

VirgÃ- nia S. Lemos

List of Publications by Year in descending order

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110
papers

4,393
citations

136950

32
h-index

114465

63
g-index

111
all docs

111
docs citations

111
times ranked

5478
citing authors

#	ARTICLE	IF	CITATIONS
1	Angiotensin-(1-7) is an endogenous ligand for the G protein-coupled receptor Mas. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8258-8263.	7.1	1,555
2	Butyrate impairs atherogenesis by reducing plaque inflammation and vulnerability and decreasing NF- κ B activation. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 606-613.	2.6	191
3	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. Circulation Research, 2007, 101, 1030-1038.	4.5	134
4	The Endothelium-Dependent Vasodilator Effect of the Nonpeptide Ang(1-7) Mimic AVE 0991 Is Abolished in the Aorta of Mas-Knockout Mice. Journal of Cardiovascular Pharmacology, 2005, 46, 274-279.	1.9	113
5	Neuronal Nitric Oxide Synthase in Vascular Physiology and Diseases. Frontiers in Physiology, 2016, 7, 206.	2.8	101
6	Evidence for a new angiotensin-(1-7) receptor subtype in the aorta of Sprague-Dawley rats. Peptides, 2007, 28, 702-707.	2.4	92
7	Oral butyrate reduces oxidative stress in atherosclerotic lesion sites by a mechanism involving NADPH oxidase down-regulation in endothelial cells. Journal of Nutritional Biochemistry, 2016, 34, 99-105.	4.2	85
8	Neuronal nitric oxide synthase-derived hydrogen peroxide is a major endothelium-dependent relaxing factor. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2503-H2511.	3.2	84
9	Na ⁺ entry via TRPC6 causes Ca ²⁺ entry via NCX reversal in ATP stimulated smooth muscle cells. Biochemical and Biophysical Research Communications, 2007, 352, 130-134.	2.1	77
10	Characterization of a New Selective Antagonist for Angiotensin-(1-7), d-Pro 7 -Angiotensin-(1-7). Hypertension, 2003, 41, 737-743.	2.7	74
11	Relative contribution of eNOS and nNOS to endothelium-dependent vasodilation in the mouse aorta. European Journal of Pharmacology, 2010, 643, 260-266.	3.5	66
12	Hancornia speciosa Gomes (Apocynaceae) as a potential anti-diabetic drug. Journal of Ethnopharmacology, 2015, 161, 30-35.	4.1	58
13	Decreased production of neuronal NOS-derived hydrogen peroxide contributes to endothelial dysfunction in atherosclerosis. British Journal of Pharmacology, 2011, 164, 1738-1748.	5.4	57
14	Phosphoinositide-3 Kinase \hat{I}^3 Activity Contributes to Sepsis and Organ Damage by Altering Neutrophil Recruitment. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 762-773.	5.6	55
15	Hancornia speciosa Gomes induces hypotensive effect through inhibition of ACE and increase on NO. Journal of Ethnopharmacology, 2011, 137, 709-713.	4.1	55
16	Cardiac oxidative stress is involved in heart failure induced by thiamine deprivation in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H2039-H2045.	3.2	53
17	Nitric oxide-dependent vasodilatation by ethanolic extract of Hancornia speciosa via phosphatidylinositol 3-kinase. Journal of Ethnopharmacology, 2007, 109, 161-164.	4.1	51
18	Endothelium-dependent vasodilation induced by Hancornia speciosa in rat superior mesenteric artery. Phytomedicine, 2007, 14, 473-478.	5.3	47

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19	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, 935-943.	3.5	45
20	Phosphatidylinositol 3-kinase \uparrow up-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, 1458-1471.	5.4	41
21	Dioclein, a new nitric oxide- and endothelium-dependent vasodilator flavonoid. <i>European Journal of Pharmacology</i> , 1999, 386, 41-46.	3.5	40
22	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, 1272-1277.	2.5	40
23	Sodium butyrate modulates adipocyte expansion, adipogenesis, and insulin receptor signaling by upregulation of PPAR- γ in obese Apo E knockout mice. <i>Nutrition</i> , 2018, 47, 75-82.	2.4	40
24	Vascular effects of 7-epiclusianone, a prenylated benzophenone from <i>Rheedia gardneriana</i> , on the rat aorta. <i>Phytomedicine</i> , 2006, 13, 442-445.	5.3	39
25	Endothelium dysfunction in LDL receptor knockout mice: a role for H $_2$ O $_2$. <i>British Journal of Pharmacology</i> , 2003, 138, 1215-1220.	5.4	37
26	Complexation with β -cyclodextrin confers oral activity on the flavonoid dioclein. <i>International Journal of Pharmaceutics</i> , 2009, 367, 133-139.	5.2	36
27	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.	2.8	36
28	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, 1743-1748.	5.4	35
29	Exercise capacity is related to calcium transients in ventricular cardiomyocytes. <i>Journal of Applied Physiology</i> , 2009, 107, 593-598.	2.5	35
30	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, 849-858.	5.4	34
31	Vascular effects of flavonoids. <i>Current Medicinal Chemistry</i> , 2015, 23, 87-102.	2.4	34
32	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.	3.5	32
33	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, 100-107.	3.5	30
34	Endothelial dysfunction in DOCA-salt-hypertensive mice: role of neuronal nitric oxide synthase-derived hydrogen peroxide. <i>Clinical Science</i> , 2016, 130, 895-906.	4.3	30
35	Increased vascular contractility in isolated vessels from cigarette smoking rats is mediated by basal endothelin release. <i>Vascular Pharmacology</i> , 2007, 46, 35-42.	2.1	28
36	Potent antihypertensive effect of <i>Hancornia speciosa</i> leaves extract. <i>Phytomedicine</i> , 2016, 23, 214-219.	5.3	28

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37	GPER agonist dilates mesenteric arteries via PI3K-Akt-eNOS and potassium channels in both sexes. <i>Life Sciences</i> , 2017, 183, 21-27.	4.3	28
38	Mechanism of Endothelium-Dependent Vasodilation Induced by a Proanthocyanidin-Rich Fraction from <i>Ouratea semiserrata</i> . <i>Planta Medica</i> , 2002, 68, 412-415.	1.3	26
39	Paraquat Poisoning Induces TNF- α -Dependent iNOS/NO Mediated Hyporesponsiveness of the Aorta to Vasoconstrictors in Rats. <i>PLoS ONE</i> , 2013, 8, e73562.	2.5	26
40	Mechanism of the Antihypertensive and Vasorelaxant Effects of the Flavonoid Tiliroside in Resistance Arteries. <i>Planta Medica</i> , 2013, 79, 1003-1008.	1.3	24
41	Effects of Chronic Swimming Training and Oestrogen Therapy on Coronary Vascular Reactivity and Expression of Antioxidant Enzymes in Ovariectomized Rats. <i>PLoS ONE</i> , 2013, 8, e64806.	2.5	24
42	Swim training attenuates oxidative damage and promotes neuroprotection in cerebral cortical slices submitted to oxygen glucose deprivation. <i>Journal of Neurochemistry</i> , 2012, 123, 317-324.	3.9	23
43	Role of the $\alpha 7$ Nicotinic Acetylcholine Receptor in the Pathophysiology of Atherosclerosis. <i>Frontiers in Physiology</i> , 2020, 11, 621769.	2.8	22
44	European Neuroscience Association Pre- and post-synaptic muscarinic receptors in thin slices of rat adrenal gland. <i>European Journal of Neuroscience</i> , 1998, 10, 3535-3545.	2.6	21
45	Effects of the Brazilian phytopharmaceutical product Ierobina [®] on lipid metabolism and intestinal tonus. <i>Journal of Ethnopharmacology</i> , 2005, 102, 137-142.	4.1	21
46	Mast Cell Tryptase Induces Eosinophil Recruitment in the Pleural Cavity of Mice via Proteinase-Activated Receptor 2. <i>Inflammation</i> , 2013, 36, 1260-1267.	3.8	21
47	Mechanisms of vascular dysfunction in acute phase of <i>Trypanosoma cruzi</i> infection in mice. <i>Vascular Pharmacology</i> , 2016, 82, 73-81.	2.1	20
48	Vascular function in asthmatic children and adolescents. <i>Respiratory Research</i> , 2017, 18, 17.	3.6	20
49	Inhibition of α -Glucosidase and Hypoglycemic Effect of Stilbenes from the Amazonian Plant <i>Deguelia rufescens</i> var. <i>urucu</i> (Ducke) A. & S.M. & S.C. Azevedo (Leguminosae). <i>Planta Medica</i> , 2012, 78, 36-38.	1.3	18
50	ADP is a vasodilator component from <i>Lasiadora</i> sp. mygalomorph spider venom. <i>Toxicon</i> , 2013, 72, 102-112.	1.6	18
51	Pomegranate Extract Enhances Endothelium-Dependent Coronary Relaxation in Isolated Perfused Hearts from Spontaneously Hypertensive Ovariectomized Rats. <i>Frontiers in Pharmacology</i> , 2016, 7, 522.	3.5	18
52	Mechanisms Involved in the Vasodilator Effect of Urine in Rat Resistance Arteries. <i>Planta Medica</i> , 2002, 68, 1049-1051.	1.3	17
53	(S)-reticuline induces vasorelaxation through the blockade of L-type Ca ²⁺ channels. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 379, 115-125.	3.0	17
54	The synthetic peptide PnPP-19 induces peripheral antinociception via activation of NO/cGMP/KATP pathway: Role of eNOS and nNOS. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 64, 31-38.	2.7	17

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55	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.	2.9	15
56	Prevention of changes in airway function facilitates <i>Strongyloides venezuelensis</i> infection in rats. <i>Microbes and Infection</i> , 2007, 9, 813-820.	1.9	13
57	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.	3.5	13
58	Thiamine deficiency leads to reduced nitric oxide production and vascular dysfunction in rats. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 183-188.	2.6	13
59	Mas receptor overexpression increased Ang-(1-7) relaxation response in renovascular hypertensive rat carotid. <i>Peptides</i> , 2015, 71, 250-258.	2.4	13
60	Exercise modulates the aortic renin-angiotensin system independently of estrogen therapy in ovariectomized hypertensive rats. <i>Peptides</i> , 2017, 87, 41-49.	2.4	13
61	Activation of eNOS by D-pinitol Induces an Endothelium-Dependent Vasodilatation in Mouse Mesenteric Artery. <i>Frontiers in Pharmacology</i> , 2018, 9, 528.	3.5	13
62	Neuropeptide Y2-type receptor-mediated activation of large-conductance Ca ²⁺ -sensitive K ⁺ channels in a human neuroblastoma cell line. <i>Pflügers Archiv European Journal of Physiology</i> , 1995, 430, 534-540.	2.8	12
63	The novel organic mononitrate NDHP attenuates hypertension and endothelial dysfunction in hypertensive rats. <i>Redox Biology</i> , 2018, 15, 182-191.	9.0	12
64	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.	4.3	12
65	Pharmacological studies on <i>Aristolochia papillaris</i> Mast. (Aristolochiaceae). <i>Journal of Ethnopharmacology</i> , 1993, 40, 141-145.	4.1	11
66	Mechanisms Involved in the Vasodilator Effect of the Flavanol Floranol in Rat Small Mesenteric Arteries. <i>Planta Medica</i> , 2004, 70, 465-467.	1.3	11
67	Implant-induced intraperitoneal inflammatory angiogenesis is attenuated by fluvastatin. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 262-268.	1.9	11
68	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.	2.8	11
69	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, 1144-1152.	2.6	10
70	Antiarrhythmogenic and Antioxidant Effect of the Flavonoid Dioclein in a Model of Cardiac Ischemia/Reperfusion. <i>Planta Medica</i> , 2006, 72, 300-303.	1.3	10
71	Proteinase-activated receptor 2 blockade impairs CCL11- or allergen-induced eosinophil recruitment in experimental pleurisy. <i>European Journal of Pharmacology</i> , 2014, 740, 627-633.	3.5	10
72	Structure-related blockage of calcium channels by vasodilator alkamides in mice mesenteric artery. <i>Vascular Pharmacology</i> , 2016, 82, 60-65.	2.1	10

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73	Neuronal nitric oxide synthase-derived hydrogen peroxide effect in grafts used in human coronary bypass surgery. <i>Clinical Science</i> , 2017, 131, 1015-1026.	4.3	10
74	Increase on the coronary flow induced by dioclein in isolated rat heart. <i>Life Sciences</i> , 2002, 70, 1121-1128.	4.3	9
75	Vasodilator and Antioxidant Effect of Xanthones Isolated from Brazilian Medicinal Plants. <i>Planta Medica</i> , 2009, 75, 145-148.	1.3	9
76	Mechanism of the vasodilator effect of 12-O-methylcurine in rat aortic rings. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 54, 853-858.	2.4	9
77	Increased expression of endothelial iNOS accounts for hyporesponsiveness of pulmonary artery to vasoconstrictors after paraquat poisoning. <i>Toxicology in Vitro</i> , 2010, 24, 1019-1025.	2.4	9
78	Mechanism of the Vasodilator Effect of Mono-oxygenated Xanthones: A Structure-Activity Relationship Study. <i>Planta Medica</i> , 2013, 79, 1495-1500.	1.3	9
79	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.	2.8	9
80	Mechanism of the vasodilator effect of Euxanthone in rat small mesenteric arteries. <i>Phytomedicine</i> , 2010, 17, 690-692.	5.3	8
81	Vascular Kinin B1 and B2 Receptors Determine Endothelial Dysfunction through Neuronal Nitric Oxide Synthase. <i>Frontiers in Physiology</i> , 2017, 8, 228.	2.8	8
82	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.	1.4	8
83	Gluten exacerbates atherosclerotic plaque formation in ApoE mice with diet-induced obesity. <i>Nutrition</i> , 2020, 75-76, 110658.	2.4	8
84	Sex Differences in the Vasodilation Mediated by G Protein-Coupled Estrogen Receptor (GPER) in Hypertensive Rats. <i>Frontiers in Physiology</i> , 2021, 12, 659291.	2.8	8
85	3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor (fluvastatin) decreases inflammatory angiogenesis in mice. <i>Apmis</i> , 2013, 121, 422-430.	2.0	7
86	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.	2.8	7
87	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.	2.7	7
88	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, 439-444.	3.7	6
89	Total assignments of ¹ H 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.	1.9	6
90	Activation of Nitric Oxide Modulator Effect by Isometric Contraction in Rat Resistance Arteries. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, 51-54.	1.9	6

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91	Structure and Vasorelaxant Activity of Floranol, a Flavonoid Isolated from the Roots of <i>Dioclea grandiflora</i> . <i>Chemistry and Biodiversity</i> , 2006, 3, 635-645.	2.1	6
92	Mechanism Involved in the Spasmolytic Effect of a Mixture of Two Triterpenes, Cycloartenol and Cycloeucalenol, Isolated from <i>Herissanthia tiubae</i> in the Guinea-Pig Ileum. <i>Planta Medica</i> , 2005, 71, 1025-1029.	1.3	5
93	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, 305-310.	1.4	5
94	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, 1499-1500.	1.4	5
95	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.	2.7	5
96	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.	2.7	5
97	Proteolytic activity of <i>Triatoma infestans</i> saliva associated with PAR-2 activation and vasodilation. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2021, 27, e20200098.	1.4	5
98	L-NAME Treatment Enhances Exercise-induced Content of Myocardial Heat Shock Protein 72 (Hsp72) in Rats. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 479-486.	1.6	4
99	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.	3.5	4
100	The synthetic peptide PnPP-19 potentiates erectile function via nNOS and iNOS. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 113-114, 23-30.	2.7	4
101	Dihydrogoniiothalamine, an Endothelium and NO-Dependent Vasodilator Drug Isolated from <i>Aniba panurensis</i> . <i>Planta Medica</i> , 2015, 81, 1375-1381.	1.3	3
102	Fullerene-Derivatives as Therapeutic Agents in Respiratory System and Neurodegenerative Disorders. <i>Nanomedicine and Nanotoxicology</i> , 2016, , 71-84.	0.2	3
103	Effects of progesterone treatment on endothelium-dependent coronary relaxation in ovariectomized rats. <i>Life Sciences</i> , 2020, 247, 117391.	4.3	3
104	Sex differences in progesterone-induced relaxation in the coronary bed from normotensive rats. <i>Journal of Molecular Endocrinology</i> , 2020, 64, 91-102.	2.5	3
105	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.	1.3	2
106	Activation of Cav1.2 and BKCa is involved in the downregulation of caffeine-induced contraction in mice mesenteric arteries. <i>Life Sciences</i> , 2019, 231, 116555.	4.3	2
107	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.	3.6	2
108	Blockade of protease-activated receptor 2 attenuates allergen-mediated acute lung inflammation and leukocyte recruitment in mice. <i>Journal of Biosciences</i> , 2022, 47, 1.	1.1	2

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109	Ã“XIDO NÃTRICO E DINÃMICA DE CA ²⁺ EM CARDIOMIÃ“CITOS: INFLUÃŠNCIA DA CAPACIDADE DE EXERCÃCIO. Revista Brasileira De Medicina Do Esporte, 2016, 22, 31-34.	0.2	0
110	Exercise training improves heat balance during exercise depending on tail vasodilatation mediated by modification in vascular reactivity. FASEB Journal, 2009, 23, 955.34.	0.5	0