Dalton V Vassallo

List of Publications by Year
in descending order

115	2,877	186209	233338
papers	citations	28 h-index	45 g-index

116	116	116	3789
all docs	docs citations	times ranked	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	Aerobic exercise reduces oxidative stress and improves vascular changes of small mesenteric and coronary arteries in hypertension. British Journal of Pharmacology, 2013, 168, 686-703.	2.7	119
3	Toll-Like Receptor 4 Upregulation by Angiotensin II Contributes to Hypertension and Vascular Dysfunction through Reactive Oxygen Species Production. PLoS ONE, 2014, 9, e104020.	1.1	94
4	Vasorelaxant effects of eugenol on rat thoracic aorta. Vascular Pharmacology, 2003, 40, 59-66.	1.0	84
5	Chronic Cadmium Treatment Promotes Oxidative Stress and Endothelial Damage in Isolated Rat Aorta. PLoS ONE, 2013, 8, e68418.	1.1	83
6	Alterations in phenylephrine-induced contractions and the vascular expression of Na+ ,K+ -ATPase in ouabain-induced hypertension. British Journal of Pharmacology, 2002, 135, 771-781.	2.7	66
7	Endothelial dysfunction of rat coronary arteries after exposure to low concentrations of mercury is dependent on reactive oxygen species. British Journal of Pharmacology, 2011, 162, 1819-1831.	2.7	64
8	Acute Lead Exposure Increases Arterial Pressure: Role of the Renin-Angiotensin System. PLoS ONE, 2011, 6, e18730.	1.1	59
9	Chronic Exposure to Low Doses of Mercury Impairs Sperm Quality and Induces Oxidative Stress in Rats. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 143-154.	1.1	58
10	Low-dose chronic lead exposure increases systolic arterial pressure and vascular reactivity of rat aortas. Free Radical Biology and Medicine, 2014, 67, 366-376.	1.3	53
11	Low-Level Lead Exposure Increases Systolic Arterial Pressure and Endothelium-Derived Vasodilator Factors in Rat Aortas. PLoS ONE, 2011, 6, e17117.	1.1	50
12	Time-dependent hyperreactivity to phenylephrine in aorta from untreated diabetic rats: role of prostanoids and calcium mobilization. Vascular Pharmacology, 2003, 40, 67-76.	1.0	48
13	Chronic Lead Exposure Increases Blood Pressure and Myocardial Contractility in Rats. PLoS ONE, 2014, 9, e96900.	1.1	48
14	Changes in vascular reactivity following administration of isoproterenol for 1 week: a role for endothelial modulation. British Journal of Pharmacology, 2006, 148, 629-639.	2.7	46
15	Mesenteric Resistance Arteries in Type 2 Diabetic db/db Mice Undergo Outward Remodeling. PLoS ONE, 2011, 6, e23337.	1.1	43
16	Ouabain-induced hypertension alters the participation of endothelial factors in Î± -adrenergic responses differently in rat resistance and conductance mesenteric arteries. British Journal of Pharmacology, 2004, 143, 215-225.	2.7	42
17	The ischemic rat heart releases S100B. Life Sciences, 2005, 77, 882-889.	2.0	42
18	Acute resistance exercise reduces blood pressure and vascular reactivity, and increases endothelium-dependent relaxation in spontaneously hypertensive rats. European Journal of Applied Physiology, 2010, 110, 359-366.	1.2	40

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19	Apocynin Prevents Vascular Effects Caused by Chronic Exposure to Low Concentrations of Mercury. PLoS ONE, 2013, 8, e55806.	1.1	40
20	Aluminum exposure at human dietary levels promotes vascular dysfunction and increases blood pressure in rats: A concerted action of NAD(P)H oxidase and COX-2. Toxicology, 2017, 390, 10-21.	2.0	37
21	Ouabain Changes Arterial Blood Pressure and Vascular Reactivity to Phenylephrine in l-NAMEâ€“Induced Hypertension. Journal of Cardiovascular Pharmacology, 2003, 41, 105-116.	0.8	36
22	Low nanomolar concentration of mercury chloride increases vascular reactivity to phenylephrine and local angiotensin production in rats. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2008, 147, 252-260.	1.3	34
23	Aluminum Exposure at Human Dietary Levels for 60 Days Reaches a Threshold Sufficient to Promote Memory Impairment in Rats. Neurotoxicity Research, 2017, 31, 20-30.	1.3	33
24	Low Mercury Concentration Produces Vasoconstriction, Decreases Nitric Oxide Bioavailability and Increases Oxidative Stress in Rat Conductance Artery. PLoS ONE, 2012, 7, e49005.	1.1	33
25	Stonefish antivenom neutralises the inflammatory and cardiovascular effects induced by scorpionfish Scorpaena plumieri venom. Toxicon, 2011, 57, 992-999.	0.8	32
26	Aluminum exposure for 60 days at human dietary levels impairs spermatogenesis and sperm quality in rats. Reproductive Toxicology, 2017, 73, 128-141.	1.3	31
27	60-Day Chronic Exposure to Low Concentrations of HgCl2 Impairs Sperm Quality: Hormonal Imbalance and Oxidative Stress as Potential Routes for Reproductive Dysfunction in Rats. PLoS ONE, 2014, 9, e111202.	1.1	31
28	MAPK pathway activation by chronic lead-exposure increases vascular reactivity through oxidative stress/cyclooxygenase-2-dependent pathways. Toxicology and Applied Pharmacology, 2015, 283, 127-138.	1.3	30
29	Egg white-derived peptides prevent cardiovascular disorders induced by mercury in rats: Role of angiotensin-converting enzyme (ACE) and NADPH oxidase. Toxicology Letters, 2017, 281, 158-174.	0.4	30
30	Spironolactone Prevents Endothelial Nitric Oxide Synthase Uncoupling and Vascular Dysfunction Induced by Î²-Adrenergic Overstimulation. Hypertension, 2016, 68, 726-735.	1.3	29
31	Myocardial Contractile Dysfunction Induced by Ovariectomy Requires AT1Receptor Activation in Female Rats. Cellular Physiology and Biochemistry, 2012, 30, 1-12.	1.1	28
32	Low-level Chronic Lead Exposure Impairs Neural Control of Blood Pressure and Heart Rate in Rats. Cardiovascular Toxicology, 2017, 17, 190-199.	1.1	28
33	Ameliorative effects of egg white hydrolysate on recognition memory impairments associated with chronic exposure to low mercury concentration. Neurochemistry International, 2016, 101, 30-37.	1.9	27
34	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.	2.0	26
35	Effects of Eugenol, an Essential Oil, on the Mechanical and Electrical Activities of Cardiac Muscle. Journal of Cardiovascular Pharmacology, 2004, 44, 688-695.	0.8	26
36	Moderate exercise training promotes adaptations in coronary blood flow and adenosine production in normotensive rats. Clinics, 2011, 66, 2105-2111.	0.6	26

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37	Carvedilol Prevents Ovariectomy-Induced Myocardial Contractile Dysfunction in Female Rat. PLoS ONE, 2013, 8, e53226.	1.1	26
38	Sex differences in the regulation of spatially distinct cardiac mitochondrial subpopulations. Molecular and Cellular Biochemistry, 2016, 419, 41-51.	1.4	26
39	Neurogenic nitric oxide release increases in mesenteric arteries from ouabain hypertensive rats. Journal of Hypertension, 2004, 22, 949-957.	0.3	25
40	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.	2.0	25
41	Tributyltin contributes in reducing the vascular reactivity to phenylephrine in isolated aortic rings from female rats. Toxicology Letters, 2014, 225, 378-385.	0.4	25
42	Mercury leads to features of polycystic ovary syndrome in rats. Toxicology Letters, 2019, 312, 45-54.	0.4	25
43	Cardiovascular adaptive responses in rats submitted to moderate resistance training. European Journal of Applied Physiology, 2008, 103, 605-613.	1.2	24
44	Exposure to low mercury concentration in vivo impairs myocardial contractile function. Toxicology and Applied Pharmacology, 2011, 255, 193-199.	1.3	24
45	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.	1.7	23
46	Myocardial contractility is preserved early but reduced late after ovariectomy in young female rats. Reproductive Biology and Endocrinology, 2011, 9, 54.	1.4	23
47	Exposure to a Low Lead Concentration Impairs Contractile Machinery in Rat Cardiac Muscle. Biological Trace Element Research, 2015, 167, 280-287.	1.9	23
48	Post-Weaning Protein Malnutrition Increases Blood Pressure and Induces Endothelial Dysfunctions in Rats. PLoS ONE, 2012, 7, e34876.	1.1	23
49	Differences in Tail Vascular Bed Reactivity in Rats with and without Heart Failure following Myocardial Infarction. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 1321-1325.	1.3	22
50	Molecular and biochemical characterization of a cytolysin from the Scorpaena plumieri (scorpionfish) venom: Evidence of pore formation on erythrocyte cell membrane. Toxicon, 2013, 74, 92-100.	0.8	22
51	Egg white-derived peptides prevent male reproductive dysfunction induced by mercury in rats. Food and Chemical Toxicology, 2017, 100, 253-264.	1.8	22
52	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.	0.5	20
53	Chronic exposure to low mercury chloride concentration induces object recognition and aversive memories deficits in rats. International Journal of Developmental Neuroscience, 2013, 31, 468-472.	0.7	20
54	Tributyltin chloride disrupts aortic vascular reactivity and increases reactive oxygen species production in female rats. Environmental Science and Pollution Research, 2017, 24, 24509-24520.	2.7	20

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55	Chronic HgCl2 treatment increases vasoconstriction induced by electrical field stimulation: role of adrenergic and nitrergic innervation. Clinical Science, 2011, 121, 331-341.	1.8	19
56	Activation of K+ channels and Na+/K+ ATPase prevents aortic endothelial dysfunction in 7-day lead-treated rats. Toxicology and Applied Pharmacology, 2012, 262, 22-31.	1.3	19
57	Egg white hydrolysate promotes neuroprotection for neuropathic disorders induced by chronic exposure to low concentrations of mercury. Brain Research, 2016, 1646, 482-489.	1.1	19
58	Aluminum exposure for 60 days at an equivalent human dietary level promotes peripheral dysfunction in rats. Journal of Inorganic Biochemistry, 2018, 181, 169-176.	1.5	19
59	Reproductive dysfunction after mercury exposure at low levels: evidence for a role of glutathione peroxidase (GPx) 1 and GPx4 in male rats. Reproduction, Fertility and Development, 2017, 29, 1803.	0.1	18
60	The Superoxide Dismutase Mimetic, Tempol, Reduces the Bioavailability of Nitric Oxide and does not Alter L-NAME-Induced Hypertension in Rats. Basic and Clinical Pharmacology and Toxicology, 2005, 97, 29-34.	1.2	17
61	SERCA-2a is involved in the right ventricular function following myocardial infarction in rats. Life Sciences, 2015, 124, 24-30.	2.0	17
62	Tributyltin chloride increases phenylephrine-induced contraction and vascular stiffness in mesenteric resistance arteries from female rats. Toxicology and Applied Pharmacology, 2016, 295, 26-36.	1.3	17
63	Reactive oxygen species impair the excitation-contraction coupling of papillary muscles after acute exposure to a high copper concentration. Toxicology in Vitro, 2018, 51, 106-113.	1.1	17
64	Activation of BKCa channels by nitric oxide prevents coronary artery endothelial dysfunction in ouabain-induced hypertensive rats. Journal of Hypertension, 2009, 27, 83-91.	0.3	16
65	Egg White Hydrolysate as a functional food ingredient to prevent cognitive dysfunction in rats following long-term exposure to aluminum. Scientific Reports, 2019, 9, 1868.	1.6	16
66	Ouabain-induced hypertension enhances left ventricular contractility in rats. Life Sciences, 2006, 79, 1537-1545.	2.0	15
67	Na+K+-ATPase Activity and K+ Channels Differently Contribute to Vascular Relaxation in Male and Female Rats. PLoS ONE, 2014, 9, e106345.	1.1	15
68	Oxidative Stress and Antioxidant Strategies in Cardiovascular Disease. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-2.	1.9	15
69	Ouabain treatment changes the role of endothelial factors in rat resistance arteries. European Journal of Pharmacology, 2008, 600, 110-116.	1.7	14
70	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.	0.9	14
71	Acute copper overload induces vascular dysfunction in aortic rings due to endothelial oxidative stress and increased nitric oxide production. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 218-228.	1.1	14
72	Soybean oil increases SERCA2a expression and left ventricular contractility in rats without change in arterial blood pressure. Lipids in Health and Disease, 2010, 9, 53.	1.2	13

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73	Body Weight Loss After Myocardial Infarction in Rats as a Marker of Early Heart Failure Development. Archives of Medical Research, 2011, 42, 274-280.	1.5	13
74	In vitro fructose exposure overactivates NADPH oxidase and causes oxidative stress in the isolated rat aorta. Toxicology in Vitro, 2015, 29, 2030-2037.	1.1	13
75	Aluminum exposure for one hour decreases vascular reactivity in conductance and resistance arteries in rats. Toxicology and Applied Pharmacology, 2016, 313, 109-118.	1.3	13
76	The cessation of the long-term exposure to low doses of mercury ameliorates the increase in systolic blood pressure and vascular damage in rats. Environmental Research, 2017, 155, 182-192.	3.7	13
77	Sub-chronic lead exposure produces Î²1-adrenoceptor downregulation decreasing arterial pressure reactivity in rats. Life Sciences, 2017, 180, 93-101.	2.0	12
78	Resposta da pressÃ£o arterial ao esforÃ§o em adolescentes: influÃªncia do sobrepeso e obesidade. Arquivos Brasileiros De Cardiologia, 2008, 91, 25-30.	0.3	12
79	Flaxseed oil increases aortic reactivity to phenylephrine through reactive oxygen species and the cyclooxygenase-2 pathway in rats. Lipids in Health and Disease, 2014, 13, 107.	1.2	11
80	Acute Cadmium Exposure Reduces the Local Angiotensin I Converting Enzyme Activity and Increases the Tissue Metal Content. Biological Trace Element Research, 2015, 166, 149-156.	1.9	11
81	Cardiovascular effects of Sp-CTx, a cytolysin from the scorpionfish (Scorpaena plumieri) venom. Toxicon, 2016, 118, 141-148.	0.8	11
82	Cerebrovascular endothelial dysfunction induced by mercury exposure at low concentrations. NeuroToxicology, 2016, 53, 282-289.	1.4	11
83	Effects of small concentrations of mercury on the contractile activity of the rat ventricular myocardium. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2003, 134, 375-383.	1.3	10
84	Influence of Ovariectomy in the Right Ventricular Contractility in Heart Failure Rats. Archives of Medical Research, 2007, 38, 170-175.	1.5	10
85	Chronic Lead Exposure Decreases the Vascular Reactivity of Rat Aortas: The Role of Hydrogen Peroxide. PLoS ONE, 2015, 10, e0120965.	1.1	10
86	Estrogen regulates spatially distinct cardiac mitochondrial subpopulations. Mitochondrion, 2017, 35, 87-96.	1.6	10
87	Mercury-induced vascular dysfunction is mediated by angiotensin II AT-1 receptor upregulation. Environmental Research, 2018, 162, 287-296.	3.7	10
88	Mercury at environmental relevant levels affects spermatozoa function and fertility capacity in bovine sperm. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2019, 82, 268-278.	1.1	10
89	Effects of Inducible Nitric Oxide Synthase Inhibition on the Rat Tail Vascular Bed Reactivity Three Days After Myocardium Infarction. Journal of Cardiovascular Pharmacology, 2005, 45, 321-326.	0.8	9
90	Impaired participation of potassium channels and Na⁺/K⁺â€<scp>ATP</scp>ase in vasodilatation due to reduced nitric oxide bioavailability in rats exposed to mercury. Basic and Clinical Pharmacology and Toxicology, 2019, 124, 190-198.	1.2	9

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91	Long-term Mercury Exposure Accelerates the Development of Hypertension in Prehypertensive Spontaneously Hypertensive Rats Inducing Endothelial Dysfunction: the Role of Oxidative Stress and Cyclooxygenase-2. Biological Trace Element Research, 2020, 196, 565-578.	1.9	9
92	Xanthine Oxidase Activation Modulates the Endothelial (Vascular) Dysfunction Related to HgCl2 Exposure Plus Myocardial Infarction in Rats. Cardiovascular Toxicology, 2018, 18, 161-174.	1.1	9
93	Preliminary Studies of Acute Cadmium Administration Effects on the Calcium-Activated Potassium (SKCa and BKCa) Channels and Na+/K+-ATPase Activity in Isolated Aortic Rings of Rats. Biological Trace Element Research, 2018, 183, 325-334.	1.9	8
94	Bioactive Peptides and Hydrolysates from Egg Proteins as a New Tool for Protection Against Cardiovascular Problems. Current Pharmaceutical Design, 2020, 26, 3676-3683.	0.9	8
95	Ouabain Induces Nitric Oxide Release by a PI3K/Akt-dependent Pathway in Isolated Aortic Rings From Rats With Heart Failure. Journal of Cardiovascular Pharmacology, 2015, 65, 28-38.	0.8	7
96	Sulforaphane improves oxidative status without attenuating the inflammatory response or cardiac impairment induced by ischemiaâ€“reperfusion in rats. Canadian Journal of Physiology and Pharmacology, 2016, 94, 508-516.	0.7	7
97	Mercury induces nuclear estrogen receptors to act as vasoconstrictors promoting endothelial denudation via the PI3K/Akt signaling pathway. Toxicology and Applied Pharmacology, 2019, 381, 114710.	1.3	7
98	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.	0.8	7
99	Small doses of mercury increase arterial pressure reactivity to phenylephrine in rats. Environmental Toxicology and Pharmacology, 2007, 24, 92-97.	2.0	6
100	Low-dose ouabain administration increases Na+,K+-ATPase activity and reduces cardiac force development in rats. Pharmacological Reports, 2015, 67, 253-259.	1.5	6
101	Vascular activation of K+ channels and Na+-K+ ATPase activity of estrogen-deficient female rats. Vascular Pharmacology, 2017, 99, 23-33.	1.0	6
102	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.	0.8	5
103	Maternal protein restriction compromises myocardial contractility in the young adult rat by changing proteins involved in calcium handling. Journal of Applied Physiology, 2016, 120, 344-350.	1.2	5
104	Estudo comparativo experimental da proteÃ§Ã£o miocÃ¡rdica com soluÃ§Ãµes cristalÃ³ides para transplante cardÃaco. Brazilian Journal of Cardiovascular Surgery, 2012, 27, 110-116.	0.2	5
105	CHRONIC OUABAIN TREATMENT ENHANCES CARDIAC MYOSIN ATPase ACTIVITY IN RATS. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 801-806.	0.9	4
106	High salt intake does not produce additional impairment in the coronary artery relaxation of spontaneously hypertensive aged rats. Food and Chemical Toxicology, 2013, 58, 193-197.	1.8	4
107	Tension cost correlates with mechanical and biochemical parameters in different myocardial contractility conditions. Clinics, 2012, 67, 489-496.	0.6	4
108	Chronic mercury exposure induces oxidative stress in female rats by endothelial nitric oxide synthase uncoupling and cyclooxygenaseâ€2 activation, without affecting oestrogen receptor function. Basic and Clinical Pharmacology and Toxicology, 2021, 129, 470-485.	1.2	3

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109	Chronic Exposure to Low Doses of HgCl2 Avoids Calcium Handling Impairment in the Right Ventricle after Myocardial Infarction in Rats. PLoS ONE, 2014, 9, e95639.	1.1	3
110	Treatment with high dose of atorvastatin reduces vascular injury in diabetic rats. Pharmacological Reports, 2016, 68, 865-873.	1.5	2
111	Blood Pressure Decreases Following Lead Treatment Cessation: Highest NO Bioavailability Involved. Biological Trace Element Research, 2016, 170, 410-414.	1.9	2
112	Changes in the renal function after acute mercuric chloride exposure in the rat are associated with renal vascular endothelial dysfunction and proximal tubule NHE3 inhibition. Toxicology Letters, 2021, 341, 23-32.	0.4	2
113	Myocardial Depression Produced by Unilateral Nephrectomy in Rats. Clinical and Experimental Hypertension, 1990, 12, 597-616.	0.3	1
114	Post-weaning protein malnutrition induces myocardial dysfunction associated with oxidative stress and altered calcium handling proteins in adult rats. Journal of Physiology and Biochemistry, 2021, 77, 261-272.	1.3	1
115	Small concentrations of mercury enhances positive inotropic effects in the rat ventricular myocardium. Environmental Toxicology and Pharmacology, 2005, 20, 22-25.	2.0	0