

Luciana Venturini Rossoni

List of Publications by Year in descending order

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105
papers

3,550
citations

101384

36
h-index

155451

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. <i>Journal of Biomedicine and Biotechnology</i> , 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. <i>Mechanisms of Ageing and Development</i> , 2007, 128, 267-275.	2.2	158
3	Galectin-3 Blockade Inhibits Cardiac Inflammation and Fibrosis in Experimental Hyperaldosteronism and Hypertension. <i>Hypertension</i> , 2015, 66, 767-775.	1.3	129
4	Oxidative stress and inflammatory mediators contribute to endothelial dysfunction in high-fat diet-induced obesity in mice. <i>Journal of Hypertension</i> , 2010, 28, 2111-2119.	0.3	114
5	Dipeptidyl peptidase IV inhibition attenuates blood pressure rising in young spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2011, 29, 520-528.	0.3	105
6	Endothelial dysfunction in the pulmonary artery induced by concentrated fine particulate matter exposure is associated with local but not systemic inflammation. <i>Toxicology</i> , 2012, 295, 39-46.	2.0	101
7	Anabolic steroids induce cardiac renin-angiotensin system and impair the beneficial effects of aerobic training in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H3575-H3583.	1.5	95
8	The interplay among gut microbiota, hypertension and kidney diseases: The role of short-chain fatty acids. <i>Pharmacological Research</i> , 2019, 141, 366-377.	3.1	94
9	Dipeptidyl peptidase IV inhibition downregulates Na ⁺ -H ⁺ exchanger NHE3 in rat renal proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F414-F422.	1.3	86
10	Vasorelaxant effects of eugenol on rat thoracic aorta. <i>Vascular Pharmacology</i> , 2003, 40, 59-66.	1.0	84
11	Aldosterone induces endothelial dysfunction in resistance arteries from normotensive and hypertensive rats by increasing thromboxane A ₂ and prostacyclin. <i>British Journal of Pharmacology</i> , 2008, 154, 1225-1235.	2.7	71
12	Endothelial dysfunction in cardiovascular and endocrine-metabolic diseases: an update. <i>Brazilian Journal of Medical and Biological Research</i> , 2011, 44, 920-932.	0.7	69
13	Molecular basis for the improvement in muscle metaboreflex and mechanoreflex control in exercise-trained humans with chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1655-H1666.	1.5	68
14	Alterations in phenylephrine-induced contractions and the vascular expression of Na ⁺ ,K ⁺ -ATPase in ouabain-induced hypertension. <i>British Journal of Pharmacology</i> , 2002, 135, 771-781.	2.7	66
15	Dehydroepiandrosterone protects against oxidative stress-induced endothelial dysfunction in ovariectomized rats. <i>Journal of Physiology</i> , 2011, 589, 2585-2596.	1.3	65
16	Exercise training improves relaxation response and SOD-1 expression in aortic and mesenteric rings from high caloric diet-fed rats. <i>BMC Physiology</i> , 2008, 8, 12.	3.6	64
17	Effects of Exercise Training on Circulating and Skeletal Muscle Renin-Angiotensin System in Chronic Heart Failure Rats. <i>PLoS ONE</i> , 2014, 9, e98012.	1.1	61
18	Alterations in structure and mechanics of resistance arteries from ouabain-induced hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H193-H201.	1.5	59

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19	Different Anti-Contractile Function and Nitric Oxide Production of Thoracic and Abdominal Perivascular Adipose Tissues. <i>Frontiers in Physiology</i> , 2016, 7, 295.	1.3	56
20	Acute simvastatin increases endothelial nitric oxide synthase phosphorylation via AMP-activated protein kinase and reduces contractility of isolated rat mesenteric resistance arteries. <i>Clinical Science</i> , 2011, 121, 449-458.	1.8	52
21	Ouabain-induced hypertension is accompanied by increases in endothelial vasodilator factors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H2110-H2118.	1.5	50
22	Time-dependent hyperreactivity to phenylephrine in aorta from untreated diabetic rats: role of prostanoids and calcium mobilization. <i>Vascular Pharmacology</i> , 2003, 40, 67-76.	1.0	48
23	Effects of isoproterenol treatment for 7 days on inflammatory mediators in the rat aorta. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H211-H219.	1.5	47
24	Cardiac benefits of exercise training in aging spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2011, 29, 2349-2358.	0.3	47
25	Isoproterenol Induces Vascular Oxidative Stress and Endothelial Dysfunction via a G_{i2} -Coupled β_2 -Adrenoceptor Signaling Pathway. <i>PLoS ONE</i> , 2014, 9, e91877.	1.1	47
26	Changes in vascular reactivity following administration of isoproterenol for 1 week: a role for endothelial modulation. <i>British Journal of Pharmacology</i> , 2006, 148, 629-639.	2.7	46
27	Signaling function of Na,K -ATPase induced by ouabain against LPS as an inflammation model in hippocampus. <i>Journal of Neuroinflammation</i> , 2014, 11, 218.	3.1	46
28	Interaction between Advanced Glycation End Products Formation and Vascular Responses in Femoral and Coronary Arteries from Exercised Diabetic Rats. <i>PLoS ONE</i> , 2012, 7, e53318.	1.1	45
29	Enhanced nitric oxide bioavailability in coronary arteries prevents the onset of heart failure in rats with myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 86, 110-120.	0.9	44
30	Protective Effect of Estradiol on Acute Lung Inflammation Induced by an Intestinal Ischemic Insult is Dependent on Nitric Oxide. <i>Shock</i> , 2013, 40, 203-209.	1.0	43
31	Ouabain-induced hypertension alters the participation of endothelial factors in β -adrenergic responses differently in rat resistance and conductance mesenteric arteries. <i>British Journal of Pharmacology</i> , 2004, 143, 215-225.	2.7	42
32	Eugenol dilates mesenteric arteries and reduces systemic BP by activating endothelial cell TRPV_4 channels. <i>British Journal of Pharmacology</i> , 2015, 172, 3484-3494.	2.7	42
33	Is Gender Crucial for Cardiovascular Adjustments Induced by Exercise Training in Female Spontaneously Hypertensive Rats?. <i>Hypertension</i> , 2008, 52, 514-521.	1.3	40
34	Effects of mercury on the arterial blood pressure of anesthetized rats. <i>Brazilian Journal of Medical and Biological Research</i> , 1999, 32, 989-997.	0.7	39
35	Obesity induced by neonatal treatment with monosodium glutamate impairs microvascular reactivity in adult rats: Role of NO and prostanoids. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2011, 21, 808-816.	1.1	39
36	Posttranslational mechanisms associated with reduced NHE3 activity in adult vs. young prehypertensive SHR. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, F872-F881.	1.3	38

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37	Ouabain Changes Arterial Blood Pressure and Vascular Reactivity to Phenylephrine in L-NAME-Induced Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2003, 41, 105-116.	0.8	36
38	Ca ²⁺ -Activated K ⁺ Channels Underlying the Impaired Acetylcholine-Induced Vasodilation in 2K-1C Hypertensive Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 1036-1042.	1.3	36
39	Rostafuroxin ameliorates endothelial dysfunction and oxidative stress in resistance arteries from deoxycorticosterone acetate-salt hypertensive rats. <i>Journal of Hypertension</i> , 2014, 32, 542-554.	0.3	36
40	Influence of N-methyl-D-aspartate receptors on ouabain activation of nuclear factor- κ B in the rat hippocampus. <i>Journal of Neuroscience Research</i> , 2012, 90, 213-228.	1.3	35
41	The Influence of Nanomolar Ouabain on Vascular Pressor Responses is Modulated by the Endothelium. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 34, 887-892.	0.8	33
42	Ouabain activates NF κ B through an NMDA signaling pathway in cultured cerebellar cells. <i>Neuropharmacology</i> , 2013, 73, 327-336.	2.0	32
43	Haemodynamic and electrophysiological acute toxic effects of mercury in anaesthetized rats and in langendorff perfused rat hearts. <i>Pharmacological Research</i> , 1995, 32, 27-36.	3.1	29
44	Spirolactone Prevents Endothelial Nitric Oxide Synthase Uncoupling and Vascular Dysfunction Induced by β -Adrenergic Overstimulation. <i>Hypertension</i> , 2016, 68, 726-735.	1.3	29
45	Exercise training induces eNOS coupling and restores relaxation in coronary arteries of heart failure rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H878-H887.	1.5	28
46	Increased Vascular Contractility and Oxidative Stress in β -Adrenoceptor Knockout Mice: The Role of NADPH Oxidase. <i>Journal of Vascular Research</i> , 2012, 49, 342-352.	0.6	27
47	Aerobic exercise training increases neuronal nitric oxide release and bioavailability and decreases noradrenaline release in mesenteric artery from spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2013, 31, 916-926.	0.3	27
48	Renovascular remodeling and renal injury after extended angiotensin II infusion. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F1295-F1307.	1.3	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. <i>Life Sciences</i> , 2003, 74, 613-627.	2.0	26
50	Granulocyte Colony-stimulating Factor Reduces Mortality by Suppressing Ventricular Arrhythmias in Acute Phase of Myocardial Infarction in Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 52, 375-380.	0.8	26
51	Effects of Mercury on the Isolated Perfused Rat Tail Vascular Bed Are Endothelium-Dependent. <i>Archives of Environmental Contamination and Toxicology</i> , 2000, 39, 124-130.	2.1	25
52	Neurogenic nitric oxide release increases in mesenteric arteries from ouabain hypertensive rats. <i>Journal of Hypertension</i> , 2004, 22, 949-957.	0.3	25
53	Effects of high sodium intake diet on the vascular reactivity to phenylephrine on rat isolated caudal and renal vascular beds: Endothelial modulation. <i>Life Sciences</i> , 2006, 78, 2272-2279.	2.0	25
54	Effects of ouabain on the pressor response to phenylephrine and on the sodium pump activity in diabetic rats. <i>European Journal of Pharmacology</i> , 2000, 406, 419-427.	1.7	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. <i>Brazilian Journal of Medical and Biological Research</i> , 2008, 41, 424-431.	0.7	23
56	Long-Term Ouabain Treatment Impairs Vascular Function in Resistance Arteries. <i>Journal of Vascular Research</i> , 2011, 48, 316-326.	0.6	23
57	Contribution of the endothelin and renin-angiotensin systems to the vascular changes in rats chronically treated with ouabain. <i>British Journal of Pharmacology</i> , 2004, 143, 794-802.	2.7	21
58	Remodelamento miocárdico após grandes infartos converte potenciação pós-pausa em decaimento da força em ratos. <i>Arquivos Brasileiros De Cardiologia</i> , 2012, 98, 243-251.	0.3	21
59	Effects of ouabain on vascular reactivity. <i>Brazilian Journal of Medical and Biological Research</i> , 1997, 30, 545-552.	0.7	20
60	CYCLOOXYGENASE INHIBITION REDUCES BLOOD PRESSURE ELEVATION AND VASCULAR REACTIVITY DYSFUNCTION CAUSED BY INHIBITION OF NITRIC OXIDE SYNTHASE IN RATS. <i>Clinical and Experimental Hypertension</i> , 2000, 22, 203-215.	0.5	20
61	Resistance exercise acutely enhances mesenteric artery insulin-induced relaxation in healthy rats. <i>Life Sciences</i> , 2014, 94, 24-29.	2.0	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. <i>PLoS ONE</i> , 2015, 10, e0125388.	1.1	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. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 44, 372-380.	0.8	19
64	The Antiapoptotic Effect of Granulocyte Colony-stimulating Factor Reduces Infarct Size and Prevents Heart Failure Development in Rats. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 33-40.	1.1	19
65	Renin-angiotensin system overactivation in perivascular adipose tissue contributes to vascular dysfunction in heart failure. <i>Clinical Science</i> , 2020, 134, 3195-3211.	1.8	19
66	Reactivity of the isolated perfused rat tail vascular bed. <i>Brazilian Journal of Medical and Biological Research</i> , 1997, 30, 891-895.	0.7	18
67	Protein disulfide isomerase expression increases in resistance arteries during hypertension development. Effects on Nox1 NADPH oxidase signaling. <i>Frontiers in Chemistry</i> , 2015, 3, 24.	1.8	18
68	Enhanced endothelium-dependent relaxation of rat pulmonary artery following β^2 -adrenergic overstimulation: Involvement of the NO/cGMP/VASP pathway. <i>Life Sciences</i> , 2015, 125, 49-56.	2.0	18
69	Blood pressure variability increases connexin expression in the vascular smooth muscle of rats. <i>Cardiovascular Research</i> , 2008, 80, 123-130.	1.8	16
70	Effects of small doses of ouabain on the arterial blood pressure of anesthetized hypertensive and normotensive rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2001, 34, 1065-1077.	0.7	15
71	Ouabain-induced hypertension enhances left ventricular contractility in rats. <i>Life Sciences</i> , 2006, 79, 1537-1545.	2.0	15
72	Spirolactone prevents alterations associated with cardiac hypertrophy produced by isoproterenol in rats: involvement of serum- and glucocorticoid-regulated kinase type 1. <i>Experimental Physiology</i> , 2012, 97, 710-718.	0.9	14

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73	Cell therapy prevents structural, functional and molecular remodeling of remote non-infarcted myocardium. <i>International Journal of Cardiology</i> , 2013, 168, 3829-3836.	0.8	14
74	Chronic ouabain treatment exacerbates blood pressure elevation in spontaneously hypertensive rats: the role of vascular mechanisms. <i>Journal of Hypertension</i> , 2009, 27, 1233-1242.	0.3	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. <i>Life Sciences</i> , 2010, 87, 302-308.	2.0	13
76	Drag reduction by polyethylene glycol in the tail arterial bed of normotensive and hypertensive rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2011, 44, 767-777.	0.7	13
77	Molecular Pathways Involved in Aerobic Exercise Training Enhance Vascular Relaxation. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2117-2126.	0.2	12
78	Double disruption of α_1A and α_1C adrenoceptors induces endothelial dysfunction in mouse small arteries: role of nitric oxide synthase uncoupling. <i>Experimental Physiology</i> , 2014, 99, 1427-1438.	0.9	11
79	Exercise training restores the myogenic response in skeletal muscle resistance arteries and corrects peripheral edema in rats with heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H87-H96.	1.5	8
80	Chronic cyclooxygenase-2 inhibition prevents the worsening of hypertension and endothelial dysfunction induced by ouabain in resistance arteries of spontaneously hypertensive rats. <i>Vascular Pharmacology</i> , 2021, 139, 106880.	1.0	7
81	Small Doses of Canrenone Block the Effects of Ouabain on the Mechanical Activity of the Heart and Vessels of the Rat. <i>Journal of Cardiovascular Pharmacology</i> , 1998, 32, 679-685.	0.8	7
82	Fenofibrate and Pioglitazone Do Not Ameliorate the Altered Vascular Reactivity in Aorta of Isoproterenol-treated Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 52, 413-421.	0.8	6
83	Acute Pressor Actions of Ouabain Do Not Enhance the Actions of Phenylephrine or Norepinephrine in Anesthetized Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 37, 339-348.	0.8	5
84	Beneficial Effects of Physical Training on the Cardio-Inflammatory Disorder Induced by Lung Ischemia/Reperfusion in Rats. <i>Inflammation</i> , 2011, 34, 319-325.	1.7	5
85	Enhanced sympathetic neurotransduction in the superior mesenteric artery in a rat model of heart failure: role of noradrenaline and ATP. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H563-H574.	1.5	5
86	The protective role of neuronal nitric oxide synthase in endothelial vasodilation in chronic β_2 -adrenoceptor overstimulation. <i>Life Sciences</i> , 2021, 285, 119939.	2.0	5
87	The left ventricular contractility of the rat heart is modulated by changes in flow and α_1 -adrenoceptor stimulation. <i>Brazilian Journal of Medical and Biological Research</i> , 1998, 31, 1353-1359.	0.7	4
88	Chronic ouabain treatment increases the contribution of nitric oxide to endothelium-dependent relaxation. <i>Journal of Physiology and Biochemistry</i> , 2008, 64, 115-125.	1.3	4
89	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.	1.1	4
90	Enhanced Na ⁺ , K ⁺ -ATPase activity and endothelial modulation decrease phenylephrine-induced contraction in aorta from ouabain-treated normotensive and hypertensive rats. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2014, 18, 113-122.	0.3	3

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91	Atrial fibrillation promotion in a rat model of heart failure induced by left ventricle radiofrequency ablation. <i>IJC Heart and Vasculature</i> , 2018, 21, 22-28.	0.6	3
92	Vena cava presents endothelial dysfunction prior to thoracic aorta in heart failure: the pivotal role of nNOS uncoupling/oxidative stress. <i>Clinical Science</i> , 2021, 135, 2625-2641.	1.8	3
93	Cardioprotective effect of ornitho-kinin in an anesthetized, open-chest chicken model of acute coronary occlusion. <i>Brazilian Journal of Medical and Biological Research</i> , 2009, 42, 824-830.	0.7	2
94	Pancreatic islets isolated from β_2 adrenergic receptor knockout mice show reduced insulin secretion in response to nutrients - doi: 10.4025/actasciobiolsci.v35i3.15842. <i>Acta Scientiarum - Biological Sciences</i> , 2013, 35, .	0.3	0
95	PP.27.05. <i>Journal of Hypertension</i> , 2015, 33, e367.	0.3	0
96	ROSTAFUROXIN AMELIORATES THE INWARD REMODELING AND STIFFNESS IN RESISTANCE ARTERIES FROM DEOXYCORTICOSTERONE ACETATE-SALT HYPERTENSIVE RATS. <i>Journal of Hypertension</i> , 2018, 36, e292-e293.	0.3	0
97	ROSTAFUROXIN RESTORES THE INCREASED PERIVASCULAR INNERVATION IN RESISTANCE ARTERIES OF HYPERTENSIVE RATS. <i>Journal of Hypertension</i> , 2021, 39, e19.	0.3	0
98	Editorial: Vascular Adjustments in Cardiovascular Disorders. <i>Frontiers in Physiology</i> , 2021, 12, 777488.	1.3	0
99	EFFECTS OF ANABOLIC STEROIDS ON CARDIAC HYPERTROPHY, HEMODYNAMIC RESPONSES AND ANGIOTENSIN CONVERTING ENZYME ACTIVITY IN EXERCISE TRAINED RATS. <i>Journal of Hypertension</i> , 2004, 22, S72.	0.3	0
100	Dipeptidyl Peptidase IV Inhibition Attenuates Blood Pressure Rising in Young Spontaneously Hypertensive Rats (SHR). <i>FASEB Journal</i> , 2010, 24, 982.5.	0.2	0
101	Losartan attenuates cardiac remodeling but does not prevent vascular dysfunction in isoproterenol-treated rats. <i>FASEB Journal</i> , 2012, 26, 1093.7.	0.2	0
102	Simvastatin improves cardiovascular sympathetic modulation and endothelial function of resistance arteries from hypercholesterolemic mice. <i>FASEB Journal</i> , 2012, 26, 681.5.	0.2	0
103	Increment in nNOS and Akt pathway in coronary arteries post-myocardial infarction can prevent the onset of heart failure. <i>FASEB Journal</i> , 2012, 26, 866.5.	0.2	0
104	Exercise Training Prevents Skeletal Muscle Atrophy And Dysfunction In Hypertension Involving A Set Of MicroRNAs. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1086-1087.	0.2	0
105	EFFECT OF COMBINED PHYSICAL TRAINING ON VASCULAR REACTIVITY OF HEART FAILURE RATS. <i>FASEB Journal</i> , 2018, 32, 1b334.	0.2	0