017, 112, 44.	5.9	17
17	Chronic heart failure increases negative chronotropic effects of adenosine in canine sinoatrial cells via A1R stimulation and GIRK-mediated IKado. <i>Life Sciences</i> , 2020, 240, 117068.	4.3	14
18	Ibandronate and Ventricular Arrhythmia Risk. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 299-306.	1.7	11

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19	Differential Effects of the Peroxynitrite Donor, SIN-1, on Atrial and Ventricular Myocyte Electrophysiology. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 61, 401-407.	1.9	10
20	Dietary Omega-3 Fatty Acids Promote Arrhythmogenic Remodeling of Cellular Ca <sup>2+</sup> Handling in a Postinfarction Model of Sudden Cardiac Death. <i>PLoS ONE</i> , 2013, 8, e78414.	2.5	9
21	Prolonged Action Potential and After depolarizations Are Not due to Changes in Potassium Currents in NOS3 Knockout Ventricular Myocytes. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-8.	2.0	6
22	Muscarinic-dependent phosphorylation of the cardiac ryanodine receptor by protein kinase G is mediated by PI3K/AKT/nNOS signaling. <i>Journal of Biological Chemistry</i> , 2020, 295, 11720-11728.	3.4	6
23	Pyridostigmine improves cardiac function and rhythmicity through RyR2 stabilization and inhibition of STIM1-mediated calcium entry in heart failure. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 4637-4648.	3.6	3
24	Chronic Omega-3 Polyunsaturated Fatty Acid Treatment Variably Affects Cellular Repolarization in a Healed Post-MI Arrhythmia Model. <i>Frontiers in Physiology</i> , 2016, 7, 225.	2.8	2
25	Molecular Mechanism and Current Therapies for Catecholaminergic Polymorphic Ventricular Tachycardia. , 0, , .		1
26	Abstract 14035: Renal Tubular Secretion and Cardiac Distribution of Dofetilide is Dependent on MATE1 Function. <i>Circulation</i> , 2020, 142, .	1.6	1
27	Hyperactivity of RyR2 in Cardiac Disease is Exacerbated by Calcium Leak-Induced Mitochondrial ROS. <i>Biophysical Journal</i> , 2020, 118, 255a-256a.	0.5	0
28	Muscarinic Receptor Stimulation Differentially Regulates Nucleoplasmic Calcium in Atrial and Ventricular Myocytes. <i>Biophysical Journal</i> , 2020, 118, 563a.	0.5	0
29	SOCE Contributes to Normal Calcium Homeostasis and Rythmic Activity of Atrial Myocardium. <i>Biophysical Journal</i> , 2020, 118, 406a.	0.5	0
30	Pyridostigmine Reduces Arrhythmogenic Store Operated Calcium Entry in a Transverse Aortic Constriction HF Model in Mice. <i>Biophysical Journal</i> , 2020, 118, 405a.	0.5	0
31	Abstract 17344: Increasing Calcium-activated Potassium Current Shortens and Stabilizes Repolarization in Chronic Heart Failure. <i>Circulation</i> , 2015, 132, .	1.6	0
32	Abstract 17375: In Utero Particulate Matter Exposure Produces Heart Failure and Electrical Remodeling at Adulthood. <i>Circulation</i> , 2015, 132, .	1.6	0
33	Renal Tubular Secretion of Dofetilide is Dependent on MATE1 Function. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0