Luciana Venturini Rossoni

List of Publications by Year
in descending order

105 papers	3,550 citations	101543 36 h-index	155660 55 g-index
106 all docs	106 docs citations	106 times ranked	5034 citing authors

#	Article	IF	Citations
1	Toxic Effects of Mercury on the Cardiovascular and Central Nervous Systems. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-11.	3.0	239
2	Effects of aerobic exercise training on antioxidant enzyme activities and mRNA levels in soleus muscle from young and aged rats. Mechanisms of Ageing and Development, 2007, 128, 267-275.	4.6	158
3	Galectin-3 Blockade Inhibits Cardiac Inflammation and Fibrosis in Experimental Hyperaldosteronism and Hypertension. Hypertension, 2015, 66, 767-775.	2.7	129
4	Oxidative stress and inflammatory mediators contribute to endothelial dysfunction in high-fat diet-induced obesity in mice. Journal of Hypertension, 2010, 28, 2111-2119.	0.5	114
5	Dipeptidyl peptidase IV inhibition attenuates blood pressure rising in young spontaneously hypertensive rats. Journal of Hypertension, 2011, 29, 520-528.	0.5	105
6	Endothelial dysfunction in the pulmonary artery induced by concentrated fine particulate matter exposure is associated with local but not systemic inflammation. Toxicology, 2012, 295, 39-46.	4.2	101
7	Anabolic steroids induce cardiac renin-angiotensin system and impair the beneficial effects of aerobic training in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3575-H3583.	3.2	95
8	The interplay among gut microbiota, hypertension and kidney diseases: The role of short-chain fatty acids. Pharmacological Research, 2019, 141, 366-377.	7.1	94
9	Dipeptidyl peptidase IV inhibition downregulates Na⁺-H⁺exchanger NHE3 in rat renal proximal tubule. American Journal of Physiology - Renal Physiology, 2008, 294, F414-F422.	2.7	86
10	Vasorelaxant effects of eugenol on rat thoracic aorta. Vascular Pharmacology, 2003, 40, 59-66.	2.1	84
11	Aldosterone induces endothelial dysfunction in resistance arteries from normotensive and hypertensive rats by increasing thromboxane A₂ and prostacyclin. British Journal of Pharmacology, 2008, 154, 1225-1235.	5.4	71
12	Endothelial dysfunction in cardiovascular and endocrine-metabolic diseases: an update. Brazilian Journal of Medical and Biological Research, 2011, 44, 920-932.	1.5	69
13	Molecular basis for the improvement in muscle metaboreflex and mechanoreflex control in exercise-trained humans with chronic heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1655-H1666.	3.2	68
14	Alterations in phenylephrineâ€induced contractions and the vascular expression of Na⁺,K⁺â€ATPase in ouabainâ€induced hypertension. British Journal of Pharmacology, 2002, 135, 771-781.	5.4	66
15	Dehydroepiandrosterone protects against oxidative stressâ€induced endothelial dysfunction in ovariectomized rats. Journal of Physiology, 2011, 589, 2585-2596.	2.9	65
16	Exercise training improves relaxation response and SOD-1 expression in aortic and mesenteric rings from high caloric diet-fed rats. BMC Physiology, 2008, 8, 12.	3.6	64
17	Effects of Exercise Training on Circulating and Skeletal Muscle Renin-Angiotensin System in Chronic Heart Failure Rats. PLoS ONE, 2014, 9, e98012.	2.5	61
18	Alterations in structure and mechanics of resistance arteries from ouabain-induced hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H193-H201.	3.2	59

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19	Different Anti-Contractile Function and Nitric Oxide Production of Thoracic and Abdominal Perivascular Adipose Tissues. Frontiers in Physiology, 2016, 7, 295.	2.8	56
20	Acute simvastatin increases endothelial nitric oxide synthase phosphorylation via AMP-activated protein kinase and reduces contractility of isolated rat mesenteric resistance arteries. Clinical Science, 2011, 121, 449-458.	4.3	52
21	Ouabain-induced hypertension is accompanied by increases in endothelial vasodilator factors. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2110-H2118.	3.2	50
22	Time-dependent hyperreactivity to phenylephrine in aorta from untreated diabetic rats: role of prostanoids and calcium mobilization. Vascular Pharmacology, 2003, 40, 67-76.	2.1	48
23	Effects of isoproterenol treatment for 7 days on inflammatory mediators in the rat aorta. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H211-H219.	3.2	47
24	Cardiac benefits of exercise training in aging spontaneously hypertensive rats. Journal of Hypertension, 2011, 29, 2349-2358.	0.5	47
25	Isoproterenol Induces Vascular Oxidative Stress and Endothelial Dysfunction via a GÎ±-Coupled Î²2-Adrenoceptor Signaling Pathway. PLoS ONE, 2014, 9, e91877.	2.5	47
26	Changes in vascular reactivity following administration of isoproterenol for 1 week: a role for endothelial modulation. British Journal of Pharmacology, 2006, 148, 629-639.	5.4	46
27	Signaling function of Na,K-ATPase induced by ouabain against LPS as an inflammation model in hippocampus. Journal of Neuroinflammation, 2014, 11, 218.	7.2	46
28	Interaction between Advanced Glycation End Products Formation and Vascular Responses in Femoral and Coronary Arteries from Exercised Diabetic Rats. PLoS ONE, 2012, 7, e53318.	2.5	45
29	Enhanced nitric oxide bioavailability in coronary arteries prevents the onset of heart failure in rats with myocardial infarction. Journal of Molecular and Cellular Cardiology, 2015, 86, 110-120.	1.9	44
30	Protective Effect of Estradiol on Acute Lung Inflammation Induced by an Intestinal Ischemic Insult is Dependent on Nitric Oxide. Shock, 2013, 40, 203-209.	2.1	43
31	Ouabainâ€induced hypertension alters the participation of endothelial factors in Î±â€adrenergic responses differently in rat resistance and conductance mesenteric arteries. British Journal of Pharmacology, 2004, 143, 215-225.	5.4	42
32	Eugenol dilates mesenteric arteries and reduces systemic BP by activating endothelial cell <scp>TRPV</scp>4 channels. British Journal of Pharmacology, 2015, 172, 3484-3494.	5.4	42
33	Is Gender Crucial for Cardiovascular Adjustments Induced by Exercise Training in Female Spontaneously Hypertensive Rats?. Hypertension, 2008, 52, 514-521.	2.7	40
34	Effects of mercury on the arterial blood pressure of anesthetized rats. Brazilian Journal of Medical and Biological Research, 1999, 32, 989-997.	1.5	39
35	Obesity induced by neonatal treatment with monosodium glutamate impairs microvascular reactivity in adult rats: Role of NO and prostanoids. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 808-816.	2.6	39
36	Posttranslational mechanisms associated with reduced NHE3 activity in adult vs. young prehypertensive SHR. American Journal of Physiology - Renal Physiology, 2010, 299, F872-F881.	2.7	38

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37	Ouabain Changes Arterial Blood Pressure and Vascular Reactivity to Phenylephrine in l-NAMEâ€"Induced Hypertension. Journal of Cardiovascular Pharmacology, 2003, 41, 105-116.	1.9	36
38	Ca2+-Activated K+ Channels Underlying the Impaired Acetylcholine-Induced Vasodilation in 2K-1C Hypertensive Rats. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 1036-1042.	2.5	36
39	Rostafuroxin ameliorates endothelial dysfunction and oxidative stress in resistance arteries from deoxycorticosterone acetate-salt hypertensive rats. Journal of Hypertension, 2014, 32, 542-554.	0.5	36
40	Influence of Nâ€methylâ€Dâ€aspartate receptors on ouabain activation of nuclear factorâ€ÎºB in the rat hippocampus. Journal of Neuroscience Research, 2012, 90, 213-228.	2.9	35
41	The Influence of Nanomolar Ouabain on Vascular Pressor Responses is Modulated by the Endothelium. Journal of Cardiovascular Pharmacology, 1999, 34, 887-892.	1.9	33
42	Ouabain activates NFÎºB through an NMDA signaling pathway in cultured cerebellar cells. Neuropharmacology, 2013, 73, 327-336.	4.1	32
43	Haemodynamic and electrophysiological acute toxic effects of mercury in anaesthetized rats and in langendorff perfused rat hearts. Pharmacological Research, 1995, 32, 27-36.	7.1	29
44	Spironolactone Prevents Endothelial Nitric Oxide Synthase Uncoupling and Vascular Dysfunction Induced by Î²-Adrenergic Overstimulation. Hypertension, 2016, 68, 726-735.	2.7	29
45	Exercise training induces eNOS coupling and restores relaxation in coronary arteries of heart failure rats. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H878-H887.	3.2	28
46	Increased Vascular Contractility and Oxidative Stress in Î²₂-Adrenoceptor Knockout Mice: The Role of NADPH Oxidase. Journal of Vascular Research, 2012, 49, 342-352.	1.4	27
47	Aerobic exercise training increases neuronal nitric oxide release and bioavailability and decreases noradrenaline release in mesenteric artery from spontaneously hypertensive rats. Journal of Hypertension, 2013, 31, 916-926.	0.5	27
48	Renovascular remodeling and renal injury after extended angiotensin II infusion. American Journal of Physiology - Renal Physiology, 2016, 310, F1295-F1307.	2.7	27
49	Cyclooxygenase pathway is involved in the vascular reactivity and inhibition of the Na+, K+-ATPase activity in the tail artery from L-NAME-treated rats. Life Sciences, 2003, 74, 613-627.	4.3	26
50	Granulocyte Colony-stimulating Factor Reduces Mortality by Suppressing Ventricular Arrhythmias in Acute Phase of Myocardial Infarction in Rats. Journal of Cardiovascular Pharmacology, 2008, 52, 375-380.	1.9	26
51	Effects of Mercury on the Isolated Perfused Rat Tail Vascular Bed Are Endothelium-Dependent. Archives of Environmental Contamination and Toxicology, 2000, 39, 124-130.	4.1	25
52	Neurogenic nitric oxide release increases in mesenteric arteries from ouabain hypertensive rats. Journal of Hypertension, 2004, 22, 949-957.	0.5	25
53	Effects of high sodium intake diet on the vascular reactivity to phenylephrine on rat isolated caudal and renal vascular beds: Endothelial modulation. Life Sciences, 2006, 78, 2272-2279.	4.3	25
54	Effects of ouabain on the pressor response to phenylephrine and on the sodium pump activity in diabetic rats. European Journal of Pharmacology, 2000, 406, 419-427.	3.5	23

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55	Time course of training-induced microcirculatory changes and of vegf expression in skeletal muscles of spontaneously hypertensive female rats. Brazilian Journal of Medical and Biological Research, 2008, 41, 424-431.	1.5	23
56	Long-Term Ouabain Treatment Impairs Vascular Function in Resistance Arteries. Journal of Vascular Research, 2011, 48, 316-326.	1.4	23
57	Contribution of the endothelin and reninâ€“angiotensin systems to the vascular changes in rats chronically treated with ouabain. British Journal of Pharmacology, 2004, 143, 794-802.	5.4	21
58	Remodelamento miocÃ¡rdico apÃ³s grandes infartos converte potenciaÃ§Ã£o pÃ³s-pausa em decaimento da forÃ§a em ratos. Arquivos Brasileiros De Cardiologia, 2012, 98, 243-251.	0.8	21
59	Effects of ouabain on vascular reactivity. Brazilian Journal of Medical and Biological Research, 1997, 30, 545-552.	1.5	20
60	CYCLOOXYGENASE INHIBITION REDUCES BLOOD PRESSURE ELEVATION AND VASCULAR REACTIVITY DYSFUNCTION CAUSED BY INHIBITION OF NITRIC OXIDE SYNTHASE IN RATS. Clinical and Experimental Hypertension, 2000, 22, 203-215.	1.3	20
61	Resistance exercise acutely enhances mesenteric artery insulin-induced relaxation in healthy rats. Life Sciences, 2014, 94, 24-29.	4.3	20
62	Aerobic Exercise Training Prevents the Onset of Endothelial Dysfunction via Increased Nitric Oxide Bioavailability and Reduced Reactive Oxygen Species in an Experimental Model of Menopause. PLoS ONE, 2015, 10, e0125388.	2.5	20
63	Ouabain at Nanomolar Concentration Promotes Synthesis and Release of Angiotensin II from the Endothelium of the Tail Vascular Bed of Spontaneously Hypertensive Rats. Journal of Cardiovascular Pharmacology, 2004, 44, 372-380.	1.9	19
64	The Antiapoptotic Effect of Granulocyte Colony-stimulating Factor Reduces Infarct Size and Prevents Heart Failure Development in Rats. Cellular Physiology and Biochemistry, 2011, 28, 33-40.	1.6	19
65	Reninâ€“angiotensin system overactivation in perivascular adipose tissue contributes to vascular dysfunction in heart failure. Clinical Science, 2020, 134, 3195-3211.	4.3	19
66	Reactivity of the isolated perfused rat tail vascular bed. Brazilian Journal of Medical and Biological Research, 1997, 30, 891-895.	1.5	18
67	Protein disulfide isomerase expression increases in resistance arteries during hypertension development. Effects on Nox1 NADPH oxidase signaling. Frontiers in Chemistry, 2015, 3, 24.	3.6	18
68	Enhanced endothelium-dependent relaxation of rat pulmonary artery following Î²-adrenergic overstimulation: Involvement of the NO/cGMP/VASP pathway. Life Sciences, 2015, 125, 49-56.	4.3	18
69	Blood pressure variability increases connexin expression in the vascular smooth muscle of rats. Cardiovascular Research, 2008, 80, 123-130.	3.8	16
70	Effects of small doses of ouabain on the arterial blood pressure of anesthetized hypertensive and normotensive rats. Brazilian Journal of Medical and Biological Research, 2001, 34, 1065-1077.	1.5	15
71	Ouabain-induced hypertension enhances left ventricular contractility in rats. Life Sciences, 2006, 79, 1537-1545.	4.3	15
72	Spironolactone prevents alterations associated with cardiac hypertrophy produced by isoproterenol in rats: involvement of serumâ€•and glucocorticoidâ€•regulated kinase type 1. Experimental Physiology, 2012, 97, 710-718.	2.0	14

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73	Cell therapy prevents structural, functional and molecular remodeling of remote non-infarcted myocardium. International Journal of Cardiology, 2013, 168, 3829-3836.	1.7	14
74	Chronic ouabain treatment exacerbates blood pressure elevation in spontaneously hypertensive rats: the role of vascular mechanisms. Journal of Hypertension, 2009, 27, 1233-1242.	0.5	13
75	Time-dependent increases in ouabain-sensitive Na+, K+-ATPase activity in aortas from diabetic rats: The role of prostanoids and protein kinase C. Life Sciences, 2010, 87, 302-308.	4.3	13
76	Drag reduction by polyethylene glycol in the tail arterial bed of normotensive and hypertensive rats. Brazilian Journal of Medical and Biological Research, 2011, 44, 767-777.	1.5	13
77	Molecular Pathways Involved in Aerobic Exercise Training Enhance Vascular Relaxation. Medicine and Science in Sports and Exercise, 2020, 52, 2117-2126.	0.4	12
78	Double disruption of Î±_{2A}â€•and Î±_{2C}â€adrenoceptors induces endothelial dysfunction in mouse small arteries: role of nitric oxide synthase uncoupling. Experimental Physiology, 2014, 99, 1427-1438.	2.0	11
79	Exercise training restores the myogenic response in skeletal muscle resistance arteries and corrects peripheral edema in rats with heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H87-H96.	3.2	8
80	Chronic cyclooxygenase-2 inhibition prevents the worsening of hypertension and endothelial dysfunction induced by ouabain in resistance arteries of spontaneously hypertensive rats. Vascular Pharmacology, 2021, 139, 106880.	2.1	7
81	Small Doses of Canrenone Block the Effects of Ouabain on the Mechanical Activity of the Heart and Vessels of the Rat. Journal of Cardiovascular Pharmacology, 1998, 32, 679-685.	1.9	7
82	Fenofibrate and Pioglitazone Do Not Ameliorate the Altered Vascular Reactivity in Aorta of Isoproterenol-treated Rats. Journal of Cardiovascular Pharmacology, 2008, 52, 413-421.	1.9	6
83	Acute Pressor Actions of Ouabain Do Not Enhance the Actions of Phenylephrine or Norepinephrine in Anesthetized Rats. Journal of Cardiovascular Pharmacology, 2001, 37, 339-348.	1.9	5
84	Beneficial Effects of Physical Training on the Cardio-Inflammatory Disorder Induced by Lung Ischemia/Reperfusion in Rats. Inflammation, 2011, 34, 319-325.	3.8	5
85	Enhanced sympathetic neurotransduction in the superior mesenteric artery in a rat model of heart failure: role of noradrenaline and ATP. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H563-H574.	3.2	5
86	The protective role of neuronal nitric oxide synthase in endothelial vasodilation in chronic Î²-adrenoceptor overstimulation. Life Sciences, 2021, 285, 119939.	4.3	5
87	The left ventricular contractility of the rat heart is modulated by changes in flow and <FONT FACE=Symbol>a1-adrenoceptor stimulation. Brazilian Journal of Medical and Biological Research, 1998, 31, 1353-1359.	1.5	4
88	Chronic ouabain treatment increases the contribution of nitric oxide to endothelium-dependent relaxation. Journal of Physiology and Biochemistry, 2008, 64, 115-125.	3.0	4
89	L-NAME Treatment Enhances Exercise-induced Content of Myocardial Heat Shock Protein 72 (Hsp72) in Rats. Cellular Physiology and Biochemistry, 2011, 27, 479-486.	1.6	4
90	Enhanced Na⁺, K⁺-ATPase activity and endothelial modulation decrease phenylephrine-induced contraction in aorta from ouabain-treated normotensive and hypertensive rats. Hormone Molecular Biology and Clinical Investigation, 2014, 18, 113-122.	0.7	3

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91	Atrial fibrillation promotion in a rat model of heart failure induced by left ventricle radiofrequency ablation. IJC Heart and Vasculature, 2018, 21, 22-28.	1.1	3
92	Vena cava presents endothelial dysfunction prior to thoracic aorta in heart failure: the pivotal role of nNOS uncoupling/oxidative stress. Clinical Science, 2021, 135, 2625-2641.	4.3	3
93	Cardioprotective effect of ornitho-kinin in an anesthetized, open-chest chicken model of acute coronary occlusion. Brazilian Journal of Medical and Biological Research, 2009, 42, 824-830.	1.5	2
94	Pancreatic islets isolated from Î²₂ adrenergic receptor knockout mice show reduced insulin secretion in response to nutrients - doi: 10.4025/actascibiolsci.v35i3.15842. Acta Scientiarum - Biological Sciences, 2013, 35, .	0.3	0
95	PP.27.05. Journal of Hypertension, 2015, 33, e367.	0.5	0
96	ROSTAFUROXIN AMELIORATES THE INWARD REMODELING AND STIFFNESS IN RESISTANCE ARTERIES FROM DEOXYCORTICOSTERONE ACETATE-SALT HYPERTENSIVE RATS. Journal of Hypertension, 2018, 36, e292-e293.	0.5	0
97	ROSTAFUROXIN RESTORES THE INCREASED PERIVASCULAR INNERVATION IN RESISTANCE ARTERIES OF HYPERTENSIVE RATS. Journal of Hypertension, 2021, 39, e19.	0.5	0
98	Editorial: Vascular Adjustments in Cardiovascular Disorders. Frontiers in Physiology, 2021, 12, 777488.	2.8	0
99	EFFECTS OF ANABOLIC STEROIDS ON CARDIAC HYPERTROPHY, HEMODYNAMIC RESPONSES AND ANGIOTENSIN CONVERTING ENZIME ACTIVITY IN EXERCISE TRAINED RATS. Journal of Hypertension, 2004, 22, S72.	0.5	0
100	Dipeptidyl Peptidase IV Inhibition Attenuates Blood Pressure Rising in Young Spontaneously Hypertensive Rats (SHR). FASEB Journal, 2010, 24, 982.5.	0.5	0
101	Losartan attenuates cardiac remodeling but does not prevent vascular dysfunction in isoproterenolâ€treated rats. FASEB Journal, 2012, 26, 1093.7.	0.5	0
102	Simvastatin improves cardiovascular sympathetic modulation and endothelial function of resistance arteries from hypercholesterolemic mice. FASEB Journal, 2012, 26, 681.5.	0.5	0
103	Increment in nNOS and Aktâ€eNOS pathway in coronary arteries postâ€myocardial infarction can prevent the onset of heart failure. FASEB Journal, 2012, 26, 866.5.	0.5	0
104	Exercise Training Prevents Skeletal Muscle Atrophy And Dysfunction In Hypertension Involving A Set Of MicroRNAs. Medicine and Science in Sports and Exercise, 2016, 48, 1086-1087.	0.4	0
105	EFFECT OF COMBINED PHYSICAL TRAINING ON VASCULAR REACTIVITY OF HEART FAILURE RATS. FASEB Journal, 2018, 32, lb334.	0.5	0