

# Jader Santos Cruz

## List of Publications by Citations

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145  
papers

3,029  
citations

31  
h-index

48  
g-index

151  
ext. papers

3,378  
ext. citations

4.3  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
145	Termination of cardiac Ca(2+) sparks: an investigative mathematical model of calcium-induced calcium release. <i>Biophysical Journal</i> , <b>2002</b> , 83, 59-78	2.9	254
144	Impairment of in vitro and in vivo heart function in angiotensin-(1-7) receptor MAS knockout mice. <i>Hypertension</i> , <b>2006</b> , 47, 996-1002	8.5	189
143	Morphine peripheral analgesia depends on activation of the PI3Kgamma/AKT/nNOS/NO/KATP signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 4442-7	11.5	155
142	Study of anticonvulsant effect of citronellol, a monoterpene alcohol, in rodents. <i>Neuroscience Letters</i> , <b>2006</b> , 401, 231-5	3.3	110
141	Cellular and functional defects in a mouse model of heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 279, H3101-12	5.2	97
140	Dysautonomia due to reduced cholinergic neurotransmission causes cardiac remodeling and heart failure. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 1746-56	4.8	64
139	Functional and structural features of gamma-zethionins, a new class of sodium channel blockers. <i>FEBS Letters</i> , <b>1998</b> , 440, 302-6	3.8	61
138	Molecular identification of a TTX-sensitive Ca(2+) current. <i>American Journal of Physiology - Cell Physiology</i> , <b>2001</b> , 280, C1327-39	5.4	61
137	Inhibition of neuronal high-voltage activated calcium channels by the omega-phoneutria nigriventer Tx3-3 peptide toxin. <i>Neuropharmacology</i> , <b>2000</b> , 39, 1756-67	5.5	54
136	Phoneutria nigriventer toxin Tx3-1 blocks A-type K+ currents controlling Ca2+ oscillation frequency in GH3 cells. <i>Journal of Neurochemistry</i> , <b>1999</b> , 72, 1472-81	6	53
135	The endocannabinoid system mediates aerobic exercise-induced antinociception in rats. <i>Neuropharmacology</i> , <b>2014</b> , 77, 313-24	5.5	51
134	A toxin from the spider Phoneutria nigriventer that blocks calcium channels coupled to exocytosis. <i>British Journal of Pharmacology</i> , <b>1997</b> , 122, 591-7	8.6	51
133	Linalool blocks excitability in peripheral nerves and voltage-dependent Na+ current in dissociated dorsal root ganglia neurons. <i>European Journal of Pharmacology</i> , <b>2010</b> , 645, 86-93	5.3	49
132	Cardiac oxidative stress is involved in heart failure induced by thiamine deprivation in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 298, H2039-45	5.2	45
131	Acute resistance exercise induces antinociception by activation of the endocannabinoid system in rats. <i>Anesthesia and Analgesia</i> , <b>2014</b> , 119, 702-715	3.9	44
130	Electrophysiological characterization and molecular identification of the Phoneutria nigriventer peptide toxin PnTx2-6. <i>FEBS Letters</i> , <b>2002</b> , 523, 219-23	3.8	44
129	The benefits of endurance training in cardiomyocyte function in hypertensive rats are reversed within four weeks of detraining. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 57, 119-28	5.8	43

128	Role of SOCS2 in modulating heart damage and function in a murine model of acute Chagas disease. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 130-40	5.8	43
127	Changes in cellular contractility and cytokines profile during <i>Trypanosoma cruzi</i> infection in mice. <i>Basic Research in Cardiology</i> , <b>2009</b> , 104, 238-46	11.8	42
126	Macrophage damage by <i>Leishmania amazonensis</i> cytolysin: evidence of pore formation on cell membrane. <i>Infection and Immunity</i> , <b>2000</b> , 68, 4578-84	3.7	40
125	Cloning, cDNA sequence analysis and patch clamp studies of a toxin from the venom of the armed spider ( <i>Phoneutria nigriventer</i> ). <i>Toxicon</i> , <b>1998</b> , 36, 1971-80	2.8	38
124	Cloning of cDNAs encoding neurotoxic peptides from the spider <i>Phoneutria nigriventer</i> . <i>Toxicon</i> , <b>1998</b> , 36, 1843-50	2.8	34
123	PhTx4, a new class of toxins from <i>Phoneutria nigriventer</i> spider venom, inhibits the glutamate uptake in rat brain synaptosomes. <i>Brain Research</i> , <b>1999</b> , 831, 297-300	3.7	34
122	Essential oils components as a new path to understand ion channel molecular pharmacology. <i>Life Sciences</i> , <b>2011</b> , 89, 540-4	6.8	33
121	Distinct effects of carvone analogues on the isolated nerve of rats. <i>European Journal of Pharmacology</i> , <b>2010</b> , 645, 108-12	5.3	33
120	Exercise capacity is related to calcium transients in ventricular cardiomyocytes. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 593-8	3.7	32
119	CSTX-1, a toxin from the venom of the hunting spider <i>Cupiennius salei</i> , is a selective blocker of L-type calcium channels in mammalian neurons. <i>Neuropharmacology</i> , <b>2007</b> , 52, 1650-62	5.5	32
118	Phosphatidylinositol 3-kinase- $\alpha$ p-regulates L-type $Ca^{2+}$ currents and increases vascular contractility in a mouse model of type 1 diabetes. <i>British Journal of Pharmacology</i> , <b>2010</b> , 161, 1458-71	8.6	31
117	Structure and activity analysis of two spider toxins that alter sodium channel inactivation kinetics. <i>Biochemistry</i> , <b>2009</b> , 48, 3078-88	3.2	31
116	Thiamine deficiency during pregnancy leads to cerebellar neuronal death in rat offspring: role of voltage-dependent $K^{+}$ channels. <i>Brain Research</i> , <b>2007</b> , 1134, 79-86	3.7	31
115	Calcium channel blockade as a target for the cardiovascular effects induced by the 8 (17), 12E, 14-labdatrien-18-oic acid (labdane-302). <i>Vascular Pharmacology</i> , <b>2006</b> , 44, 338-44	5.9	31
114	PnPP-19, a Synthetic and Nontoxic Peptide Designed from a <i>Phoneutria nigriventer</i> Toxin, Potentiates Erectile Function via NO/cGMP. <i>Journal of Urology</i> , <b>2015</b> , 194, 1481-90	2.5	29
113	Evaluation of the sesquiterpene (-)- $\alpha$ -bisabolol as a novel peripheral nervous blocker. <i>Neuroscience Letters</i> , <b>2010</b> , 472, 11-5	3.3	29
112	Rosewood oil induces sedation and inhibits compound action potential in rodents. <i>Journal of Ethnopharmacology</i> , <b>2009</b> , 124, 440-3	5	29
111	Eugenol modifies the excitability of rat sciatic nerve and superior cervical ganglion neurons. <i>Neuroscience Letters</i> , <b>2010</b> , 472, 220-4	3.3	25

110	Rotundifolone-induced relaxation is mediated by BK(Ca) channel activation and Ca(v) channel inactivation. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2011</b> , 109, 465-75	3.1	24
109	Curine, a bisbenzylisoquinoline alkaloid, blocks L-type Ca <sup>2+</sup> channels and decreases intracellular Ca <sup>2+</sup> transients in A7r5 cells. <i>European Journal of Pharmacology</i> , <b>2011</b> , 669, 100-7	5.3	24
108	Abolition of reperfusion-induced arrhythmias in hearts from thiamine-deficient rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H394-401	5.2	24
107	Tension generation and increase in voltage-activated Na <sup>+</sup> current by crostamine. <i>European Journal of Pharmacology</i> , <b>1998</b> , 348, 167-73	5.3	24
106	Current aspects of thiamine deficiency on heart function. <i>Life Sciences</i> , <b>2014</b> , 98, 1-5	6.8	23
105	Functional cross-talk between aldosterone and angiotensin-(1-7) in ventricular myocytes. <i>Hypertension</i> , <b>2013</b> , 61, 425-30	8.5	23
104	Cardiotoxic effects of <i>Loxosceles intermedia</i> spider venom and the recombinant venom toxin rLiD1. <i>Toxicon</i> , <b>2010</b> , 56, 1426-35	2.8	23
103	Arenobufagin, a compound in toad venom, blocks Na(+)-K <sup>+</sup> pump current in cardiac myocytes. <i>European Journal of Pharmacology</i> , <b>1993</b> , 239, 223-6	5.3	23
102	Kinin B1 receptor participates in the control of cardiac function in mice. <i>Life Sciences</i> , <b>2007</b> , 81, 814-22	6.8	22
101	Hydroalcoholic extract from <i>Nerium oleander</i> L. (Apocynaceae) elicits arrhythmogenic activity. <i>Journal of Ethnopharmacology</i> , <b>2017</b> , 206, 170-177	5	21
100	Geraniol blocks calcium and potassium channels in the mammalian myocardium: useful effects to treat arrhythmias. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2014</b> , 115, 534-44	3.1	20
99	Molecular and biochemical characterization of a cytolysin from the <i>Scorpaena plumieri</i> (scorpionfish) venom: evidence of pore formation on erythrocyte cell membrane. <i>Toxicon</i> , <b>2013</b> , 74, 92-100	2.8	20
98	Mechanism of the antihypertensive and vasorelaxant effects of the flavonoid tiliroside in resistance arteries. <i>Planta Medica</i> , <b>2013</b> , 79, 1003-8	3.1	20
97	Cardiac structural changes and electrical remodeling in a thiamine-deficiency model in rats. <i>Life Sciences</i> , <b>2009</b> , 84, 817-24	6.8	19
96	N-type Ca channels are affected by full-length mutant huntingtin expression in a mouse model of Huntington's disease. <i>Neurobiology of Aging</i> , <b>2017</b> , 55, 1-10	5.6	18
95	Cardiodepressive effect elicited by the essential oil of <i>Alpinia speciosa</i> is related to L-type Ca <sup>2+</sup> current blockade. <i>Phytomedicine</i> , <b>2011</b> , 18, 539-43	6.5	18
94	R(+)-pulegone impairs Ca <sup>2+</sup> homeostasis and causes negative inotropism in mammalian myocardium. <i>European Journal of Pharmacology</i> , <b>2011</b> , 672, 135-42	5.3	18
93	Regional effects of low-intensity endurance training on structural and mechanical properties of rat ventricular myocytes. <i>Journal of Applied Physiology</i> , <b>2013</b> , 115, 107-15	3.7	17

92	Swim training does not protect mice from skeletal muscle oxidative damage following a maximum exercise test. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 2523-30	3.4	16
91	trans-Caryophyllene, a natural sesquiterpene, causes tracheal smooth muscle relaxation through blockade of voltage-dependent Ca <sup>2+</sup> channels. <i>Molecules</i> , <b>2012</b> , 17, 11965-77	4.8	16
90	Increased oxidative stress and CaMKII activity contribute to electro-mechanical defects in cardiomyocytes from a murine model of Huntington's disease. <i>FEBS Journal</i> , <b>2019</b> , 286, 110-123	5.7	16
89	Molecular mechanisms of cardiac electromechanical remodeling during Chagas disease: Role of TNF and TGF- $\beta$ <i>Trends in Cardiovascular Medicine</i> , <b>2017</b> , 27, 81-91	6.9	15
88	Croton sonderianus essential oil samples distinctly affect rat airway smooth muscle. <i>Phytomedicine</i> , <b>2010</b> , 17, 721-5	6.5	15
87	Depressive effects of arenobufagin on the delayed rectifier K <sup>+</sup> current of guinea-pig cardiac myocytes. <i>European Journal of Pharmacology</i> , <b>1994</b> , 266, 317-25		15
86	Hydrogen peroxide and nitric oxide induce anticontractile effect of perivascular adipose tissue via renin angiotensin system activation. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2019</b> , 84, 50-59	5	15
85	Mechanisms of vascular dysfunction in acute phase of Trypanosoma cruzi infection in mice. <i>Vascular Pharmacology</i> , <b>2016</b> , 82, 73-81	5.9	14
84	Altered Cardiomyocyte Function and Trypanosoma cruzi Persistence in Chagas Disease. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2016</b> , 94, 1028-33	3.2	14
83	Novel insights into the development of chagasic cardiomyopathy: role of PI3Kinase/NO axis. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 3011-20	3.2	14
82	Resurgent Na <sup>+</sup> current: a new avenue to neuronal excitability control. <i>Life Sciences</i> , <b>2011</b> , 89, 564-9	6.8	14
81	(S)-reticuline induces vasorelaxation through the blockade of L-type Ca(2+) channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2009</b> , 379, 115-25	3.4	14
80	Carvacrol modulates voltage-gated sodium channels kinetics in dorsal root ganglia. <i>European Journal of Pharmacology</i> , <b>2015</b> , 756, 22-9	5.3	13
79	Cardiomyocyte dysfunction during the chronic phase of Chagas disease. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2013</b> , 108, 243-5	2.6	13
78	New insights into the elucidation of angiotensin-(1-7) in vivo antiarrhythmic effects and its related cellular mechanisms. <i>Experimental Physiology</i> , <b>2016</b> , 101, 1506-1516	2.4	12
77	Investigation of terpinen-4-ol effects on vascular smooth muscle relaxation. <i>Life Sciences</i> , <b>2014</b> , 115, 52-8	6.8	12
76	Investigation of the cardiomyocyte dysfunction in bradykinin type 2 receptor knockout mice. <i>Life Sciences</i> , <b>2010</b> , 87, 715-23	6.8	12
75	N-salicyloyltryptamine, a new anticonvulsant drug, acts on voltage-dependent Na <sup>+</sup> , Ca <sup>2+</sup> , and K <sup>+</sup> ion channels. <i>British Journal of Pharmacology</i> , <b>2003</b> , 140, 1331-9	8.6	12

74	TRPM8 Channel Activation Induced by Monoterpenoid Rotundifolone Underlies Mesenteric Artery Relaxation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143171	3.7	12
73	Calcium overload-induced arrhythmia is suppressed by farnesol in rat heart. <i>European Journal of Pharmacology</i> , <b>2019</b> , 859, 172488	5.3	11
72	d-Limonene Ameliorates Myocardial Infarction Injury by Reducing Reactive Oxygen Species and Cell Apoptosis in a Murine Model. <i>Journal of Natural Products</i> , <b>2019</b> , 82, 3010-3019	4.9	11
71	Thiamine deficiency leads to reduced nitric oxide production and vascular dysfunction in rats. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2014</b> , 24, 183-8	4.5	11
70	Plasma cytokine response, lipid peroxidation and NF- $\kappa$ B activation in skeletal muscle following maximum progressive swimming. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2011</b> , 44, 546-52	2.8	11
69	Impaired cellular contractile function in thiamine-deficient rat cardiomyocytes. <i>European Journal of Heart Failure</i> , <b>2009</b> , 11, 1126-8	12.3	11
68	Regulation of the glutamate uptake by extracellular calcium. <i>Brain Research</i> , <b>2002</b> , 936, 21-6	3.7	11
67	TNF- $\alpha$ -mediated upregulation of Na $^{1.7}$ currents in rat dorsal root ganglion neurons is independent of CRMP2 SUMOylation. <i>Molecular Brain</i> , <b>2019</b> , 12, 117	4.5	11
66	The Peptide PnPP-19, a Spider Toxin Derivative, Activates $\mu$ Opioid Receptors and Modulates Calcium Channels. <i>Toxins</i> , <b>2018</b> , 10,	4.9	10
65	Chronic exercise partially restores the transmural heterogeneity of action potential duration in left ventricular myocytes of spontaneous hypertensive rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2012</b> , 39, 155-7	3	10
64	Detection of oral streptococci in dental biofilm from caries-active and caries-free children. <i>Brazilian Journal of Microbiology</i> , <b>2008</b> , 39, 648-51	2.2	10
63	Functionalized nanomaterials: are they effective to perform gene delivery to difficult-to-transfect cells with no cytotoxicity?. <i>Nanoscale</i> , <b>2015</b> , 7, 18036-43	7.7	9
62	Inhibitory effect of terpinen-4-ol on voltage-dependent potassium currents in rat small sensory neurons. <i>Journal of Natural Products</i> , <b>2015</b> , 78, 173-80	4.9	9
61	Effect of exercise training on Ca $^{2+}$ release units of left ventricular myocytes of spontaneously hypertensive rats. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2014</b> , 47, 960-5	2.8	9
60	Thiamine deficiency in vitro accelerates A-type potassium current inactivation in cerebellar granule neurons. <i>Neuroscience</i> , <b>2012</b> , 221, 108-14	3.9	9
59	Veratridine modifies the TTX-resistant Na $^{+}$ channels in rat vagal afferent neurons. <i>Toxicon</i> , <b>2004</b> , 43, 401-6	2.8	9
58	Cardiovascular effects of Sp-CTx, a cytolyisin from the scorpionfish ( <i>Scorpaena plumieri</i> ) venom. <i>Toxicon</i> , <b>2016</b> , 118, 141-8	2.8	9
57	Alterations of Calcium Channels in a Mouse Model of Huntington's Disease and Neuroprotection by Blockage of Ca $^{1}$ Channels. <i>ASN Neuro</i> , <b>2019</b> , 11, 1759091419856811	5.3	8

56	Reactive oxygen species and nitric oxide imbalances lead to in vivo and in vitro arrhythmogenic phenotype in acute phase of experimental Chagas disease. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008379	7.6	8
55	Angiotensin II increases excitability and inhibits a transient potassium current in vagal primary sensory neurons. <i>Neuropeptides</i> , <b>2009</b> , 43, 193-9	3.3	8
54	Leftward shift in the voltage-dependence for Ca <sup>2+</sup> currents activation induced by a new toxin from <i>Phoneutria reidyi</i> (Aranae, Ctenidae) venom. <i>Cellular and Molecular Neurobiology</i> , <b>2007</b> , 27, 129-46	4.6	8
53	Glutamate transport in rat cerebellar granule cells is impaired by inorganic epileptogenic agents. <i>Neuroscience Letters</i> , <b>2001</b> , 310, 85-8	3.3	8
52	Andrographolide protects against isoproterenol-induced myocardial infarction in rats through inhibition of L-type Ca and increase of cardiac transient outward K currents. <i>European Journal of Pharmacology</i> , <b>2021</b> , 906, 174194	5.3	8
51	(-)-Terpinen-4-ol changes intracellular Ca handling and induces pacing disturbance in rat hearts. <i>European Journal of Pharmacology</i> , <b>2017</b> , 807, 56-63	5.3	7
50	Dissection of the Effects of Quercetin on Mouse Myocardium. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2017</b> , 120, 550-559	3.1	7
49	Blocking the L-type Ca <sup>2+</sup> channel (Cav 1.2) is the key mechanism for the vascular relaxing effect of <i>Pterodon</i> spp. and its isolated diterpene methyl-6-acetoxy-7-hydroxyvouacapan-17-oate. <i>Pharmacological Research</i> , <b>2015</b> , 100, 242-9	10.2	7
48	Comparative Cardiotoxicity of Low Doses of Digoxin, Ouabain, and Oleandrin. <i>Cardiovascular Toxicology</i> , <b>2020</b> , 20, 539-547	3.4	7
47	Non-invasive ECG recording and QT interval correction assessment in anesthetized rats and mice. <i>Pesquisa Veterinaria Brasileira</i> , <b>2019</b> , 39, 409-415	0.4	7
46	Warifteine, a bisbenzylisoquinoline alkaloid, induces relaxation by activating potassium channels in vascular myocytes. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2013</b> , 40, 37-44	3	7
45	Vascular Kinin B and B Receptors Determine Endothelial Dysfunction through Neuronal Nitric Oxide Synthase. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 228	4.6	7
44	Chronic Sympathetic Hyperactivity Triggers Electrophysiological Remodeling and Disrupts Excitation-Contraction Coupling in Heart. <i>Scientific Reports</i> , <b>2020</b> , 10, 8001	4.9	6
43	Is there a role for voltage-gated Na <sup>+</sup> channels in the aggressiveness of breast cancer?. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2017</b> , 50, e6011	2.8	6
42	Pharmacological evaluation of R(+)-pulegone on cardiac excitability: role of potassium current blockage and control of action potential waveform. <i>Phytomedicine</i> , <b>2014</b> , 21, 1146-53	6.5	5
41	Basal and $\beta$ -adrenergic cardiomyocytes contractility dysfunction induced by dietary protein restriction is associated with downregulation of SERCA2a expression and disturbance of endoplasmic reticulum Ca <sup>2+</sup> regulation in rats. <i>Cellular Physiology and Biochemistry</i> , <b>2014</b> , 34, 443-54	3.9	5
40	Tityustoxin effect on nerve compound action potentials requires extracellular sodium. <i>Neuroscience Letters</i> , <b>2000</b> , 282, 25-8	3.3	5
39	Diminazene aceturate (DIZE) has cellular and in vivo antiarrhythmic effects. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2020</b> , 47, 213-219	3	5

38	Redox-Active Drug, MnTE-2-PyP, Prevents and Treats Cardiac Arrhythmias Preserving Heart Contractile Function. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 4850697	6.7	5
37	Increase in Ca current by sustained cAMP levels enhances proliferation rate in GH3 cells. <i>Life Sciences</i> , <b>2018</b> , 192, 144-150	6.8	5
36	Thiamine Deficiency Increases Ca Current and Ca <sub>v</sub> 1.2 L-type Ca Channel Levels in Cerebellum Granular Neurons. <i>Cellular and Molecular Neurobiology</i> , <b>2017</b> , 37, 453-460	4.6	4
35	Angiotensin II inhibition of Ca <sup>2+</sup> currents is independent of ATR1 angiotensin II receptor activation in rat adult vagal afferent neurons. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2005</b> , 117, 79-86	2.4	4
34	Utilization of O-phthalaldehyde-sulphuric acid as a spray reagent in thin-layer chromatographic detection of some indolealkylamines and application to cutaneous secretion extracts of toad species. <i>Talanta</i> , <b>1991</b> , 38, 1303-7	6.2	4
33	A Probabilistic Model Checking Approach to Investigate the Palytoxin Effects on the Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 84-96	0.9	4
32	Myocardial hypertrophy is prevented by farnesol through oxidative stress and ERK1/2 signaling pathways. <i>European Journal of Pharmacology</i> , <b>2020</b> , 887, 173583	5.3	4
31	(+)-Usnic Acid Isolated from the Lichen Cladonia substellata Impairs Myocardial Contractility. <i>Planta Medica International Open</i> , <b>2017</b> , 4, e59-e65	0.8	3
30	Palytoxin Inhibits the Sodium-Potassium Pump [An Investigation of an Electrophysiological Model Using Probabilistic Model Checking. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 35-50	0.9	3
29	Aqueous fraction from <i>Costus spiralis</i> (Jacq.) Roscoe leaf reduces contractility by impairing the calcium inward current in the mammalian myocardium. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 138, 382-9	5	3
28	Aqueous leaf extract of <i>Averrhoa carambola</i> L. (Oxalidaceae) reduces both the inotropic effect of BAY K 8644 on the guinea pig atrium and the calcium current on GH3 cells. <i>Revista Brasileira De Farmacognosia</i> , <b>2008</b> , 18, 539-543	2	3
27	Tx1, from <i>Phoneutria nigriventer</i> spider venom, interacts with dihydropyridine sensitive-calcium channels in GH3 cells. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2006</b> , 269, 585-589	1.5	3
26	Resident Macrophages Orchestrating Heart Rate. <i>Arquivos Brasileiros De Cardiologia</i> , <b>2019</b> , 112, 588-591	1.2	3
25	A novel substrate for arrhythmias in Chagas disease. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009421	18	3
24	Role of formyl peptide receptor 2 (FPR2) in modulating immune response and heart inflammation in an experimental model of acute and chronic Chagas disease. <i>Cellular Immunology</i> , <b>2021</b> , 369, 104427	4.4	3
23	Mechanisms of artemether toxicity on single cardiomyocytes and protective effect of nanoencapsulation. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 4448-4463	8.6	2
22	Electrical properties of isolated cardiomyocytes in a rat model of thiamine deficiency. <i>Arquivos Brasileiros De Cardiologia</i> , <b>2015</b> , 104, 242-5	1.2	2
21	Absence of suppressor of cytokine signaling 2 turns cardiomyocytes unresponsive to LIF-dependent increases in Ca levels. <i>American Journal of Physiology - Cell Physiology</i> , <b>2017</b> , 312, C478-C485	5.4	1



20	Nerol Attenuates Ouabain-Induced Arrhythmias. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2019</b> , 2019, 5935921	2.3	1
19	The positive inotropic effect of the ethyl acetate fraction from <i>Erythrina velutina</i> leaves on the mammalian myocardium: the role of adrenergic receptors. <i>Journal of Pharmacy and Pharmacology</i> , <b>2013</b> , 65, 928-36	4.8	1
18	Probabilistic model checking analysis of palytoxin effects on cell energy reactions of the Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2013</b> , 10, 1530-41	3	1
17	Exercise Training Protects Cardiomyocytes from Deleterious Effects of Palmitate. <i>International Journal of Sports Medicine</i> , <b>2017</b> , 38, 949-953	3.6	1
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