

# Radmila Terentyeva

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,598  
citations

279798

23  
h-index

377865

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial calpain inhibition restores defective SR-mitochondrial crosstalk in CPVT rat myocytes. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	0
2	Ero1 $\pm$ -Dependent ERp44 Dissociation From RyR2 Contributes to Cardiac Arrhythmia. <i>Circulation Research</i> , 2022, 130, 711-724.	4.5	16
3	Interleukin-1 $\beta$ , Oxidative Stress, and Abnormal Calcium Handling Mediate Diabetic Arrhythmic Risk. <i>JACC Basic To Translational Science</i> , 2021, 6, 42-52.	4.1	25
4	Pyridostigmine improves cardiac function and rhythmicity through RyR2 stabilization and inhibition of STIM1 $\alpha$ -mediated calcium entry in heart failure. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 4637-4648.	3.6	3
5	Sarcoplasmic reticulum-mitochondria communication; implications for cardiac arrhythmia. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 156, 105-113.	1.9	16
6	MCU overexpression evokes disparate dose-dependent effects on mito-ROS and spontaneous Ca <sup>2+</sup> release in hypertrophic rat cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H615-H632.	3.2	16
7	PKA phosphorylation underlies functional recruitment of sarcolemmal SK2 channels in ventricular myocytes from hypertrophic hearts. <i>Journal of Physiology</i> , 2020, 598, 2847-2873.	2.9	23
8	Increased RyR2 activity is exacerbated by calcium leak-induced mitochondrial ROS. <i>Basic Research in Cardiology</i> , 2020, 115, 38.	5.9	73
9	Impact of ISK Voltage and Ca <sup>2+</sup> /Mg <sup>2+</sup> -Dependent Rectification on Cardiac Repolarization. <i>Biophysical Journal</i> , 2020, 119, 690-704.	0.5	5
10	Pharmacological Modulation of Mitochondrial Ca <sup>2+</sup> Content Regulates Sarcoplasmic Reticulum Ca <sup>2+</sup> Release via Oxidation of the Ryanodine Receptor by Mitochondria-Derived Reactive Oxygen Species. <i>Frontiers in Physiology</i> , 2018, 9, 1831.	2.8	42
11	Transient Outward K <sup>+</sup> Current (I <sub>to</sub> ) Underlies the Right Ventricular Initiation of Polymorphic Ventricular Tachycardia in a Transgenic Rabbit Model of Long-QT Syndrome Type 1. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e005414.	4.8	15
12	SK Channel Enhancers Attenuate Ca <sup>2+</sup> -Dependent Arrhythmia in Hypertrophic Hearts by Regulating Mito-ROS-Dependent Oxidation and Activity of RyR. <i>Cardiovascular Research</i> , 2017, 113, cvx005.	3.8	45
13	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
14	Hyperphosphorylation of RyRs Underlies Triggered Activity in Transgenic Rabbit Model of LQT2 Syndrome. <i>Circulation Research</i> , 2014, 115, 919-928.	4.5	64
15	Sarcoplasmic reticulum Ca <sup>2+</sup> release is both necessary and sufficient for SK channel activation in ventricular myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H738-H746.	3.2	43
16	Redox modification of ryanodine receptors by mitochondria-derived reactive oxygen species contributes to aberrant Ca <sup>2+</sup> handling in ageing rabbit hearts. <i>Journal of Physiology</i> , 2013, 591, 5895-5911.	2.9	97
17	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
18	Age-associated attenuation of autophagy underlies ryanodine receptor hyperactivity. <i>FASEB Journal</i> , 2013, 27, .	0.5	0

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19	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
20	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
21	MicroRNA-1 and -133 Increase Arrhythmogenesis in Heart Failure by Dissociating Phosphatase Activity from RyR2 Complex. <i>PLoS ONE</i> , 2011, 6, e28324.	2.5	134
22	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
23	Arrhythmogenic adverse effects of cardiac glycosides are mediated by redox modification of ryanodine receptors. <i>Journal of Physiology</i> , 2011, 589, 4697-4708.	2.9	36
24	The relationship between arrhythmogenesis and impaired contractility in heart failure: role of altered ryanodine receptor function. <i>Cardiovascular Research</i> , 2011, 90, 493-502.	3.8	109
25	Chronic heart failure and the substrate for atrial fibrillation. <i>Cardiovascular Research</i> , 2009, 84, 227-236.	3.8	67
26	Redox modification of ryanodine receptors underlies calcium alternans in a canine model of sudden cardiac death. <i>Cardiovascular Research</i> , 2009, 84, 387-395.	3.8	133
27	miR-1 Overexpression Enhances Ca <sup>2+</sup> Release and Promotes Cardiac Arrhythmogenesis by Targeting PP2A Regulatory Subunit B56 $\beta$ and CaMKII-Dependent Hyperphosphorylation of RyR2. <i>Circulation Research</i> , 2009, 104, 514-521.	4.5	268
28	Modulation of SR Ca Release by Luminal Ca and Calsequestrin in Cardiac Myocytes: Effects of CASQ2 Mutations Linked to Sudden Cardiac Death. <i>Biophysical Journal</i> , 2008, 95, 2037-2048.	0.5	91
29	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
30	Redox Modification of Ryanodine Receptors Contributes to Sarcoplasmic Reticulum Ca <sup>2+</sup> Leak in Chronic Heart Failure. <i>Circulation Research</i> , 2008, 103, 1466-1472.	4.5	315
31	Abnormal Interactions of Calsequestrin With the Ryanodine Receptor Calcium Release Channel Complex Linked to Exercise-Induced Sudden Cardiac Death. <i>Circulation Research</i> , 2006, 98, 1151-1158.	4.5	179
32	Abnormal intrastore calcium signaling in chronic heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14104-14109.	7.1	182
33	Triadin Overexpression Stimulates Excitation-Contraction Coupling and Increases Predisposition to Cellular Arrhythmia in Cardiac Myocytes. <i>Circulation Research</i> , 2005, 96, 651-658.	4.5	73
34	Abnormal Calcium Signaling and Sudden Cardiac Death Associated With Mutation of Calsequestrin. <i>Circulation Research</i> , 2004, 94, 471-477.	4.5	158
35	Modulation of cytosolic and intra-sarcoplasmic reticulum calcium waves by calsequestrin in rat cardiac myocytes. <i>Journal of Physiology</i> , 2004, 561, 515-524.	2.9	50
36	Protein Phosphatases Decrease Sarcoplasmic Reticulum Calcium Content by Stimulating Calcium Release in Cardiac Myocytes. <i>Journal of Physiology</i> , 2003, 552, 109-118.	2.9	74