

Jeffrey R Erickson

List of Publications by Year in descending order

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29
papers

2,454
citations

471509

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docs citations

29
times ranked

3398
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-tuning the cardiac O-GlcNAcylation regulatory enzymes governs the functional and structural phenotype of the diabetic heart. <i>Cardiovascular Research</i> , 2022, 118, 212-225.	3.8	47
2	Treadmill running increases the calcium sensitivity of myofilaments in diabetic rats. <i>Journal of Applied Physiology</i> , 2022, 132, 1350-1360.	2.5	4
3	CaMKII Splice Variants in Vascular Smooth Muscle Cells: The Next Step or Redundancy?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7916.	4.1	4
4	CaMKII and PKA-dependent phosphorylation co-regulate nuclear localization of HDAC4 in adult cardiomyocytes. <i>Basic Research in Cardiology</i> , 2021, 116, 11.	5.9	15
5	CaMKII Serine 280 O-GlcNAcylation Links Diabetic Hyperglycemia to Proarrhythmia. <i>Circulation Research</i> , 2021, 129, 98-113.	4.5	38
6	Protein O-GlcNAcylation in the heart. <i>Acta Physiologica</i> , 2021, 233, e13696.	3.8	18
7	CaMKII Inhibition is a Novel Therapeutic Strategy to Prevent Diabetic Cardiomyopathy. <i>Frontiers in Pharmacology</i> , 2021, 12, 695401.	3.5	10
8	Increased myofilament calcium sensitivity is associated with decreased cardiac troponin I phosphorylation in the diabetic rat heart. <i>Experimental Physiology</i> , 2021, 106, 2235-2247.	2.0	5
9	Carvedilol and metoprolol are both able to preserve myocardial function in type 2 diabetes. <i>Physiological Reports</i> , 2020, 8, e14394.	1.7	4
10	A Timing Effect of 17- β Estradiol on Atherosclerotic Lesion Development in Female ApoE ^{-/-} Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4710.	4.1	1
11	Lower sarcoplasmic reticulum Ca ²⁺ threshold for triggering afterdepolarizations in diabetic rat hearts. <i>Heart Rhythm</i> , 2019, 16, 765-772.	0.7	19
12	Physiology and pathology of cardiac CaMKII. <i>Current Opinion in Physiology</i> , 2018, 1, 52-58.	1.8	6
13	CaMKII in Vascular Signalling: "Friend or Foe"? <i>Heart Lung and Circulation</i> , 2018, 27, 560-567.	0.4	11
14	Inhibition of calcium/calmodulin-dependent kinase II restores contraction and relaxation in isolated cardiac muscle from type 2 diabetic rats. <i>Cardiovascular Diabetology</i> , 2018, 17, 89.	6.8	38
15	Cardiomyocyte Functional Etiology in Heart Failure With Preserved Ejection Fraction Is Distinctive: A New Preclinical Model. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	27
16	CaMKII δ mediates β -adrenergic effects on RyR2 phosphorylation and SR Ca ²⁺ leak and the pathophysiological response to chronic β -adrenergic stimulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 282-291.	1.9	69
17	The role of CaMKII in diabetic heart dysfunction. <i>Heart Failure Reviews</i> , 2015, 20, 589-600.	3.9	30
18	Novel Epac fluorescent ligand reveals distinct Epac1 vs. Epac2 distribution and function in cardiomyocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3991-3996.	7.1	57

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19	S-Nitrosylation Induces Both Autonomous Activation and Inhibition of Calcium/Calmodulin-dependent Protein Kinase II β . <i>Journal of Biological Chemistry</i> , 2015, 290, 25646-25656.	3.4	81
20	Cardiac CaMKII β splice variants exhibit target signaling specificity and confer sex-selective arrhythmogenic actions in the ischemic-reperfused heart. <i>International Journal of Cardiology</i> , 2015, 181, 288-296.	1.7	27
21	Mechanisms of CaMKII Activation in the Heart. <i>Frontiers in Pharmacology</i> , 2014, 5, 59.	3.5	115
22	Intracellular signalling mechanism responsible for modulation of sarcolemmal ATP-sensitive potassium channels by nitric oxide in ventricular cardiomyocytes. <i>Journal of Physiology</i> , 2014, 592, 971-990.	2.9	48
23	Ca ²⁺ /calmodulin dependent kinase II: A critical mediator in determining reperfusion outcomes in the heart?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 940-946.	1.9	9
24	Diabetic hyperglycaemia activates CaMKII and arrhythmias by O-linked glycosylation. <i>Nature</i> , 2013, 502, 372-376.	27.8	495
25	CaMKII in the Cardiovascular System: Sensing Redox States. <i>Physiological Reviews</i> , 2011, 91, 889-915.	28.8	192
26	Fluorescence Resonance Energy Transfer-Based Sensor Camui Provides New Insight Into Mechanisms of Calcium/Calmodulin-Dependent Protein Kinase II Activation in Intact Cardiomyocytes. <i>Circulation Research</i> , 2011, 109, 729-738.	4.5	82
27	CaMKII and Its Role in Cardiac Arrhythmia. <i>Journal of Cardiovascular Electrophysiology</i> , 2008, 19, 1332-1336.	1.7	45
28	A Dynamic Pathway for Calcium-Independent Activation of CaMKII by Methionine Oxidation. <i>Cell</i> , 2008, 133, 462-474.	28.9	951
29	A competition assay of magnesium affinity for EF-hand proteins based on the fluorescent indicator magnesium green. <i>Analytical Biochemistry</i> , 2005, 345, 343-345.	2.4	6