

Virginia S. Lemos

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

3,614
citations

28
h-index

57
g-index

111
ext. papers

4,030
ext. citations

4.8
avg, IF

4.64
L-index

#	Paper	IF	Citations
110	Angiotensin-(1-7) is an endogenous ligand for the G protein-coupled receptor Mas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 8258-63	11.5	1368
109	Transient receptor potential channel 6-mediated, localized cytosolic [Na ⁺] transients drive Na ⁺ /Ca ²⁺ exchanger-mediated Ca ²⁺ entry in purinergically stimulated aorta smooth muscle cells. <i>Circulation Research</i> , 2007 , 101, 1030-8	15.7	116
108	Butyrate impairs atherogenesis by reducing plaque inflammation and vulnerability and decreasing NFB activation. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014 , 24, 606-13	4.5	106
107	The endothelium-dependent vasodilator effect of the nonpeptide Ang(1-7) mimic AVE 0991 is abolished in the aorta of mas-knockout mice. <i>Journal of Cardiovascular Pharmacology</i> , 2005 , 46, 274-9	3.1	103
106	Evidence for a new angiotensin-(1-7) receptor subtype in the aorta of Sprague-Dawley rats. <i>Peptides</i> , 2007 , 28, 702-7	3.8	85
105	Neuronal nitric oxide synthase-derived hydrogen peroxide is a major endothelium-dependent relaxing factor. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H2503-11	5.2	76
104	Na ⁺ entry via TRPC6 causes Ca ²⁺ entry via NCX reversal in ATP stimulated smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 352, 130-4	3.4	69
103	Characterization of a new selective antagonist for angiotensin-(1-7), D-pro7-angiotensin-(1-7). <i>Hypertension</i> , 2003 , 41, 737-43	8.5	68
102	Neuronal Nitric Oxide Synthase in Vascular Physiology and Diseases. <i>Frontiers in Physiology</i> , 2016 , 7, 2064.6		63
101	Relative contribution of eNOS and nNOS to endothelium-dependent vasodilation in the mouse aorta. <i>European Journal of Pharmacology</i> , 2010 , 643, 260-6	5.3	55
100	Oral butyrate reduces oxidative stress in atherosclerotic lesion sites by a mechanism involving NADPH oxidase down-regulation in endothelial cells. <i>Journal of Nutritional Biochemistry</i> , 2016 , 34, 99-105	6.3	51
99	Decreased production of neuronal NOS-derived hydrogen peroxide contributes to endothelial dysfunction in atherosclerosis. <i>British Journal of Pharmacology</i> , 2011 , 164, 1738-48	8.6	47
98	Phosphoinositide-3 kinase gamma activity contributes to sepsis and organ damage by altering neutrophil recruitment. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 762-73	10.2	47
97	Cardiac oxidative stress is involved in heart failure induced by thiamine deprivation in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H2039-45	5.2	45
96	Nitric oxide-dependent vasodilatation by ethanolic extract of <i>Hancornia speciosa</i> via phosphatidyl-inositol 3-kinase. <i>Journal of Ethnopharmacology</i> , 2007 , 109, 161-4	5	44
95	<i>Hancornia speciosa</i> Gomes induces hypotensive effect through inhibition of ACE and increase on NO. <i>Journal of Ethnopharmacology</i> , 2011 , 137, 709-13	5	43
94	Physicochemical study of floranol, its copper(II) and iron(III) complexes, and their inhibitory effect on LDL oxidation. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 935-43	4.2	42

93	Endothelium-dependent vasodilation induced by <i>Hancornia speciosa</i> in rat superior mesenteric artery. <i>Phytomedicine</i> , 2007 , 14, 473-8	6.5	40
92	<i>Hancornia speciosa</i> Gomes (Apocynaceae) as a potential anti-diabetic drug. <i>Journal of Ethnopharmacology</i> , 2015 , 161, 30-5	5	38
91	Vascular effects of 7-epiclusianone, a prenylated benzophenone from <i>Rheedia gardneriana</i> , on the rat aorta. <i>Phytomedicine</i> , 2006 , 13, 442-5	6.5	36
90	Dioclein, a new nitric oxide- and endothelium-dependent vasodilator flavonoid. <i>European Journal of Pharmacology</i> , 1999 , 386, 41-6	5.3	35
89	Complexation with beta-cyclodextrin confers oral activity on the flavonoid dioclein. <i>International Journal of Pharmaceutics</i> , 2009 , 367, 133-9	6.5	33
88	Endothelium dysfunction in LDL receptor knockout mice: a role for H ₂ O ₂ . <i>British Journal of Pharmacology</i> , 2003 , 138, 1215-20	8.6	33
87	Exercise capacity is related to calcium transients in ventricular cardiomyocytes. <i>Journal of Applied Physiology</i> , 2009 , 107, 593-8	3.7	32
86	Phosphatidylinositol 3-kinase- α 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> , 2010 , 161, 1458-71	8.6	31
85	Swimming training improves the vasodilator effect of angiotensin-(1-7) in the aorta of spontaneously hypertensive rat. <i>Journal of Applied Physiology</i> , 2011 , 111, 1272-7	3.7	31
84	Angiotensin-(1-7) is involved in the endothelium-dependent modulation of phenylephrine-induced contraction in the aorta of mRen-2 transgenic rats. <i>British Journal of Pharmacology</i> , 2002 , 135, 1743-8	8.6	31
83	The flavonoid dioclein is a selective inhibitor of cyclic nucleotide phosphodiesterase type 1 (PDE1) and a cGMP-dependent protein kinase (PKG) vasorelaxant in human vascular tissue. <i>European Journal of Pharmacology</i> , 2009 , 620, 78-83	5.3	29
82	Vascular effects of flavonoids. <i>Current Medicinal Chemistry</i> , 2016 , 23, 87-102	4.3	28
81	Pharmacological evidence for the activation of potassium channels as the mechanism involved in the hypotensive and vasorelaxant effect of dioclein in rat small resistance arteries. <i>British Journal of Pharmacology</i> , 2001 , 133, 849-58	8.6	28
80	Increased vascular contractility in isolated vessels from cigarette smoking rats is mediated by basal endothelin release. <i>Vascular Pharmacology</i> , 2007 , 46, 35-42	5.9	25
79	Curine, a bisbenzylisoquinoline alkaloid, blocks L-type Ca ²⁺ channels and decreases intracellular Ca ²⁺ transients in A7r5 cells. <i>European Journal of Pharmacology</i> , 2011 , 669, 100-7	5.3	24
78	Obesity, Inflammation, and Exercise Training: Relative Contribution of iNOS and eNOS in the Modulation of Vascular Function in the Mouse Aorta. <i>Frontiers in Physiology</i> , 2016 , 7, 386	4.6	24
77	Endothelial dysfunction in DOCA-salt-hypertensive mice: role of neuronal nitric oxide synthase-derived hydrogen peroxide. <i>Clinical Science</i> , 2016 , 130, 895-906	6.5	23
76	Mechanism of endothelium-dependent vasodilation induced by a proanthocyanidin-rich fraction from <i>Ouratea semiserrata</i> . <i>Planta Medica</i> , 2002 , 68, 412-5	3.1	23

75	GPBR agonist dilates mesenteric arteries via PI3K-Akt-eNOS and potassium channels in both sexes. <i>Life Sciences</i> , 2017 , 183, 21-27	6.8	22
74	Potent antihypertensive effect of <i>Hancornia speciosa</i> leaves extract. <i>Phytomedicine</i> , 2016 , 23, 214-9	6.5	21
73	Effects of chronic swimming training and oestrogen therapy on coronary vascular reactivity and expression of antioxidant enzymes in ovariectomized rats. <i>PLoS ONE</i> , 2014 , 8, e64806	3.7	21
72	Paraquat poisoning induces TNF- α -dependent iNOS/NO mediated hyporesponsiveness of the aorta to vasoconstrictors in rats. <i>PLoS ONE</i> , 2013 , 8, e73562	3.7	21
71	Mast cell tryptase induces eosinophil recruitment in the pleural cavity of mice via proteinase-activated receptor 2. <i>Inflammation</i> , 2013 , 36, 1260-7	5.1	20
70	Mechanism of the antihypertensive and vasorelaxant effects of the flavonoid tiliroside in resistance arteries. <i>Planta Medica</i> , 2013 , 79, 1003-8	3.1	20
69	Pre- and post-synaptic muscarinic receptors in thin slices of rat adrenal gland. <i>European Journal of Neuroscience</i> , 1998 , 10, 3535-45	3.5	20
68	Effects of the Brazilian phytopharmaceutical product Ierobina on lipid metabolism and intestinal tonus. <i>Journal of Ethnopharmacology</i> , 2005 , 102, 137-42	5	19
67	Sodium butyrate modulates adipocyte expansion, adipogenesis, and insulin receptor signaling by upregulation of PPAR- α in obese Apo E knockout mice. <i>Nutrition</i> , 2018 , 47, 75-82	4.8	18
66	Swim training attenuates oxidative damage and promotes neuroprotection in cerebral cortical slices submitted to oxygen glucose deprivation. <i>Journal of Neurochemistry</i> , 2012 , 123, 317-24	6	16
65	ADP is a vasodilator component from <i>Lasiadora</i> sp. mygalomorph spider venom. <i>Toxicon</i> , 2013 , 72, 102-12	2.12	15
64	Pomegranate Extract Enhances Endothelium-Dependent Coronary Relaxation in Isolated Perfused Hearts from Spontaneously Hypertensive Ovariectomized Rats. <i>Frontiers in Pharmacology</i> , 2016 , 7, 522	5.6	15
63	Mechanisms involved in the vasodilator effect of curine in rat resistance arteries. <i>Planta Medica</i> , 2002 , 68, 1049-51	3.1	15
62	Mechanisms of vascular dysfunction in acute phase of <i>Trypanosoma cruzi</i> infection in mice. <i>Vascular Pharmacology</i> , 2016 , 82, 73-81	5.9	14
61	(S)-reticuline induces vasorelaxation through the blockade of L-type Ca(2+) channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009 , 379, 115-25	3.4	14
60	Inhibition of α -glucosidase and hypoglycemic effect of stilbenes from the Amazonian plant <i>Deguelia rufescens</i> var. <i>urucu</i> (Ducke) A. M. G. Azevedo (Leguminosae). <i>Planta Medica</i> , 2012 , 78, 36-8	3.1	13
59	Triterpenes and phenolic compounds isolated from the aerial parts of <i>Herissantia tiubae</i> and evaluation of 5,4',-dihydroxy-3,6,7,8,3'-pentamethoxyflavone as a modulator of bacterial drug resistance. <i>Pharmaceutical Biology</i> , 2009 , 47, 279-284	3.8	13
58	The flavonoid dioclein reduces the production of pro-inflammatory mediators in vitro by inhibiting PDE4 activity and scavenging reactive oxygen species. <i>European Journal of Pharmacology</i> , 2010 , 633, 85-92	5.3	12

57	Neuropeptide Y2-type receptor-mediated activation of large-conductance Ca(2+)-sensitive K+ channels in a human neuroblastoma cell line. <i>Pflugers Archiv European Journal of Physiology</i> , 1995 , 430, 534-40	4.6	12
56	Thiamine deficiency leads to reduced nitric oxide production and vascular dysfunction in rats. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014 , 24, 183-8	4.5	11
55	Exercise modulates the aortic renin-angiotensin system independently of estrogen therapy in ovariectomized hypertensive rats. <i>Peptides</i> , 2017 , 87, 41-49	3.8	11
54	Mechanisms involved in the vasodilator effect of the flavanol floranol in rat small mesenteric arteries. <i>Planta Medica</i> , 2004 , 70, 465-7	3.1	11
53	The novel organic mononitrate NDHP attenuates hypertension and endothelial dysfunction in hypertensive rats. <i>Redox Biology</i> , 2018 , 15, 182-191	11.3	11
52	The synthetic peptide PnPP-19 induces peripheral antinociception via activation of NO/cGMP/K pathway: Role of eNOS and nNOS. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 64, 31-38	5	10
51	Mas receptor overexpression increased Ang-(1-7) relaxation response in renovascular hypertensive rat carotid. <i>Peptides</i> , 2015 , 71, 250-8	3.8	10
50	Implant-induced intraperitoneal inflammatory angiogenesis is attenuated by fluvastatin. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 262-8	3	10
49	Prevention of changes in airway function facilitates <i>Strongyloides venezuelensis</i> infection in rats. <i>Microbes and Infection</i> , 2007 , 9, 813-20	9.3	10
48	Pharmacological studies on <i>Aristolochia papillaris</i> Mast. (Aristolochiaceae). <i>Journal of Ethnopharmacology</i> , 1993 , 40, 141-5	5	10
47	Role of the α 7 Nicotinic Acetylcholine Receptor in the Pathophysiology of Atherosclerosis. <i>Frontiers in Physiology</i> , 2020 , 11, 621769	4.6	9
46	The new nitric oxide donor cyclohexane nitrate induces vasorelaxation, hypotension, and antihypertensive effects via NO/cGMP/PKG pathway. <i>Frontiers in Physiology</i> , 2015 , 6, 243	4.6	9
45	Increased expression of endothelial iNOS accounts for hyporesponsiveness of pulmonary artery to vasoconstrictors after paraquat poisoning. <i>Toxicology in Vitro</i> , 2010 , 24, 1019-25	3.6	9
44	Mechanism of the vasodilator effect of 12-O-methylcurine in rat aortic rings. <i>Journal of Pharmacy and Pharmacology</i> , 2002 , 54, 853-8	4.8	9
43	Increase on the coronary flow induced by dioclein in isolated rat heart. <i>Life Sciences</i> , 2002 , 70, 1121-8	6.8	9
42	Vascular function in asthmatic children and adolescents. <i>Respiratory Research</i> , 2017 , 18, 17	7.3	8
41	Neuronal nitric oxide synthase-derived hydrogen peroxide effect in grafts used in human coronary bypass surgery. <i>Clinical Science</i> , 2017 , 131, 1015-1026	6.5	8
40	Activation of eNOS by D-pinitol Induces an Endothelium-Dependent Vasodilatation in Mouse Mesenteric Artery. <i>Frontiers in Pharmacology</i> , 2018 , 9, 528	5.6	8

39	Mechanism of the vasodilator effect of mono-oxygenated xanthenes: a structure-activity relationship study. <i>Planta Medica</i> , 2013 , 79, 1495-500	3.1	8
38	Vasodilator and antioxidant effect of xanthenes isolated from Brazilian medicinal plants. <i>Planta Medica</i> , 2009 , 75, 145-8	3.1	8
37	Mechanism of the vasodilator effect of Euxanthone in rat small mesenteric arteries. <i>Phytomedicine</i> , 2010 , 17, 690-2	6.5	8
36	Inhibition of $[Ca^{2+}]_i$ transients in rat adrenal chromaffin cells by neuropeptide Y: role for a cGMP-dependent protein kinase-activated K^+ conductance. <i>European Journal of Neuroscience</i> , 1997 , 9, 1144-52	3.5	8
35	Antiarrhythmogenic and antioxidant effect of the flavonoid dioclein in a model of cardiac ischemia/reperfusion. <i>Planta Medica</i> , 2006 , 72, 300-3	3.1	8
34	Sex difference in GPER expression does not change vascular relaxation or reactive oxygen species generation in rat mesenteric resistance arteries. <i>Life Sciences</i> , 2018 , 211, 198-205	6.8	8
33	Vascular Kinin B and B Receptors Determine Endothelial Dysfunction through Neuronal Nitric Oxide Synthase. <i>Frontiers in Physiology</i> , 2017 , 8, 228	4.6	7
32	Structure-related blockage of calcium channels by vasodilator alkaloids in mice mesenteric artery. <i>Vascular Pharmacology</i> , 2016 , 82, 60-5	5.9	7
31	Evidence for the involvement of opioid and cannabinoid systems in the peripheral antinociception mediated by resveratrol. <i>Toxicology and Applied Pharmacology</i> , 2019 , 369, 30-38	4.6	7
30	Proteinase-activated receptor 2 blockade impairs CCL11- or allergen-induced eosinophil recruitment in experimental pleurisy. <i>European Journal of Pharmacology</i> , 2014 , 740, 627-33	5.3	6
29	Activation of nitric oxide modulator effect by isometric contraction in rat resistance arteries. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 47, 51-4	3.1	6
28	Total assignments of 1H and ^{13}C NMR spectra of a new prenylated flavanone from <i>Dioclea grandiflora</i> . <i>Magnetic Resonance in Chemistry</i> , 2002 , 40, 793-794	2.1	6
27	Gluten exacerbates atherosclerotic plaque formation in ApoE mice with diet-induced obesity. <i>Nutrition</i> , 2020 , 75-76, 110658	4.8	6
26	Serca2a and Na^+/Ca^{2+} exchanger are involved in left ventricular function following cardiac remodelling of female rats treated with anabolic androgenic steroid. <i>Toxicology and Applied Pharmacology</i> , 2016 , 301, 22-30	4.6	6
25	3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor (fluvastatin) decreases inflammatory angiogenesis in mice. <i>Apmis</i> , 2013 , 121, 422-30	3.4	5
24	Short-term in vivo inhibition of nitric oxide synthase with L-NAME influences the contractile function of single left ventricular myocytes in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2011 , 89, 305-10	2.4	5
23	Neuropeptide Y modulates ATP-induced increases in internal calcium via the adenylate cyclase/protein kinase A system in a human neuroblastoma cell line. <i>Biochemical Journal</i> , 1997 , 321 (Pt 2), 439-44	3.8	5
22	Structure and vasorelaxant activity of floranol, a flavonoid isolated from the roots of <i>Dioclea grandiflora</i> . <i>Chemistry and Biodiversity</i> , 2006 , 3, 635-45	2.5	5

21	Mechanism involved in the spasmolytic effect of a mixture of two triterpenes, cycloartenol and cycloeucaenol, isolated from <i>Herissanthia tiubae</i> in the guinea-pig ileum. <i>Planta Medica</i> , 2005 , 71, 1025-9	3.1	5
20	The Cyclitol L-(+)-Bornesitol as an Active Marker for the Cardiovascular Activity of the Brazilian Medicinal Plant <i>Hancornia speciosa</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2019 , 42, 2076-2082	2.3	5
19	L-NAME treatment enhances exercise-induced content of myocardial heat shock protein 72 (Hsp72) in rats. <i>Cellular Physiology and Biochemistry</i> , 2011 , 27, 479-86	3.9	4
18	Neuronal nitric oxide synthase contributes to the normalization of blood pressure in medicated hypertensive patients. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 80, 98-107	5	4
17	Dihydrogoniothalamin, an Endothelium and NO-Dependent Vasodilator Drug Isolated from <i>Aniba panurensis</i> . <i>Planta Medica</i> , 2015 , 81, 1375-81	3.1	3
16	Endothelial nitric oxide-dependent vasorelaxant effect of isotirumalin, a dihydroflavonol from <i>Derris urucu</i> , on the rat aorta. <i>Biological and Pharmaceutical Bulletin</i> , 2011 , 34, 1499-500	2.3	3
15	Proteolytic activity of saliva associated with PAR-2 activation and vasodilation. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2021 , 27, e20200098	2.2	3
14	Activation of Ca _v 1.2 and BK is involved in the downregulation of caffeine-induced contraction in mice mesenteric arteries. <i>Life Sciences</i> , 2019 , 231, 116555	6.8	2
13	Decreased expression of neuronal nitric oxide synthase contributes to the endothelial dysfunction associated with cigarette smoking in human. <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 98, 20-28	5	2
12	A high-refined carbohydrate diet facilitates compulsive-like behavior in mice through the nitric oxide pathway. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 80, 61-69	5	2
11	Inhibitory effect of the norlignan 2-(2-Hydroxy-4-(6-Dimethoxyphenyl)-5-[(E)-propenyl]benzofuran from <i>Krameria tomentosa</i> on acetylcholine-induced relaxation of the rat aorta. <i>Planta Medica</i> , 2006 , 72, 78-81	3.1	2
10	Effects of progesterone treatment on endothelium-dependent coronary relaxation in ovariectomized rats. <i>Life Sciences</i> , 2020 , 247, 117391	6.8	1
9	Fullerene-Derivatives as Therapeutic Agents in Respiratory System and Neurodegenerative Disorders. <i>Nanomedicine and Nanotoxicology</i> , 2016 , 71-84	0.3	1
8	Sex Differences in the Vasodilation Mediated by G Protein-Coupled Estrogen Receptor (GPER) in Hypertensive Rats. <i>Frontiers in Physiology</i> , 2021 , 12, 659291	4.6	1
7	The synthetic peptide PnPP-19 potentiates erectile function via nNOS and iNOS. <i>Nitric Oxide - Biology and Chemistry</i> , 2021 , 113-114, 23-30	5	1
6	Sex differences in progesterone-induced relaxation in the coronary bed from normotensive rats. <i>Journal of Molecular Endocrinology</i> , 2020 , 64, 91-102	4.5	0
5	Experimental Periodontal Disease Triggers Coronary Endothelial Dysfunction in Middle-Aged Rats: Preventive Effect of a Prebiotic β -Glucan. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 1398-1406	6.4	0
4	TNF- α /CXCL-1 and IL-1 β as activators of the opioid system involved in peripheral analgesic control in mice. <i>European Journal of Pharmacology</i> , 2021 , 896, 173900	5.3	0

- 3 Blockade of protease-activated receptor 2 attenuates allergen-mediated acute lung inflammation and leukocyte recruitment in mice. *Journal of Biosciences*, **2022**, 47, 1 2.3 0
- 2 Exercise training improves heat balance during exercise depending on tail vasodilatation mediated by modification in vascular reactivity. *FASEB Journal*, **2009**, 23, 955.34 0.9
- 1 NÍVEL NITRICO E DINÂMICA DE CA²⁺ EM CARDIOMÍOCITOS: INFLUÊNCIA DA CAPACIDADE DE EXERCÍCIO. *Revista Brasileira De Medicina Do Esporte*, **2016**, 22, 31-34 0.5