

Dalton V Vassallo

List of Publications by Year in descending order

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115
papers

2,877
citations

186209

28
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233338

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116
docs citations

116
times ranked

3789
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-weaning protein malnutrition induces myocardial dysfunction associated with oxidative stress and altered calcium handling proteins in adult rats. <i>Journal of Physiology and Biochemistry</i> , 2021, 77, 261-272.	1.3	1
2	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. <i>Toxicology Letters</i> , 2021, 341, 23-32.	0.4	2
3	Chronic mercury exposure induces oxidative stress in female rats by endothelial nitric oxide synthase uncoupling and cyclooxygenase-2 activation, without affecting oestrogen receptor function. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 129, 470-485.	1.2	3
4	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. <i>Biological Trace Element Research</i> , 2020, 196, 565-578.	1.9	9
5	Bioactive Peptides and Hydrolysates from Egg Proteins as a New Tool for Protection Against Cardiovascular Problems. <i>Current Pharmaceutical Design</i> , 2020, 26, 3676-3683.	0.9	8
6	Impaired participation of potassium channels and Na ⁺ /K ⁺ -ATPase in vasodilatation due to reduced nitric oxide bioavailability in rats exposed to mercury. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 124, 190-198.	1.2	9
7	Mercury induces nuclear estrogen receptors to act as vasoconstrictors promoting endothelial denudation via the PI3K/Akt signaling pathway. <i>Toxicology and Applied Pharmacology</i> , 2019, 381, 114710.	1.3	7
8	Mercury leads to features of polycystic ovary syndrome in rats. <i>Toxicology Letters</i> , 2019, 312, 45-54.	0.4	25
9	Mercury at environmental relevant levels affects spermatozoa function and fertility capacity in bovine sperm. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019, 82, 268-278.	1.1	10
10	Egg White Hydrolysate as a functional food ingredient to prevent cognitive dysfunction in rats following long-term exposure to aluminum. <i>Scientific Reports</i> , 2019, 9, 1868.	1.6	16
11	Mercury-induced vascular dysfunction is mediated by angiotensin II AT-1 receptor upregulation. <i>Environmental Research</i> , 2018, 162, 287-296.	3.7	10
12	Acute copper overload induces vascular dysfunction in aortic rings due to endothelial oxidative stress and increased nitric oxide production. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 218-228.	1.1	14
13	Aluminum exposure for 60 days at an equivalent human dietary level promotes peripheral dysfunction in rats. <i>Journal of Inorganic Biochemistry</i> , 2018, 181, 169-176.	1.5	19
14	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. <i>Biological Trace Element Research</i> , 2018, 183, 325-334.	1.9	8
15	Reactive oxygen species impair the excitation-contraction coupling of papillary muscles after acute exposure to a high copper concentration. <i>Toxicology in Vitro</i> , 2018, 51, 106-113.	1.1	17
16	Xanthine Oxidase Activation Modulates the Endothelial (Vascular) Dysfunction Related to HgCl ₂ Exposure Plus Myocardial Infarction in Rats. <i>Cardiovascular Toxicology</i> , 2018, 18, 161-174.	1.1	9
17	Low-level Chronic Lead Exposure Impairs Neural Control of Blood Pressure and Heart Rate in Rats. <i>Cardiovascular Toxicology</i> , 2017, 17, 190-199.	1.1	28
18	Sub-chronic lead exposure produces β ²¹ -adrenoceptor downregulation decreasing arterial pressure reactivity in rats. <i>Life Sciences</i> , 2017, 180, 93-101.	2.0	12

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19	Estrogen regulates spatially distinct cardiac mitochondrial subpopulations. <i>Mitochondrion</i> , 2017, 35, 87-96.	1.6	10
20	The cessation of the long-term exposure to low doses of mercury ameliorates the increase in systolic blood pressure and vascular damage in rats. <i>Environmental Research</i> , 2017, 155, 182-192.	3.7	13
21	Reproductive dysfunction after mercury exposure at low levels: evidence for a role of glutathione peroxidase (GPx) 1 and GPx4 in male rats. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1803.	0.1	18
22	Egg white-derived peptides prevent male reproductive dysfunction induced by mercury in rats. <i>Food and Chemical Toxicology</i> , 2017, 100, 253-264.	1.8	22
23	Egg white-derived peptides prevent cardiovascular disorders induced by mercury in rats: Role of angiotensin-converting enzyme (ACE) and NADPH oxidase. <i>Toxicology Letters</i> , 2017, 281, 158-174.	0.4	30
24	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. <i>Toxicology</i> , 2017, 390, 10-21.	2.0	37
25	Vascular activation of K ⁺ channels and Na ⁺ -K ⁺ ATPase activity of estrogen-deficient female rats. <i>Vascular Pharmacology</i> , 2017, 99, 23-33.	1.0	6
26	Tributyltin chloride disrupts aortic vascular reactivity and increases reactive oxygen species production in female rats. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24509-24520.	2.7	20
27	Aluminum exposure for 60 days at human dietary levels impairs spermatogenesis and sperm quality in rats. <i>Reproductive Toxicology</i> , 2017, 73, 128-141.	1.3	31
28	Aluminum Exposure at Human Dietary Levels for 60 Days Reaches a Threshold Sufficient to Promote Memory Impairment in Rats. <i>Neurotoxicity Research</i> , 2017, 31, 20-30.	1.3	33
29	Egg white hydrolysate promotes neuroprotection for neuropathic disorders induced by chronic exposure to low concentrations of mercury. <i>Brain Research</i> , 2016, 1646, 482-489.	1.1	19
30	Sex differences in the regulation of spatially distinct cardiac mitochondrial subpopulations. <i>Molecular and Cellular Biochemistry</i> , 2016, 419, 41-51.	1.4	26
31	Treatment with high dose of atorvastatin reduces vascular injury in diabetic rats. <i>Pharmacological Reports</i> , 2016, 68, 865-873.	1.5	2
32	Aluminum exposure for one hour decreases vascular reactivity in conductance and resistance arteries in rats. <i>Toxicology and Applied Pharmacology</i> , 2016, 313, 109-118.	1.3	13
33	Cardiovascular effects of Sp-CTx, a cytolyisin from the scorpionfish (<i>Scorpaena plumieri</i>) venom. <i>Toxicon</i> , 2016, 118, 141-148.	0.8	11
34	Cerebrovascular endothelial dysfunction induced by mercury exposure at low concentrations. <i>NeuroToxicology</i> , 2016, 53, 282-289.	1.4	11
35	Tributyltin chloride increases phenylephrine-induced contraction and vascular stiffness in mesenteric resistance arteries from female rats. <i>Toxicology and Applied Pharmacology</i> , 2016, 295, 26-36.	1.3	17
36	Ameliorative effects of egg white hydrolysate on recognition memory impairments associated with chronic exposure to low mercury concentration. <i>Neurochemistry International</i> , 2016, 101, 30-37.	1.9	27

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37	Spironolactone Prevents Endothelial Nitric Oxide Synthase Uncoupling and Vascular Dysfunction Induced by \hat{I}^2 -Adrenergic Overstimulation. <i>Hypertension</i> , 2016, 68, 726-735.	1.3	29
38	Maternal protein restriction compromises myocardial contractility in the young adult rat by changing proteins involved in calcium handling. <i>Journal of Applied Physiology</i> , 2016, 120, 344-350.	1.2	5
39	Blood Pressure Decreases Following Lead Treatment Cessation: Highest NO Bioavailability Involved. <i>Biological Trace Element Research</i> , 2016, 170, 410-414.	1.9	2
40	Sulforaphane improves oxidative status without attenuating the inflammatory response or cardiac impairment induced by ischemiaâ€“reperfusion in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 508-516.	0.7	7
41	Chronic Lead Exposure Decreases the Vascular Reactivity of Rat Aortas: The Role of Hydrogen Peroxide. <i>PLoS ONE</i> , 2015, 10, e0120965.	1.1	10
42	MAPK pathway activation by chronic lead-exposure increases vascular reactivity through oxidative stress/cyclooxygenase-2-dependent pathways. <i>Toxicology and Applied Pharmacology</i> , 2015, 283, 127-138.	1.3	30
43	SERCA-2a is involved in the right ventricular function following myocardial infarction in rats. <i>Life Sciences</i> , 2015, 124, 24-30.	2.0	17
44	Exposure to a Low Lead Concentration Impairs Contractile Machinery in Rat Cardiac Muscle. <i>Biological Trace Element Research</i> , 2015, 167, 280-287.	1.9	23
45	Acute Cadmium Exposure Reduces the Local Angiotensin I Converting Enzyme Activity and Increases the Tissue Metal Content. <i>Biological Trace Element Research</i> , 2015, 166, 149-156.	1.9	11
46	Ouabain Induces Nitric Oxide Release by a PI3K/Akt-dependent Pathway in Isolated Aortic Rings From Rats With Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 28-38.	0.8	7
47	In vitro fructose exposure overactivates NADPH oxidase and causes oxidative stress in the isolated rat aorta. <i>Toxicology in Vitro</i> , 2015, 29, 2030-2037.	1.1	13
48	Low-dose ouabain administration increases Na^+ , K^+ -ATPase activity and reduces cardiac force development in rats. <i>Pharmacological Reports</i> , 2015, 67, 253-259.	1.5	6
49	Chronic Lead Exposure Increases Blood Pressure and Myocardial Contractility in Rats. <i>PLoS ONE</i> , 2014, 9, e96900.	1.1	48
50	Toll-Like Receptor 4 Upregulation by Angiotensin II Contributes to Hypertension and Vascular Dysfunction through Reactive Oxygen Species Production. <i>PLoS ONE</i> , 2014, 9, e104020.	1.1	94
51	Na^+ K^+ -ATPase Activity and K^+ Channels Differently Contribute to Vascular Relaxation in Male and Female Rats. <i>PLoS ONE</i> , 2014, 9, e106345.	1.1	15
52	Chronic Exposure to Low Doses of Mercury Impairs Sperm Quality and Induces Oxidative Stress in Rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 143-154.	1.1	58
53	Flaxseed oil increases aortic reactivity to phenylephrine through reactive oxygen species and the cyclooxygenase-2 pathway in rats. <i>Lipids in Health and Disease</i> , 2014, 13, 107.	1.2	11
54	Oxidative Stress and Antioxidant Strategies in Cardiovascular Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-2.	1.9	15

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55	Low-dose chronic lead exposure increases systolic arterial pressure and vascular reactivity of rat aortas. <i>Free Radical Biology and Medicine</i> , 2014, 67, 366-376.	1.3	53
56	Tributyltin contributes in reducing the vascular reactivity to phenylephrine in isolated aortic rings from female rats. <i>Toxicology Letters</i> , 2014, 225, 378-385.	0.4	25
57	Chronic Exposure to Low Doses of HgCl ₂ Avoids Calcium Handling Impairment in the Right Ventricle after Myocardial Infarction in Rats. <i>PLoS ONE</i> , 2014, 9, e95639.	1.1	3
58	60-Day Chronic Exposure to Low Concentrations of HgCl ₂ Impairs Sperm Quality: Hormonal Imbalance and Oxidative Stress as Potential Routes for Reproductive Dysfunction in Rats. <i>PLoS ONE</i> , 2014, 9, e111202.	1.1	31
59	High salt intake does not produce additional impairment in the coronary artery relaxation of spontaneously hypertensive aged rats. <i>Food and Chemical Toxicology</i> , 2013, 58, 193-197.	1.8	4
60	Molecular and biochemical characterization of a cytolyisin from the <i>Scorpaena plumieri</i> (scorpionfish) venom: Evidence of pore formation on erythrocyte cell membrane. <i>Toxicon</i> , 2013, 74, 92-100.	0.8	22
61	Chronic exposure to low mercury chloride concentration induces object recognition and aversive memories deficits in rats. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 468-472.	0.7	20
62	Aerobic exercise reduces oxidative stress and improves vascular changes of small mesenteric and coronary arteries in hypertension. <i>British Journal of Pharmacology</i> , 2013, 168, 686-703.	2.7	119
63	Apocynin Prevents Vascular Effects Caused by Chronic Exposure to Low Concentrations of Mercury. <i>PLoS ONE</i> , 2013, 8, e55806.	1.1	40
64	Carvedilol Prevents Ovariectomy-Induced Myocardial Contractile Dysfunction in Female Rat. <i>PLoS ONE</i> , 2013, 8, e53226.	1.1	26
65	Chronic Cadmium Treatment Promotes Oxidative Stress and Endothelial Damage in Isolated Rat Aorta. <i>PLoS ONE</i> , 2013, 8, e68418.	1.1	83
66	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
67	Myocardial Contractile Dysfunction Induced by Ovariectomy Requires AT ₁ Receptor Activation in Female Rats. <i>Cellular Physiology and Biochemistry</i> , 2012, 30, 1-12.	1.1	28
68	Spironolactone prevents alterations associated with cardiac hypertrophy produced by isoproterenol in rats: involvement of serum- and glucocorticoid-inducible kinase type 1. <i>Experimental Physiology</i> , 2012, 97, 710-718.	0.9	14
69	Activation of K ⁺ channels and Na ⁺ /K ⁺ ATPase prevents aortic endothelial dysfunction in 7-day lead-treated rats. <i>Toxicology and Applied Pharmacology</i> , 2012, 262, 22-31.	1.3	19
70	Post-Weaning Protein Malnutrition Increases Blood Pressure and Induces Endothelial Dysfunctions in Rats. <i>PLoS ONE</i> , 2012, 7, e34876.	1.1	23
71	Low Mercury Concentration Produces Vasoconstriction, Decreases Nitric Oxide Bioavailability and Increases Oxidative Stress in Rat Conductance Artery. <i>PLoS ONE</i> , 2012, 7, e49005.	1.1	33
72	Estudo comparativo experimental da proteólise miofibrilar com soluções cristalinas para transplante cardíaco. <i>Brazilian Journal of Cardiovascular Surgery</i> , 2012, 27, 110-116.	0.2	5

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73	Tension cost correlates with mechanical and biochemical parameters in different myocardial contractility conditions. <i>Clinics</i> , 2012, 67, 489-496.	0.6	4
74	Stonefish antivenom neutralises the inflammatory and cardiovascular effects induced by scorpionfish <i>Scorpaena plumieri</i> venom. <i>Toxicon</i> , 2011, 57, 992-999.	0.8	32
75	Moderate exercise training promotes adaptations in coronary blood flow and adenosine production in normotensive rats. <i>Clinics</i> , 2011, 66, 2105-2111.	0.6	26
76	Acute Lead Exposure Increases Arterial Pressure: Role of the Renin-Angiotensin System. <i>PLoS ONE</i> , 2011, 6, e18730.	1.1	59
77	Mesenteric Resistance Arteries in Type 2 Diabetic db/db Mice Undergo Outward Remodeling. <i>PLoS ONE</i> , 2011, 6, e23337.	1.1	43
78	Chronic HgCl ₂ treatment increases vasoconstriction induced by electrical field stimulation: role of adrenergic and nitrenergic innervation. <i>Clinical Science</i> , 2011, 121, 331-341.	1.8	19
79	Endothelial dysfunction of rat coronary arteries after exposure to low concentrations of mercury is dependent on reactive oxygen species. <i>British Journal of Pharmacology</i> , 2011, 162, 1819-1831.	2.7	64
80	Exposure to low mercury concentration in vivo impairs myocardial contractile function. <i>Toxicology and Applied Pharmacology</i> , 2011, 255, 193-199.	1.3	24
81	Body Weight Loss After Myocardial Infarction in Rats as a Marker of Early Heart Failure Development. <i>Archives of Medical Research</i> , 2011, 42, 274-280.	1.5	13
82	Myocardial contractility is preserved early but reduced late after ovariectomy in young female rats. <i>Reproductive Biology and Endocrinology</i> , 2011, 9, 54.	1.4	23
83	Low-Level Lead Exposure Increases Systolic Arterial Pressure and Endothelium-Derived Vasodilator Factors in Rat Aortas. <i>PLoS ONE</i> , 2011, 6, e17117.	1.1	50
84	Acute resistance exercise reduces blood pressure and vascular reactivity, and increases endothelium-dependent relaxation in spontaneously hypertensive rats. <i>European Journal of Applied Physiology</i> , 2010, 110, 359-366.	1.2	40
85	Soybean oil increases SERCA2a expression and left ventricular contractility in rats without change in arterial blood pressure. <i>Lipids in Health and Disease</i> , 2010, 9, 53.	1.2	13
86	Activation of BKCa channels by nitric oxide prevents coronary artery endothelial dysfunction in ouabain-induced hypertensive rats. <i>Journal of Hypertension</i> , 2009, 27, 83-91.	0.3	16
87	Cardiovascular adaptive responses in rats submitted to moderate resistance training. <i>European Journal of Applied Physiology</i> , 2008, 103, 605-613.	1.2	24
88	CHRONIC OUABAIN TREATMENT ENHANCES CARDIAC MYOSIN ATPase ACTIVITY IN RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008, 35, 801-806.	0.9	4
89	Ouabain treatment changes the role of endothelial factors in rat resistance arteries. <i>European Journal of Pharmacology</i> , 2008, 600, 110-116.	1.7	14
90	Low nanomolar concentration of mercury chloride increases vascular reactivity to phenylephrine and local angiotensin production in rats. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 147, 252-260.	1.3	34

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91	Resposta da pressão arterial ao esforço em adolescentes: influência do sobrepeso e obesidade. Arquivos Brasileiros De Cardiologia, 2008, 91, 25-30.	0.3	12
92	Small doses of mercury increase arterial pressure reactivity to phenylephrine in rats. Environmental Toxicology and Pharmacology, 2007, 24, 92-97.	2.0	6
93	Influence of Ovariectomy in the Right Ventricular Contractility in Heart Failure Rats. Archives of Medical Research, 2007, 38, 170-175.	1.5	10
94	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
95	Ouabain-induced hypertension enhances left ventricular contractility in rats. Life Sciences, 2006, 79, 1537-1545.	2.0	15
96	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
97	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
98	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
99	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
100	The ischemic rat heart releases S100B. Life Sciences, 2005, 77, 882-889.	2.0	42
101	Small concentrations of mercury enhances positive inotropic effects in the rat ventricular myocardium. Environmental Toxicology and Pharmacology, 2005, 20, 22-25.	2.0	0
102	Ouabain-induced hypertension alters the participation of endothelial factors in β -adrenergic responses differently in rat resistance and conductance mesenteric arteries. British Journal of Pharmacology, 2004, 143, 215-225.	2.7	42
103	Neurogenic nitric oxide release increases in mesenteric arteries from ouabain hypertensive rats. Journal of Hypertension, 2004, 22, 949-957.	0.3	25
104	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
105	Vasorelaxant effects of eugenol on rat thoracic aorta. Vascular Pharmacology, 2003, 40, 59-66.	1.0	84
106	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
107	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
108	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

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109	Ouabain Changes Arterial Blood Pressure and Vascular Reactivity to Phenylephrine in I-NAME-Induced Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2003, 41, 105-116.	0.8	36
110	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
111	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
112	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
113	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
114	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
115	Myocardial Depression Produced by Unilateral Nephrectomy in Rats. <i>Clinical and Experimental Hypertension</i> , 1990, 12, 597-616.	0.3	1