Leonard F Arnolda

List of Publications by Citations

119 papers	2,943 citations	32 h-index	49 g-index
127 ext. papers	3,318 ext. citations	4.7 avg, IF	4.49 L-index

#	Paper	IF	Citations
119	Physical training improves skeletal muscle metabolism in patients with chronic heart failure. *Journal of the American College of Cardiology*, **1993**, 21, 1101-6	15.1	299
118	Guideline for the diagnosis and management of hypertension in adults - 2016. *Medical Journal of Australia*, **2016**, 205, 85-9	4	155
117	Cognitive and brain changes associated with ischaemic heart disease and heart failure. *European Heart Journal*, **2012**, 33, 1769-76	9.5	96
116	Close appositions between tyrosine hydroxylase immunoreactive boutons and respiratory neurons in the rat ventrolateral medulla. *Journal of Comparative Neurology*, **1994**, 340, 1-10	3.4	68
115	Temporal relationship between renal cyst development, hypertension and cardiac hypertrophy in a new rat model of autosomal recessive polycystic kidney disease. *Kidney and Blood Pressure Research* , **2007**, 30, 129-44	3.1	66
114	Homocysteine or renal impairment: which is the real cardiovascular risk factor?. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2008**, 28, 1158-64	9.4	62
113	Adriamycin cardiomyopathy in the rabbit: an animal model of low output cardiac failure with activation of vasoconstrictor mechanisms. *Cardiovascular Research*, **1985**, 19, 378-82	9.9	62
112	Altered c-fos in rostral medulla and spinal cord of spontaneously hypertensive rats. *Hypertension*, **1996**, 27, 433-41	8.5	61
111	Prolonged alveolocapillary barrier damage after acute cardiogenic pulmonary edema. *Critical Care Medicine*, **2003**, 31, 1060-7	1.4	60
110	Ultrasound settings significantly alter arterial lumen and wall thickness measurements. *Cardiovascular Ultrasound*, **2008**, 6, 6	2.4	59
109	Abnormalities in exercising skeletal muscle in congestive heart failure can be explained in terms of decreased mitochondrial ATP synthesis, reduced metabolic efficiency, and increased glycogenolysis. *Heart*, **1996**, 76, 35-41	5.1	57
108	Anti-tumour necrosis factor-alpha therapy over conventional therapy improves endothelial function in adults with rheumatoid arthritis. *Rheumatology International*, **2006**, 26, 1125-31	3.6	54
107	The one hundred percent hypothesis: glutamate or GABA in synapses on sympathetic preganglionic neurons. *Clinical and Experimental Hypertension*, **1995**, 17, 323-33	2.2	54
106	Rates of Attrition and Dropout in App-Based Interventions for Chronic Disease: Systematic Review and Meta-Analysis. *Journal of Medical Internet Research*, **2020**, 22, e20283	7.6	51
105	Regulator of G-protein signaling 5 controls blood pressure homeostasis and vessel wall remodeling. *Circulation Research*, **2013**, 112, 781-91	15.7	49
104	Angiotensin-converting enzyme inhibitors in the treatment of hypertension. *Drugs*, **1984**, 27, 271-7	12.1	49
103	B□zinger neurons project towards bulbospinal neurons in the rostral ventrolateral medulla of the rat. *Journal of Comparative Neurology*, **1997**, 388, 23-31	3.4	48

102	c-fos identifies GABA-synthesizing barosensitive neurons in caudal ventrolateral medulla. *NeuroReport*, **1997**, 8, 3015-21	1.7	44
101	Contributors to cognitive impairment in congestive heart failure: a pilot case-control study. *Internal Medicine Journal*, **2009**, 39, 600-5	1.6	43
100	The effect of long-term homocysteine-lowering on carotid intima-media thickness and flow-mediated vasodilation in stroke patients: a randomized controlled trial and meta-analysis. *BMC Cardiovascular Disorders*, **2008**, 8, 24	2.3	43
99	Plasma surfactant protein-B: a novel biomarker in chronic heart failure. *Circulation*, **2004**, 110, 1091-6	16.7	43
98	Skeletal muscle metabolism in heart failure: a 31P nuclear magnetic resonance spectroscopy study of leg muscle. *Clinical Science*, **1990**, 79, 583-9	6.5	43
97	Vasoconstrictor role for vasopressin in experimental heart failure in the rabbit. *Journal of Clinical Investigation*, **1986**, 78, 674-9	15.9	42
96	Ablate and pace strategy for atrial fibrillation: long-term outcome of AIRCRAFT trial. *Europace*, **2007**, 9, 498-505	3.9	41
95	Tracer-toxins: cholera toxin B-saporin as a model. *Journal of Neuroscience Methods*, **2000**, 103, 83-90	3	40
94	Diastolic function is a strong predictor of mortality in patients with chronic kidney disease. *BMC Nephrology*, **2013**, 14, 280	2.7	36
93	Brain and mood changes over 2 years in healthy controls and adults with heart failure and ischaemic heart disease. *European Journal of Heart Failure*, **2013**, 15, 850-8	12.3	34
92	Detection of familial hypercholesterolaemia: a major treatment gap in preventative cardiology. *Heart Lung and Circulation*, **2008**, 17, 411-3	1.8	34
91	Regulator of G protein signaling 5 is a determinant of gestational hypertension and preeclampsia. *Science Translational Medicine*, **2015**, 7, 290ra88	17.5	33
90	Carotid intima-medial thickness measured on multiple ultrasound frames: evaluation of a DICOM-based software system. *Cardiovascular Ultrasound*, **2007**, 5, 29	2.4	33
89	GABA- and glutamate-immunoreactive synapses on sympathetic preganglionic neurons projecting to the superior cervical ganglion. *Journal of the Autonomic Nervous System*, **1998**, 71, 96-110		32
88	Retrogradely transported CTB-saporin kills sympathetic preganglionic neurons. *NeuroReport*, **1999**, 10, 307-12	1.7	32
87	Disinhibition of the rostral ventral medulla increases blood pressure and Fos expression in bulbospinal neurons. *Brain Research*, **1994**, 646, 44-52	3.7	32
86	Two-year course of cognitive function and mood in adults with congestive heart failure and coronary artery disease: the Heart-Mind Study. *International Psychogeriatrics*, **2012**, 24, 38-47	3.4	31
85	Effect of long-term homocysteine reduction with B vitamins on arterial wall inflammation assessed by fluorodeoxyglucose positron emission tomography: a randomised double-blind, placebo-controlled trial. *Cerebrovascular Diseases*, **2009**, 27, 259-65	3.2	31

84	Effects of training resumption on conduit arterial diameter in elite rowers. *Medicine and Science in Sports and Exercise*, **2006**, 38, 86-92	1.2	31
83	Reduced ventricular flow propagation velocity in elite athletes is augmented with the resumption of exercise training. *Journal of Physiology*, **2005**, 563, 957-63	3.9	31
82	Intracellular recording from sympathetic preganglionic neurons in cat lumbar spinal cord. *Brain Research*, **1994**, 656, 319-28	3.7	31
81	Unique levels of expression of N-methyl-D-aspartate receptor subunits and neuronal nitric oxide synthase in the rostral ventrolateral medulla of the spontaneously hypertensive rat. *Molecular Brain Research*, **2004**, 129, 33-43		30
80	Projections from inspiratory neurons of the ventral respiratory group to the subretrofacial nucleus of the cat. *Brain Research*, **1994**, 633, 63-71	3.7	29
79	C-fos expression in central neurons mediating the arterial baroreceptor reflex. *Clinical and Experimental Hypertension*, **1997**, 19, 631-43	2.2	27
78	Central neurons and neurotransmitters in the control of blood pressure. *Clinical and Experimental Pharmacology and Physiology*, **1994**, 21, 819-29	3	25
77	Enalapril reduces the catecholamine response to exercise in patients with heart failure. *European Journal of Clinical Pharmacology*, **1986**, 30, 485-7	2.8	25
76	A pilot study examining the effects of low-volume high-intensity interval training and continuous low to moderate intensity training on quality of life, functional capacity and cardiovascular risk factors in cancer survivors. *PeerJ*, **2016**, 4, e2613	3.1	25
75	Trends in long-term cardiovascular mortality and morbidity in men and women with heart failure of ischemic versus non-ischemic aetiology in Western Australia between 1990 and 2005. *International Journal of Cardiology*, **2012**, 158, 405-10	3.2	24
74	Bulbospinal sympatho-excitatory neurons in the rat caudal raphe. *Journal of Hypertension*, **1995**, 13, 1618-1623	1.9	24
73	Neurokinin-1 receptor-immunoreactive sympathetic preganglionic neurons: target specificity and ultrastructure. *Neuroscience*, **1997**, 77, 1137-49	3.9	23
72	Coronary heart disease is associated with regional grey matter volume loss: implications for cognitive function and behaviour. *Internal Medicine Journal*, **2008**, 38, 599-606	1.6	23
71	AMPA/kainate receptors mediate sympathetic chemoreceptor reflex in the rostral ventrolateral medulla. *Brain Research*, **1996**, 726, 64-68	3.7	23
70	Evidence for increased in vivo Na(+)-H+ antiporter activity and an altered skeletal muscle contractile response in the spontaneously hypertensive rat. *Journal of Hypertension*, **1990**, 8, 1027-36	1.9	23
69	Acute amphetamine cardiomyopathy in a drug addict. *Clinical Cardiology*, **1983**, 6, 189-91	3.3	23
68	Neurochemistry of nerve fibers apposing sympathetic preganglionic neurons activated by sustained hypotension. *Journal of Comparative Neurology*, **2002**, 449, 307-18	3.4	22
67	Amino acid neurotransmitters in the central control of blood pressure and in experimental hypertension. *Journal of Hypertension*, **1992**, 10, S39	1.9	21

66	The time course of haemodynamic, autonomic and skeletal muscle metabolic abnormalities following first extensive myocardial infarction in man. *Journal of Molecular and Cellular Cardiology*, **1999**, 31, 1913-26	5.8	18
65	Thyrotropin-releasing hormone immunoreactive boutons form close appositions with medullary expiratory neurons in the rat. *Brain Research*, **1996**, 715, 136-44	3.7	18
64	Guideline for the diagnosis and management of hypertension in adults - 2016. *Medical Journal of Australia*, **2017**, 206, 141	4	17
63	Amino acid neurotransmitters in the central control of blood pressure and in experimental hypertension. *Journal of Hypertension*, **1992**, 10, S27???38	1.9	17
62	Neutralizing the pathological effects of extracellular histones with small polyanions. *Nature Communications*, **2020**, 11, 6408	17.4	17
61	Antisense to thyrotropin releasing hormone receptor reduces arterial blood pressure in spontaneously hypertensive rats. *Circulation Research*, **1995**, 77, 679-83	15.7	16
60	Circulating surfactant protein-B levels increase acutely in response to exercise-induced left ventricular dysfunction. *Clinical and Experimental Pharmacology and Physiology*, **2005**, 32, 622-7	3	14
59	Respiratory inputs to central cardiovascular neurons. *Annals of the New York Academy of Sciences*, **1996**, 783, 64-70	6.5	14
58	Homocysteine, grey matter and cognitive function in adults with cardiovascular disease. *PLoS ONE*, **2012**, 7, e33345	3.7	13
57	Nitric oxide limits pressor responses to sympathetic activation in rat spinal cord. *Hypertension*, **2000**, 36, 1089-92	8.5	13
56	Neuropeptide Y mRNA expression in interneurons in rat spinal cord. *Autonomic Neuroscience: Basic and Clinical*, **2001**, 93, 14-20	2.4	13
55	Ventricular beta-adrenoceptors in adriamycin-induced cardiomyopathy in the rabbit. *Journal of Molecular and Cellular Cardiology*, **1988**, 20, 771-7	5.8	13
54	Mechanism for hypotensive action of angiotensin converting enzyme inhibitors. *Clinical and Experimental Hypertension*, **1984**, 6, 551-61		13
53	Phosphate-activated glutaminase immunoreactivity in brainstem respiratory neurons. *Journal of the Autonomic Nervous System*, **1997**, 63, 85-90		12
52	Infarct-induced chronic heart failure increases bidirectional protein movement across the alveolocapillary barrier. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 284, H2136-45	5.2	12
51	Neurokinin-1 receptors and spinal cord control of blood pressure in spontaneously hypertensive rats. *Brain Research*, **1999**, 815, 116-20	3.7	12
50	Evaluation of angiotensin converting enzyme (ACE) in the pharmacokinetics and pharmacodynamics of ACE inhibitors. *Journal of Cardiovascular Pharmacology*, **1986**, 8 Suppl 1, S9-14	3.1	12
49	Hypotension is associated with diuretic resistance in severe chronic heart failure, independent of renal function. *European Journal of Heart Failure*, **2005**, 7, 888-91	12.3	11

48	Immediate early genes in blood pressure regulation. *Clinical and Experimental Hypertension*, **1996**, 18, 279-90	2.2	11
47	Vasopressin and angiotensin II contribute equally to the increased afterload in rabbits with heart failure. *Cardiovascular Research*, **1991**, 25, 68-72	9.9	11
46	Distinct subpopulations of cyclic guanosine monophosphate (cGMP) and neuronal nitric oxide synthase (nNOS) containing sympathetic preganglionic neurons in spontaneously hypertensive and Wistar-Kyoto rats. *Journal of Comparative Neurology*, **2006**, 497, 566-74	3.4	10
45	Substance P and serotonergic inputs to sympathetic preganglionic neurons. *Clinical and Experimental Hypertension*, **1995**, 17, 335-44	2.2	10
44	Role of spinal GABA receptors in depressor responses to chemical stimulation of the A5 area in normal and hypertensive rats. *Journal of the Autonomic Nervous System*, **1997**, 66, 53-61		9
43	Neurokinin-1 receptor immunoreactivity in hypotension sensitive sympathetic preganglionic neurons. *Brain Research*, **2001**, 915, 238-43	3.7	9
42	Animal models of heart failure. *Australian and New Zealand Journal of Medicine*, **1999**, 29, 403-9		9
41	Role of vasopressin in experimental congestive cardiac failure. *Journal of Cardiovascular Pharmacology*, **1986**, 8 Suppl 7, S96-100	3.1	9
40	Responses of vasoactive hormones in congestive cardiac failure. *Canadian Journal of Physiology and Pharmacology*, **1987**, 65, 1706-11	2.4	9
39	Atrial Fibrillation Is Associated With Syncope and Falls in Older Adults: A Systematic Review and Meta-analysis. *Mayo Clinic Proceedings*, **2020**, 95, 676-687	6.4	9
38	Lacidipine, hydrochlorothiazide and their combination in systolic hypertension in the elderly. *Journal of Hypertension*, **1997**, 15, 1503-10	1.9	8
37	Intrathecal cGMP elicits pressor responses and maintains mean blood pressure during haemorrhage in anaesthetized rats. *Journal of Physiology*, **2007**, 581, 543-52	3.9	8
36	Vasomotor responses to decreased venous return: effects of cardiac deafferentation in humans. *Journal of Physiology*, **2004**, 560, 919-27	3.9	8
35	c-fos expression in central cardiovascular pathways. *Clinical and Experimental Hypertension*, **1995**, 17, 67-79	2.2	8
34	Glutathione transferase M2 variants inhibit ryanodine receptor function in adult mouse cardiomyocytes. *Biochemical Pharmacology*, **2015**, 97, 269-80	6	7
33	Changes in oxygen tension affect cardiac mitochondrial respiration rate via changes in the rate of mitochondrial hydrogen peroxide production. *Journal of Molecular and Cellular Cardiology*, **2009**, 47, 49-56	5.8	7
32	Cutaneous vasoconstriction with alerting stimuli in rabbits reflects a patterned redistribution of cardiac output. *Clinical and Experimental Pharmacology and Physiology*, **1998**, 25, 457-60	3	7
31	Candesartan and hydrochlorothiazide in isolated systolic hypertension. *Blood Pressure*, **2003**, 12, 246-54	1.7	7

30	Central control mechanisms in hypertension. *Australian and New Zealand Journal of Medicine*, **1997**, 27, 474-8		5
29	Lowering blood pressure in 2003. *Medical Journal of Australia*, **2003**, 179, 306-312	4	5
28	Tachycardia after glutamate injection in rat spinal cord is not blocked by kynurenate or mimicked by metabotropic agonists. *Clinical and Experimental Pharmacology and Physiology*, **1996**, 23, 813-8	3	5
27	Clinical evidence of autonomic dysfunction due to atrial fibrillation: implications for rhythm control strategy. *Journal of Interventional Cardiac Electrophysiology*, **2019**, 54, 299-307	2.4	4
26	Immunohistochemical assessment of cyclic guanosine monophosphate (cGMP) and soluble guanylate cyclase (sGC) within the rostral ventrolateral medulla. *Journal of Biomedical Science*, **2008**, 15, 801-12	13.3	4
25	Effect of anaesthetic and rat strain on heart rate responses to simulated haemorrhage. *Acta Physiologica Scandinavica*, **2004**, 180, 29-38		4
24	Time of day and access to food alter water intake in rats after water deprivation. *Clinical and Experimental Pharmacology and Physiology*, **2001**, 28, 764-7	3	4
23	Usefulness of clinical assessment of the carotid pulse in the diagnosis of aortic stenosis. *American Journal of Cardiology*, **2004**, 93, 493-5	3	3
22	The catecholamine response to acute myocardial infarction: effect of early administration of sotalol. *Australian and New Zealand Journal of Medicine*, **1986**, 16, 658-64		3
21	Geographic location as a modifiable cardiac risk factor. *Cmaj*, **2017**, 189, E482-E483	3.5	2
20	Addressing the needs of clinical teachers: action research. *Clinical Teacher*, **2008**, 5, 148-153	1.1	2
19	Coronary artery baroreceptor-mediated changes in arterial pressure: a pilot study in conscious and anaesthetized sheep. *Clinical and Experimental Pharmacology and Physiology*, **2001**, 28, 768-72	3	2
18	A Comprehensive 6A Framework for Improving Patient Self-Management of Hypertension Using mHealth Services: Qualitative Thematic Analysis. *Journal of Medical Internet Research*, **2021**, 23, e25522	7.6	2
17	Systemic arterial inflammation, measured with 18FDG-PET, is common amongst subjects with both recent and prior cerebrovascular disease. *Clinical Neurology and Neurosurgery*, **2012**, 114, 613-6	2	1
16	Effect of transfer delay on left ventricular function after primary PCI for ST elevation myocardial infarction. *Heart Lung and Circulation*, **2012**, 21, 689-94	1.8	1
15	Systemic vascular function, measured with forearm flow mediated dilatation, in acute and stable cerebrovascular disease: a case-control study. *Cardiovascular Ultrasound*, **2010**, 8, 46	2.4	1
14	Inducible nitric oxide synthase and cardiac dysfunction in salt-sensitive hypertension. *Journal of Hypertension*, **2002**, 20, 2355-6	1.9	1
13	Atrial natriuretic peptide release in the rabbit is independent of cardiac nerve activity. *Clinical and Experimental Pharmacology and Physiology*, **1987**, 14, 695-702	3	1

12	Micro-CT scan with virtual dissection of left ventricle is a non-destructive, reproducible alternative to dissection and weighing for left ventricular size. *Scientific Reports*, **2020**, 10, 13853	4.9	1
11	Iodine staining outperforms phosphotungstic acid in high-resolution micro-CT scanning of post-natal mice cardiac structures. *Journal of Medical Imaging*, **2021**, 8, 027001	2.6	1
10	Multilevel modeling of geographic variation in general practice consultations. *Health Services Research*, **2021**, 56, 1252-1261	3.4	1
9	Autonomic Afferent Dysregulation in Atrial Fibrillation.. *JACC: Clinical Electrophysiology*, **2022**, 8, 152-164	4.6	0
8	Transient Loss of Ventricular Pacing Capture Caused by Vagal Induced Ventricular Refractoriness: A Novel Mechanism for Pacemaker Failure in Vasovagal Syncope. *Journal of Cardiovascular Electrophysiology*, **2016**, 27, 1114-5	2.7	
7	A personalised or procrustean approach to treating hypertension?. *Lancet, The*, **2017**, 390, 26-27	40	
6	Metabolic support for the heart?. *Clinical Science*, **2001**, 101, 581-582	6.5	
5	BK channels, baroreflex sensitivity and genetic markers. *Journal of Hypertension*, **2002**, 20, 825-7	1.9	
4	Effect of electrical stimulation of the sciatic nerve in anaesthetized rats on content of CGRP in rat skeletal muscle. *Biochemical Society Transactions*, **1991**, 19, 134S	5.1	
3	Effects of Exercise Training on Cardiovascular Function and Structure in Elite Athletes. *Medicine and Science in Sports and Exercise*, **2004**, 36, S330-S331	1.2	
2	When should treatment be started for hypertension?. *Australian Prescriber*, **2019**, 42, 180-181	1.4	
1	Marfan syndrome resulting from a rare pathogenic FBN1 variant, ascertained through a proband with IgG4-related arteriopathy. *American Journal of Medical Genetics, Part A*, **2021**, 185, 2180-2189	2.5	