Antonio Campos de Carvalho

List of Publications by Citations

172 papers	5,523 citations	37 h-index	68 g-index
192 ext. papers	6,175 ext. citations	4.9 avg, IF	4.86 L-index

#	Paper	IF	Citations
172	Transendocardial, autologous bone marrow cell transplantation for severe, chronic ischemic heart failure. *Circulation*, **2003**, 107, 2294-302	16.7	1079
171	Improved exercise capacity and ischemia 6 and 12 months after transendocardial injection of autologous bone marrow mononuclear cells for ischemic cardiomyopathy. *Circulation*, **2004**, 110, II213-8	16.7	258
170	Treatment with benznidazole during the chronic phase of experimental Chagas disease decreases cardiac alterations. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 1521-8	5.9	194
169	Macrophage-dependent IL-1 production induces cardiac arrhythmias in diabetic mice. *Nature Communications*, **2016**, 7, 13344	17.4	139
168	Bone marrow multipotent mesenchymal stromal cells do not reduce fibrosis or improve function in a rat model of severe chronic liver injury. *Stem Cells*, **2008**, 26, 1307-14	5.8	130
167	Gap-junctional coupling between neurons and astrocytes in primary central nervous system cultures. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 7541-6	11.5	130
166	Gating of gap junction channels. *Biophysical Journal*, **1984**, 45, 219-30	2.9	122
165	Perspectives on Trypanosoma cruzi-induced heart disease (Chagas disease). *Progress in Cardiovascular Diseases*, **2009**, 51, 524-39	8.5	115
164	Cellular mechanism of the conduction abnormalities induced by serum from anti-Ro/SSA-positive patients in rabbit hearts. *Journal of Clinical Investigation*, **1994**, 93, 718-24	15.9	108
163	Cardioprotective properties of humoral factors released from rat hearts subject to ischemic preconditioning. *Journal of Cardiovascular Pharmacology*, **2007**, 49, 214-20	3.1	81
162	Transplanted bone marrow cells repair heart tissue and reduce myocarditis in chronic chagasic mice. *American Journal of Pathology*, **2004**, 164, 441-7	5.8	79
161	Cardiac autonomic dysfunction in rats chronically treated with anabolic steroid. *European Journal of Applied Physiology*, **2006**, 96, 487-94	3.4	75
160	Transcriptional regulation of the murine Connexin40 promoter by cardiac factors Nkx2-5, GATA4 and Tbx5. *Cardiovascular Research*, **2004**, 64, 402-11	9.9	75
159	Optimized labeling of bone marrow mesenchymal cells with superparamagnetic iron oxide nanoparticles and in vivo visualization by magnetic resonance imaging. *Journal of Nanobiotechnology*, **2011**, 9, 4	9.4	71
158	Gap junction distribution is altered between cardiac myocytes infected with Trypanosoma cruzi. *Circulation Research*, **1992**, 70, 733-42	15.7	71
157	Chagas heart disease: report on recent developments. *Cardiology in Review*, **2012**, 20, 53-65	3.2	64
156	Sera from chronic chagasic patients with complex cardiac arrhythmias depress electrogenesis and conduction in isolated rabbit hearts. *Circulation*, **1997**, 96, 2031-7	16.7	60

155	Bone marrow stromal cells improve cardiac performance in healed infarcted rat hearts. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H464-70	5.2	59
154	Pharmacologic properties of P2Z/P2X7receptor characterized in murine dendritic cells: role on the induction of apoptosis. *Blood*, **2000**, 96, 996-1005	2.2	58
153	Functional gap junctions in thymic epithelial cells are formed by connexin 43. *European Journal of Immunology*, **1995**, 25, 431-7	6.1	56
152	Adipose-derived stem-cell treatment of skeletal muscle injury. *Journal of Bone and Joint Surgery - Series A*, **2012**, 94, 609-17	5.6	55
151	Chronic treatment with anabolic steroids induces ventricular repolarization disturbances: cellular, ionic and molecular mechanism. *Journal of Molecular and Cellular Cardiology*, **2010**, 49, 165-75	5.8	52
150	Reversion of gene expression alterations in hearts of mice with chronic chagasic cardiomyopathy after transplantation of bone marrow cells. *Cell Cycle*, **2011**, 10, 1448-55	4.7	51
149	Tracking stem cells with superparamagnetic iron oxide nanoparticles: perspectives and considerations. *International Journal of Nanomedicine*, **2017**, 12, 779-793	7.3	50
148	Bone marrow mononuclear cell therapy for patients with cirrhosis: a Phase 1 study. *Liver International*, **2011**, 31, 391-400	7.9	47
147	Gene expression changes associated with myocarditis and fibrosis in hearts of mice with chronic chagasic cardiomyopathy. *Journal of Infectious Diseases*, **2010**, 202, 416-26	7	47
146	Cell therapy in Chagas cardiomyopathy (Chagas arm of the multicenter randomized trial of cell therapy in cardiopathies study): a multicenter randomized trial. *Circulation*, **2012**, 125, 2454-61	16.7	47
145	Nandrolone decanoate impairs exercise-induced cardioprotection: role of antioxidant enzymes. *Journal of Steroid Biochemistry and Molecular Biology*, **2006**, 99, 223-30	5.1	47
144	Functionally active cardiac antibodies in chronic ChagasQdisease are specifically blocked by Trypanosoma cruzi antigens. *FASEB Journal*, **1998**, 12, 1551-8	0.9	47
143	Conduction defects and arrhythmias in ChagasQdisease: possible role of gap junctions and humoral mechanisms. *Journal of Cardiovascular Electrophysiology*, **1994**, 5, 686-98	2.7	47
142	Early occurrence of anti-muscarinic autoantibodies and abnormal vagal modulation in Chagas disease. *International Journal of Cardiology*, **2007**, 117, 59-63	3.2	46
141	Modulation of intercellular communication in macrophages: possible interactions between GAP junctions and P2 receptors. *Journal of Cell Science*, **2004**, 117, 4717-26	5.3	44
140	Mesenchymal bone marrow cell therapy in a mouse model of chagas disease. Where do the cells go?. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1971	4.8	41
139	Multicentre, randomized, double-blind trial of intracoronary autologous mononuclear bone marrow cell injection in non-ischaemic dilated cardiomyopathy (the dilated cardiomyopathy arm of the MiHeart study). *European Heart Journal*, **2015**, 36, 2898-904	9.5	40
138	Bone marrow cell therapy ameliorates and reverses chagasic cardiomyopathy in a mouse model. *Journal of Infectious Diseases*, **2008**, 197, 544-7	7	40

137	Voltage-dependent gap junction channels are formed by connexin32, the major gap junction protein of rat liver. *Biophysical Journal*, **1991**, 59, 920-5	2.9	40
136	Cardiac effects of oxytocin: is there a role for this peptide in cardiovascular homeostasis?. *Regulatory Peptides*, **2005**, 132, 107-12		39
135	Chemical induction of cardiac differentiation in p19 embryonal carcinoma stem cells. *Stem Cells and Development*, **2010**, 19, 403-12	4.4	35
134	Gap junction-mediated loops of neuronal-glial interactions. *Glia*, **1998**, 24, 97-107	9	35
133	Labeling stem cells with superparamagnetic iron oxide nanoparticles: analysis of the labeling efficacy by microscopy and magnetic resonance imaging. *Methods in Molecular Biology*, **2012**, 906, 239-52	1.4	34
132	Bone marrow cell transplant does not prevent or reverse murine liver cirrhosis. *Cell Transplantation* , **2008**, 17, 943-53	4	34
131	Modulation of gap junction mediated intercellular communication in TM3 Leydig cells. *Journal of Endocrinology*, **2003**, 177, 327-35	4.7	34
130	Gap junctions: a novel route for direct cell-cell communication in the immune system?. *Trends in Immunology*, **1998**, 19, 269-75		33
129	Transcriptomic alterations in Trypanosoma cruzi-infected cardiac myocytes. *Microbes and Infection*, **2009**, 11, 1140-9	9.3	31
128	Gap junction disappearance in astrocytes and leptomeningeal cells as a consequence of protozoan infection. *Brain Research*, **1998**, 790, 304-14	3.7	31
127	Multicenter randomized trial of cell therapy in cardiopathies - MiHeart Study. *Trials*, **2007**, 8, 2	2.8	31
126	Human chagasic IgGs bind to cardiac muscarinic receptors and impair L-type Ca2+ currents. *Cardiovascular Research*, **2003**, 58, 55-65	9.9	30
125	Human antibodies with muscarinic activity modulate ventricular repolarization: basis for electrical disturbance. *International Journal of Cardiology*, **2007**, 115, 373-80	3.2	29
124	Rhodnius prolixus Malpighian tubule aquaporin expression is modulated by 5-hydroxytryptamine. *Archives of Insect Biochemistry and Physiology*, **2004**, 57, 133-41	2.3	28
123	Human menstrual blood-derived mesenchymal cells as a cell source of rapid and efficient nuclear reprogramming. *Cell Transplantation*, **2012**, 21, 2215-24	4	27
122	A novel form of cellular communication among thymic epithelial cells: intercellular calcium wave propagation. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C1304-13	5.4	27
121	Sustained IGF-1 Secretion by Adipose-Derived Stem Cells Improves Infarcted Heart Function. *Cell Transplantation*, **2016**, 25, 1609-1622	4	26
120	pH dependence of transmission at electrotonic synapses of the crayfish septate axon. *Brain Research*, **1984**, 321, 279-86	3.7	26

119	Molecular imaging, biodistribution and efficacy of mesenchymal bone marrow cell therapy in a mouse model of Chagas disease. *Microbes and Infection*, **2014**, 16, 923-935	9.3	25
118	Improvement of cardiac function by placenta-derived mesenchymal stem cells does not require permanent engraftment and is independent of the insulin signaling pathway. *Stem Cell Research and Therapy*, **2014**, 5, 102	8.3	25
117	Production of transgenic goat (Capra hircus) with human Granulocyte Colony Stimulating Factor (hG-CSF) gene in Brazil. *Anais Da Academia Brasileira De Ciencias*, **2007**, 79, 585-92	1.4	25
116	DNA immunizations with M2 muscarinic and beta1 adrenergic receptor coding plasmids impair cardiac function in mice. *Journal of Molecular and Cellular Cardiology*, **2005**, 38, 703-14	5.8	25
115	G-CSF does not improve systolic function in a rat model of acute myocardial infarction. *Basic Research in Cardiology*, **2006**, 101, 494-501	11.8	25
114	Characterization of P2Z purinergic receptors on phagocytic cells of the thymic reticulum in culture. *Biochimica Et Biophysica Acta - Biomembranes*, **1996**, 1280, 217-22	3.8	25
113	Properties of chicken lens MIP channels reconstituted into planar lipid bilayers. *Journal of Membrane Biology*, **1996**, 154, 239-49	2.3	24
112	Substituted benzyl acetates: a new class of compounds that reduce gap junctional conductance by cytoplasmic acidification. *Journal of Cell Biology*, **1984**, 99, 174-9	7.3	24
111	Heart regeneration: Past, present and future. *World Journal of Cardiology*, **2010**, 2, 107-11	2.1	24
110	Bone marrow mesenchymal cells improve muscle function in a skeletal muscle re-injury model. *PLoS ONE*, **2015**, 10, e0127561	3.7	23
109	AT1 and aldosterone receptors blockade prevents the chronic effect of nandrolone on the exercise-induced cardioprotection in perfused rat heart subjected to ischemia and reperfusion. *Cardiovascular Drugs and Therapy*, **2014**, 28, 125-35	3.9	23
108	Biodistribution of bone marrow mononuclear cells in chronic chagasic cardiomyopathy after intracoronary injection. *International Journal of Cardiology*, **2011**, 149, 310-4	3.2	23
107	Sera from chronic chagasic patients depress cardiac electrogenesis and conduction. *Brazilian Journal of Medical and Biological Research*, **2000**, 33, 439-46	2.8	23
106	Induction of in vitro heart block is not restricted to affinity purified anti-52 kDa Ro/SSA antibody from mothers of children with neonatal lupus. *Lupus*, **1998**, 7, 141-7	2.6	22
105	Alterations in myocardial gene expression associated with experimental Trypanosoma cruzi infection. *Genomics*, **2008**, 91, 423-32	4.3	21
104	Mast Cell Coupling to the Kallikrein-Kinin System Fuels Intracardiac Parasitism and Worsens Heart Pathology in Experimental Chagas Disease. *Frontiers in Immunology*, **2017**, 8, 840	8.4	20
103	Granulocyte-colony stimulating factor treatment of chronic myocardial infarction. *Cardiovascular Drugs and Therapy*, **2010**, 24, 121-30	3.9	20
102	Is the mammalian porin channel, VDAC, a perfect cylinder in the high conductance state?. *FEBS Letters*, **1997**, 416, 187-9	3.8	20

101	Characterization of connexin 30.3 and 43 in thymocytes. *Immunology Letters*, **2004**, 94, 65-75	4.1	20
100	Cardiosphere-derived cells do not improve cardiac function in rats with cardiac failure. *Stem Cell Research and Therapy*, **2017**, 8, 36	8.3	19
99	Adipose Tissue-Derived Mesenchymal Stromal Cells Protect Mice Infected with Trypanosoma cruzi from Cardiac Damage through Modulation of Anti-parasite Immunity. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003945	4.8	19
98	Gap junctions and chagas disease. *Advances in Parasitology*, **2011**, 76, 63-81	3.2	19
97	A safety and feasibility study of cell therapy in dilated cardiomyopathy. *Brazilian Journal of Medical and Biological Research*, **2010**, 43, 989-95	2.8	19
96	Ultrasound imaging in an experimental model of fatty liver disease and cirrhosis in rats. *BMC Veterinary Research*, **2010**, 6, 6	2.7	19
95	Soluble factors from multipotent mesenchymal stromal cells have antinecrotic effect on cardiomyocytes in vitro and improve cardiac function in infarcted rat hearts. *Cell Transplantation*, **2012**, 21, 1011-21	4	19
94	Antibodies with beta-adrenergic activity from chronic chagasic patients modulate the QT interval and M cell action potential duration. *Europace*, **2008**, 10, 868-76	3.9	19
93	Stem-cell therapy in ST-segment elevation myocardial infarction with reduced ejection fraction: A multicenter, double-blind randomized trial. *Clinical Cardiology*, **2018**, 41, 392-399	3.3	18
92	Characterization of cardiopulmonary function and cardiac muscarinic and adrenergic receptor density adaptation in C57BL/6 mice with chronic Trypanosoma cruzi infection. *Parasitology*, **2006**, 133, 729-37	2.7	18
91	Gap junctions in hematopoietic stroma control proliferation and differentiation of blood cell precursors. *Anais Da Academia Brasileira De Ciencias*, **2004**, 76, 743-56	1.4	18
90	Sera from patients with idiopathic dilated cardiomyopathy decrease ICa in cardiomyocytes isolated from rabbits. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H1928-36	5.2	18
89	Functional and transcriptomic recovery of infarcted mouse myocardium treated with bone marrow mononuclear cells. *Stem Cell Reviews and Reports*, **2012**, 8, 251-61	6.4	17
88	Cardiac gene expression and systemic cytokine profile are complementary in a murine model of post-ischemic heart failure. *Brazilian Journal of Medical and Biological Research*, **2010**, 43, 377-89	2.8	17
87	Autoantibodies enhance agonist action and binding to cardiac muscarinic receptors in chronic ChagasQdisease. *Journal of Receptor and Signal Transduction Research*, **2008**, 28, 375-401	2.6	17
86	Time course of echocardiographic and electrocardiographic parameters in myocardial infarct in rats. *Anais Da Academia Brasileira De Ciencias*, **2007**, 79, 639-48	1.4	17
85	Connexin40 messenger ribonucleic acid is positively regulated by thyroid hormone (TH) acting in cardiac atria via the TH receptor. *Endocrinology*, **2009**, 150, 546-54	4.8	16
84	Ectopic Ossification in the Scar Tissue of Rats with Myocardial Infarction. *Cell Transplantation*, **2006**, 15, 389-397	4	15

83	Reprogramming to a pluripotent state modifies mesenchymal stem cell resistance to oxidative stress. *Journal of Cellular and Molecular Medicine*, **2014**, 18, 824-31	5.6	14
82	Cellular therapy in ChagasQdisease: potential applications in patients with chronic cardiomyopathy. *Regenerative Medicine*, **2007**, 2, 257-64	2.5	14
81	Connexin expression and gap-junction-mediated cell interactions in an in vitro model of haemopoietic stroma. *Cell and Tissue Research*, **2004**, 316, 65-76	4.2	14
80	Correlation between conformation and antibody binding: NMR structure of cross-reactive peptides from T. cruzi, human and L. braziliensis. *FEBS Letters*, **2004**, 560, 134-40	3.8	14
79	Adipose-derived stromal cell therapy improves cardiac function after coronary occlusion in rats. *Cell Transplantation*, **2012**, 21, 1985-96	4	13
78	Bone marrow mesenchymal stromal cells rescue cardiac function in streptozotocin-induced diabetic rats. *International Journal of Cardiology*, **2014**, 171, 199-208	3.2	12
77	Role of autoantibodies in the physiopathology of ChagasQdisease. *Arquivos Brasileiros De Cardiologia*, **2008**, 91, 257-62, 281-6	1.2	12
76	Multicenter double blind trial of autologous bone marrow mononuclear cell transplantation through intracoronary injection post acute myocardium infarction - MiHeart/AMI study. *Trials*, **2008**, 9, 41	2.8	11
75	Cellular cardiomyoplasty in large myocardial infarction: can the beneficial effect be enhanced by ACE-inhibitor therapy?. *European Journal of Heart Failure*, **2007**, 9, 558-67	12.3	11
74	Tissue-engineered human embryonic stem cell-containing cardiac patches: evaluating recellularization of decellularized matrix. *Journal of Tissue Engineering*, **2020**, 11, 2041731420921482	7.5	11
73	Functional genomic fabrics are remodeled in a mouse model of Chagasic cardiomyopathy and restored following cell therapy. *Microbes and Infection*, **2018**, 20, 185-195	9.3	11
72	Bone marrow cells obtained from cirrhotic rats do not improve function or reduce fibrosis in a chronic liver disease model. *Clinical Transplantation*, **2011**, 25, 54-60	3.8	10
71	Echocardiographic Measurements in a Preclinical Model of Chronic Chagasic Cardiomyopathy in Dogs: Validation and Reproducibility. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 332	5.9	9
70	Cell therapies for Chagas disease. *Cytotherapy*, **2017**, 19, 1339-1349	4.8	9
69	Modulatory effects of cAMP and PKC activation on gap junctional intercellular communication among thymic epithelial cells. *BMC Cell Biology*, **2010**, 11, 3		9
68	Gap junctions in the cardiovascular and immune systems. *Brazilian Journal of Medical and Biological Research*, **2000**, 33, 365-8	2.8	9
67	An ultrasound and histomorphological analysis of experimental liver cirrhosis in rats. *Brazilian Journal of Medical and Biological Research*, **2008**, 41, 992-9	2.8	9
66	R534C mutation in hERG causes a trafficking defect in iPSC-derived cardiomyocytes from patients with type 2 long QT syndrome. *Scientific Reports*, **2019**, 9, 19203	4.9	9

65	New Cardiomyokine Reduces Myocardial Ischemia/Reperfusion Injury by PI3K-AKT Pathway Via a Putative KDEL-Receptor Binding. *Journal of the American Heart Association*, **2021**, 10, e019685	6	9
64	Anti-adrenergic and muscarinic receptor autoantibodies in a canine model of Chagas disease and their modulation by benznidazole. *International Journal of Cardiology*, **2014**, 170, e66-7	3.2	8
63	Acute adenosine increases cardiac vagal and reduces sympathetic efferent nerve activities in rats. *Experimental Physiology*, **2012**, 97, 719-29	2.4	8
62	One and a half ventricular repair as an alternative for hypoplastic right ventricle. *Brazilian Journal of Cardiovascular Surgery*, **2010**, 25, 466-73	1.1	8
61	In vivo inhibitory effect of anti-muscarinic autoantibodies on the parasympathetic function in Chagas disease. *International Journal of Cardiology*, **2010**, 145, 339-340	3.2	8
60	Neonatal lupus syndrome: the heart as a target of the immune system. *Anais Da Academia Brasileira De Ciencias*, **2000**, 72, 83-9	1.4	8
59	Human umbilical cord blood cells in infarcted rats. *Brazilian Journal of Medical and Biological Research*, **2010**, 43, 290-6	2.8	8
58	Exogenous 10 kDa-Heat Shock Protein Preserves Mitochondrial Function After Hypoxia/Reoxygenation. *Frontiers in Pharmacology*, **2020**, 11, 545	5.6	7
57	Embryonic stem cell-derived cardiomyocytes for the treatment of doxorubicin-induced cardiomyopathy. *Stem Cell Research and Therapy*, **2018**, 9, 30	8.3	7
56	Proteomics in the World of Induced Pluripotent Stem Cells. *Cells*, **2019**, 8,	7.9	7
55	Short term regulation of cell-cell communication in TM3 Leydig cells. A perforated patch study. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2000**, 1496, 325-32	4.9	7
54	Bone-Marrow-Derived Mesenchymal Stromal Cells (MSC) from Diabetic and Nondiabetic Rats Have Similar Therapeutic Potentials. *Arquivos Brasileiros De Cardiologia*, **2017**, 109, 579-589	1.2	7
53	Integrin alpha-5 subunit is critical for the early stages of human pluripotent stem cell cardiac differentiation. *Scientific Reports*, **2019**, 9, 18077	4.9	7
52	Intrathymic gap junction-mediated communication. *Advances in Experimental Medicine and Biology*, **1994**, 355, 155-8	3.6	7
51	Generation of patient-specific induced pluripotent stem cell lines from one patient with Jervell and Lange-Nielsen syndrome, one with type 1 long QT syndrome and two healthy relatives. *Stem Cell Research*, **2018**, 31, 174-180	1.6	6
50	Aging-related compensated hypogonadism: Role of metabolomic analysis in physiopathological and therapeutic evaluation. *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 183, 39-50	5.1	6
49	Human Menstrual Blood-Derived Mesenchymal Cells as New Human Feeder Layer System for Human Embryonic Stem Cells. *Cell Medicine*, **2014**, 7, 25-35	4.9	6
48	Hair follicle-derived mesenchymal cells support undifferentiated growth of embryonic stem cells. *Experimental and Therapeutic Medicine*, **2017**, 13, 1779-1788	2.1	6

47	Cysteine proteases in differentiation of embryonic stem cells into neural cells. *Stem Cells and Development*, **2011**, 20, 1859-72	4.4	6
46	[Not Available]. *Interdisciplinary Perspectives on Infectious Diseases*, **2009**, 2009, 484358	1.7	6
45	Chagas disease: Impaired vagal modulation has been demonstrated, enhanced parasympathetic activity remains to be proved. *International Journal of Cardiology*, **2008**, 123, 330-332	3.2	6
44	Bone marrow progenitor cells do not contribute to liver fibrogenic cells. *World Journal of Hepatology*, **2012**, 4, 274-83	3.4	6
43	Autoantibodies with beta-adrenergic activity from chronic chagasic patients induce cardiac arrhythmias and early afterdepolarization in a drug-induced LQT2 rabbit hearts. *International Journal of Cardiology*, **2017**, 240, 354-359	3.2	5
42	Cardiac electrical and contractile disorders promoted by anabolic steroid overdose are associated with late autonomic imbalance and impaired Ca handling. *Steroids*, **2019**, 148, 1-10	2.8	5
41	Paradoxical effect of testosterone supplementation therapy on cardiac ischemia/reperfusion injury in aged rats. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 191, 105335	5.1	5
40	Myosin-binding Protein C Compound Heterozygous Variant Effect on the Phenotypic Expression of Hypertrophic Cardiomyopathy. *Arquivos Brasileiros De Cardiologia*, **2017**, 108, 354-360	1.2	5
39	Generation of human iPS cell line ihFib3.2 from dermal fibroblasts. *Stem Cell Research*, **2015**, 15, 445-8	1.6	5
38	Levels of circulating anti-muscarinic and anti-adrenergic antibodies and their effect on cardiac arrhythmias and dysautonomia in murine models of Chagas disease. *Parasitology*, **2014**, 141, 1769-78	2.7	5
37	Ventricular arrhythmias are related to the presence of autoantibodies with adrenergic activity in chronic chagasic patients with preserved left ventricular function. *Journal of Cardiac Failure*, **2012**, 18, 423-31	3.3	5
36	Enhanced parasympathetic activity in Chagas disease still stands in need of proof. *International Journal of Cardiology*, **2009**, 135, 406-8	3.2	5
35	99m-Technetium binding site in bone marrow mononuclear cells. *Stem Cell Research and Therapy*, **2015**, 6, 115	8.3	4
34	Cell-based therapy in Chagas disease. *Advances in Parasitology*, **2011**, 75, 49-63	3.2	4
33	Global update: Brazil. *Regenerative Medicine*, **2012**, 7, 144-7	2.5	4
32	Different Signatures of High Cardiorespiratory Capacity Revealed With Metabolomic Profiling in Elite Athletes. *International Journal of Sports Physiology and Performance*, **2020**, 1-12	3.5	4
31	Cell therapy in dilated cardiomyopathy: from animal models to clinical trials. *Brazilian Journal of Medical and Biological Research*, **2011**, 44, 388-393	2.8	4
30	Pharmacologic properties of P2Z/P2X7receptor characterized in murine dendritic cells: role on the induction of apoptosis. *Blood*, **2000**, 96, 996-1005	2.2	4

29	PNAUM: integrated approach to Pharmaceutical Services, Science, Technology and Innovation. *Revista De Saude Publica*, **2016**, 50, 3s	2.4	4
28	Stem Cell-Based Therapies in Chagasic Cardiomyopathy. *BioMed Research International*, **2015**, 2015, 436314	3	3
27	Stem cell therapies in cardiac diseases: Current status and future possibilities. *World Journal of Stem Cells*, **2021**, 13, 1231-1247	5.6	3
26	Therapy with Cardiomyocytes Derived from Pluripotent Cells in Chronic Chagasic Cardiomyopathy. *Cells*, **2020**, 9,	7.9	2
25	Bone marrow cell migration to the heart in a chimeric mouse model of acute chagasic disease. *Memorias Do Instituto Oswaldo Cruz*, **2017**, 112, 551-560	2.6	2
24	Metabolomic profiling suggests systemic signatures of premature aging induced by Hutchinson-Gilford progeria syndrome. *Metabolomics*, **2019**, 15, 100	4.7	2
23	The Einstein-Brazil Fogarty: A decade of synergy. *Brazilian Journal of Microbiology*, **2015**, 46, 945-55	2.2	2
22	Expression of ganglioside 9-O acetyl GD3 in undifferentiated embryonic stem cells. *Cell Biology International*, **2015**, 39, 121-7	4.5	2
21	Voltage-dependent calcium and chloride currents in S17 bone marrow stromal cell line. *Journal of Cellular Physiology*, **2010**, 223, 244-51	7	2
20	Mechanical and energetic effects of chronic chagasic patientsQantibodies on rat myocardium. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 287, H1239-45	5.2	2
19	Introduction. *Brain Research Reviews*, **2000**, 32, 1-2		2
18	BK Channel Activation Attenuates the Pathophysiological Progression of Monocrotaline-Induced Pulmonary Arterial Hypertension in Wistar Rats. *Cardiovascular Drugs and Therapy*, **2021**, 35, 719-732	3.9	2
17	Expression of potassium channels is relevant for cell survival and migration in a murine bone marrow stromal cell line. *Journal of Cellular Physiology*, **2019**, 234, 18086-18097	7	1
16	Acute Myocardial Infarction Reduces Respiration in Rat Cardiac Fibers, despite Adipose Tissue Mesenchymal Stromal Cell Transplant. *Stem Cells International*, **2020**, 2020, 4327965	5	1
15	Cardiac Stem Cells **2013**, 141-155		1
14	Transjunctional Voltage Dependence Of Gap Junction Channels **2018**, 97-116		1
13	Turning scar into muscle. *World Journal of Cardiology*, **2012**, 4, 267-70	2.1	1
12	Optimizing the Decellularized Porcine Liver Scaffold Protocol. *Cells Tissues Organs*, **2020**, 1-10	2.1	1

11	Inclusivity and diversity: Integrating international perspectives on stem cell challenges and potential. *Stem Cell Reports*, **2021**, 16, 1847-1852	8	1
10	Cell-Based Therapies for Heart Failure. *Frontiers in Pharmacology*, **2021**, 12, 641116	5.6	0
9	p.Glu903Gln Is a Pathogenic Variant Associated With Hypertrophic Cardiomyopathy. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003476	5.2	0
8	Functional properties of a Brazilian derived mouse embryonic stem cell line. *Anais Da Academia Brasileira De Ciencias*, **2015**, 87, 275-88	1.4	
7	David Spray and science in Brazil. *Brain Research Reviews*, **2000**, 32, 9-10		
6	Chapter 28: Gap Junctions Are Specifically Disrupted by Trypanosoma cruzi Infection. *Current Topics in Membranes*, **1999**, 625-634	2.2	
5	Ryanodine does not affect the potassium channel from the sarcoplasmic reticulum of skeletal muscle. *Biochemical and Biophysical Research Communications*, **1987**, 148, 1137-43	3.4	
4	Empagliflozin Reduces Arrhythmic Events and Improves Ca2+ Transient in Hypoxia-induced Injury Rat Cardiomyocytes. *FASEB Journal*, **2020**, 34, 1-1	0.9	
3	Bone marrow-derived cell therapy in chagasic cardiac disease: a review of pre-clinical and clinical results. *Cardiovascular Diagnosis and Therapy*, **2012**, 2, 213-9	2.6	
2	The evolution of Brazilian Health Sciences and the present situation. *The Lancet Regional Health Americas*, **2021**, 3, 100044		
1	Covid-19 pandemic, R&D, vaccines, and the urgent need of UBUNTU practice. *The Lancet Regional Health Americas*, **2021**, 1, 100020		