M Ian Phillips

List of Publications by Year in Descending Order

128 papers	6,335 citations	44 h-index	77 g-index
131 ext. papers	6,685 ext. citations	7.1 avg, IF	5.39 L-index

#	Paper	IF	Citations
128	Novel low shear 3D bioreactor for high purity mesenchymal stem cell production. *PLoS ONE*, **2021**, 16, e0252575	3.7	2
127	Exercise training prevents obesity-associated disorders: Role of miRNA-208a and MED13. *Molecular and Cellular Endocrinology*, **2018**, 476, 148-154	4.4	8
126	Aerobic exercise training promotes physiological cardiac remodeling involving a set of microRNAs. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H543-52	5.2	91
125	The emergence of gene therapy for rare diseases. *Expert Opinion on Orphan Drugs*, **2014**, 2, 1197-1209	1.1	2
124	Tumor-free iPS stem cells for heart cells. *Cell Cycle*, **2014**, 13, 1519	4.7	2
123	Infrared fluorescent protein 1.4 genetic labeling tracks engrafted cardiac progenitor cells in mouse ischemic hearts. *PLoS ONE*, **2014**, 9, e107841	3.7	5
122	Is orphan drug pricing blowing a bubble? The unique situation of orphan drugs and why high prices will likely persist. *Expert Opinion on Orphan Drugs*, **2013**, 1, 675-679	1.1	1
121	Genetically reprogrammed, liver-derived insulin-producing cells are glucose-responsive, but susceptible to autoimmune destruction in settings of murine model of type 1 diabetes. *American Journal of Translational Research (discontinued)*, **2013**, 5, 184-99	3	12
120	Genetically Modified Stem Cells for Transplantation **2013**, 119-146		
119	Exercise training prevents the microvascular rarefaction in hypertension balancing angiogenic and apoptotic factors: role of microRNAs-16, -21, and -126. *Hypertension*, **2012**, 59, 513-20	8.5	113
118	Genetic modification of stem cells for cardiac, diabetic, and hemophilia transplantation therapies. *Progress in Molecular Biology and Translational Science*, **2012**, 111, 285-304	4	7
117	Human Stem Cell Therapy **2012**, 187-207		
116	Gene, stem cell, and future therapies for orphan diseases. *Clinical Pharmacology and Therapeutics*, **2012**, 92, 182-92	6.1	15
115	Swimming training in rats increases cardiac MicroRNA-126 expression and angiogenesis. *Medicine and Science in Sports and Exercise*, **2012**, 44, 1453-62	1.2	102
114	What the Orphan Drug Act has done lately for children with rare diseases: a 10-year analysis. *Pediatrics*, **2012**, 129, 516-21	7.4	36
113	LOX-1 and angiotensin receptors, and their interplay. *Cardiovascular Drugs and Therapy*, **2011**, 25, 401-17	3.9	34
112	Aerobic exercise training-induced left ventricular hypertrophy involves regulatory MicroRNAs, decreased angiotensin-converting enzyme-angiotensin ii, and synergistic regulation of angiotensin-converting enzyme 2-angiotensin (1-7). *Hypertension*, **2011**, 58, 182-9	8.5	161

111	Orphan products: an emerging trend in drug approvals. *Nature Reviews Drug Discovery*, **2010**, 9, 84	64.1	18
110	Therapies for inborn errors of metabolism: what has the orphan drug act delivered?. *Pediatrics*, **2010**, 126, 101-6	7.4	16
109	Gene Therapy Strategies: Constructing an AAV Trojan Horse **2010**, 283-306		
108	Hypoxic preconditioning enhances the benefit of cardiac progenitor cell therapy for treatment of myocardial infarction by inducing CXCR4 expression. *Circulation Research*, **2009**, 104, 1209-16	15.7	305
107	Stem cell therapy for heart failure: the science and current progress. *Future Cardiology*, **2008**, 4, 285-98	1.3	6
106	Brain renin angiotensin in disease. *Journal of Molecular Medicine*, **2008**, 86, 715-22	5.5	145
105	Genetic modification of stem cells for transplantation. *Advanced Drug Delivery Reviews*, **2008**, 60, 160-72	18.5	54
104	Efficient and persistent transduction of exocrine and endocrine pancreas by adeno-associated virus type 8. *Journal of Biomedical Science*, **2007**, 14, 585-94	13.3	25
103	A novel two-step procedure to expand cardiac Sca-1+ cells clonally. *Biochemical and Biophysical Research Communications*, **2007**, 359, 877-83	3.4	52
102	Mobilizing of haematopoietic stem cells to ischemic myocardium by plasmid mediated stromal-cell-derived factor-1alpha (SDF-1alpha) treatment. *Regulatory Peptides*, **2005**, 125, 1-8		57
101	Paracrine action enhances the effects of autologous mesenchymal stem cell transplantation on vascular regeneration in rat model of myocardial infarction. *Annals of Thoracic Surgery*, **2005**, 80, 229-36; discussion 236-7	2.7	343
100	Improved graft mesenchymal stem cell survival in ischemic heart with a hypoxia-regulated heme oxygenase-1 vector. *Journal of the American College of Cardiology*, **2005**, 46, 1339-50	15.1	346
99	Antisense Therapeutics **2005**, 003-010		
98	Gene therapy for hypertension: antisense inhibition of the renin-angiotensin system. *Methods in Molecular Medicine*, **2005**, 108, 363-79		3
97	A vigilant, hypoxia-regulated heme oxygenase-1 gene vector in the heart limits cardiac injury after ischemia-reperfusion in vivo. *Journal of Cardiovascular Pharmacology and Therapeutics*, **2005**, 10, 251-63	2.6	50
96	A Cre-loxP solution for defining the brain renin-angiotensin system. Focus on "Targeted viral delivery of Cre recombinase induces conditional gene deletion in cardiovascular circuits of the mouse brain". *Physiological Genomics*, **2004**, 18, 1-3	3.6	4
95	Protection from ischemic heart injury by a vigilant heme oxygenase-1 plasmid system. *Hypertension*, **2004**, 43, 746-51	8.5	70
94	Antisense Therapeutics **2004**,		1

93	Autologous mesenchymal stem cell transplantation induce VEGF and neovascularization in ischemic myocardium. *Regulatory Peptides*, **2004**, 117, 3-10		305
92	Expression of angiotensin type 1 and 2 receptors in brain after transient middle cerebral artery occlusion in rats. *Regulatory Peptides*, **2003**, 110, 241-7		47
91	Intracisternal administration of Angiotensin II AT1 receptor antisense oligodeoxynucleotides protects against cerebral ischemia in spontaneously hypertensive rats. *Regulatory Peptides*, **2003**, 111, 117-22		15
90	Antisense to epidermal growth factor receptor prevents the development of left ventricular hypertrophy. *Hypertension*, **2003**, 41, 824-9	8.5	57
89	Hypoxia inducible double plasmid system for myocardial ischemia gene therapy. *Hypertension*, **2002** , 39, 695-8	8.5	44
88	Vigilant vector: heart-specific promoter in an adeno-associated virus vector for cardioprotection. *Hypertension*, **2002**, 39, 651-5	8.5	87
87	Angiotensin II-induced cardiac hypertrophy and hypertension are attenuated by epidermal growth factor receptor antisense. *Circulation*, **2002**, 106, 909-12	16.7	142
86	Gene therapy for hypertension: the preclinical data. *Methods in Enzymology*, **2002**, 346, 3-13	1.7	6
85	Vigilant vectors: adeno-associated virus with a biosensor to switch on amplified therapeutic genes in specific tissues in life-threatening diseases. *Methods*, **2002**, 28, 259-66	4.6	32
84	The predominant role of brain angiotensinogen and angiotensin in environmentally induced hypertension. *Regulatory Peptides*, **2002**, 110, 25-32		14
83	Angiotensin II as a pro-inflammatory mediator. *Current Opinion in Investigational Drugs*, **2002**, 3, 569-77		93
82	Antisense inhibition of brain renin-angiotensin system decreased blood pressure in chronic 2-kidney, 1 clip hypertensive rats. *Hypertension*, **2001**, 37, 371-5	8.5	54
81	Attenuation of hypertension and heart hypertrophy by adeno-associated virus delivering angiotensinogen antisense. *Hypertension*, **2001**, 37, 376-80	8.5	55
80	Gene therapy for hypertension: sense and antisense strategies. *Expert Opinion on Biological Therapy* , **2001**, 1, 655-62	5.4	14
79	Angiotensin II AT(1A) receptor antisense lowers blood pressure in acute 2-kidney, 1-clip hypertension. *Hypertension*, **2001**, 38, 674-8	8.5	33
78	Gene therapy for hypertension: the preclinical data. *Hypertension*, **2001**, 38, 543-8	8.5	38
77	Antisense inhibition of the Renin-Angiotensin system. *Methods in Molecular Medicine*, **2001**, 51, 83-104		
76	Hypokalemia induces renal injury and alterations in vasoactive mediators that favor salt sensitivity. *American Journal of Physiology - Renal Physiology*, **2001**, 281, F620-9	4.3	79

75	Angiotensin II as a Mediator of Inflammation in Atherosclerosis **2001**, 113-127		
74	Designing antisense to inhibit the renin-angiotensin system **2000**, 212, 145-153		1
73	Antisense inhibition of beta(1)-adrenergic receptor mRNA in a single dose produces a profound and prolonged reduction in high blood pressure in spontaneously hypertensive rats. *Circulation*, **2000**, 101, 682-8	16.7	48
72	New beta-blocker: prolonged reduction in high blood pressure with beta(1) antisense oligodeoxynucleotides. *Hypertension*, **2000**, 35, 219-24	8.5	26
71	The potential role of antisense oligodeoxynucleotide therapy for cardiovascular disease. *Drugs*, **2000**, 60, 239-48	12.1	9
70	Designing antisense to inhibit the renin-angiotensin system **2000**, 145-153		
69	Intravenous angiotensinogen antisense in AAV-based vector decreases hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **1999**, 277, H2392-9	5.2	9
68	The Discovery of Renin 100 Years Ago. *Physiology*, **1999**, 14, 271-274	9.8	16
67	Sustained inhibition of angiotensin I-converting enzyme (ACE) expression and long-term antihypertensive action by virally mediated delivery of ACE antisense cDNA. *Circulation Research*, **1999**, 85, 614-22	15.7	31
66	Is gene therapy for hypertension possible?. *Hypertension*, **1999**, 33, 8-13	8.5	44
65	Antisense inhibition of AT1 receptor in vascular smooth muscle cells using adeno-associated virus-based vector. *Hypertension*, **1999**, 33, 354-9	8.5	26
64	NMR microscopyBeginnings and new directions. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **1999**, 9, 112-116	2.8	15
63	The effect of ouabain on water diffusion in the rat hippocampal slice measured by high resolution NMR imaging. *Magnetic Resonance in Medicine*, **1999**, 41, 137-42	4.4	85
62	MRI measurement of cell volume fraction in the perfused rat hippocampal slice. *Magnetic Resonance in Medicine*, **1999**, 42, 603-7	4.4	9
61	Reduction of cold-induced hypertension by antisense oligodeoxynucleotides to angiotensinogen mRNA and AT1-receptor mRNA in brain and blood. *Hypertension*, **1998**, 31, 1317-23	8.5	58
60	Myocardial angiotensin II receptor expression and ischemia-reperfusion injury. *Vascular Medicine*, **1998**, 3, 121-30	3.3	39
59	Increased angiotensin II type 1 receptor expression in hypercholesterolemic atherosclerosis in rabbits. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1998**, 18, 1433-9	9.4	116
58	Adeno-associated virus vector-mediated transgene integration into neurons and other nondividing cell targets. *Journal of Virology*, **1998**, 72, 5919-26	6.6	115

57	FUNCTION OF BRAIN ANGIOTENSIN IN HYPOVOLEMIA, REPRODUCTION, AND NEUROTRANSMISSION **1998**, 83-115		1
56	Gene therapy for neurologic disease: benchtop discoveries to bedside applications. 2. The bedside. *Journal of Child Neurology*, **1997**, 12, 77-84	2.5	2
55	Prolonged reduction of high blood pressure with an in vivo, nonpathogenic, adeno-associated viral vector delivery of AT1-R mRNA antisense. *Hypertension*, **1997**, 29, 374-80	8.5	83
54	Antisense inhibition and adeno-associated viral vector delivery for reducing hypertension. *Hypertension*, **1997**, 29, 177-87	8.5	80
53	Gene therapy for neurologic disease: benchtop discoveries to bedside applications. 1. The bench. *Journal of Child Neurology*, **1997**, 12, 1-12	2.5	6
52	MR microscopy of perfused brain slices. *Magnetic Resonance in Medicine*, **1997**, 38, 1012-5	4.4	30
51	Inhibition of hypertension by peripheral administration of antisense oligodeoxynucleotides. *Hypertension*, **1996**, 28, 147-51	8.5	40
50	Antisense oligonucleotides for in vivo studies of angiotensin receptors. *Advances in Experimental Medicine and Biology*, **1996**, 396, 79-92	3.6	3
49	Antisense inhibition of hypertension in the spontaneously hypertensive rat. *Hypertension*, **1995**, 25, 314-8	8.5	61
48	Brain angiotensin and the female reproductive cycle. *Advances in Experimental Medicine and Biology* , **1995**, 377, 357-70	3.6	8
47	Antisense inhibition of hypertension: a new strategy for renin-angiotensin candidate genes. *Kidney International*, **1994**, 46, 1554-6	9.9	63
46	Involvement of angiotensin receptor subtypes in osmotically induced release of vasopressin. *Brain Research*, **1994**, 637, 126-32	3.7	43
45	Angiotensin Receptor Stimulation of Transforming Growth Factor-□n Rat Skin and Wound Healing **1994**, 377-396		11
44	Dopamine receptor agonists and antagonists both inhibit dopamine secretion in LLC-PK1 cells. *European Journal of Pharmacology*, **1993**, 240, 277-82	5.3	1
43	Immunohistochemical mapping of angiotensin AT1 receptors in the brain. *Regulatory Peptides*, **1993** , 44, 95-107		126
42	Levels of angiotensin and molecular biology of the tissue renin angiotensin systems. *Regulatory Peptides*, **1993**, 43, 1-20		262
41	Antisense inhibition of AT1 receptor mRNA and angiotensinogen mRNA in the brain of spontaneously hypertensive rats reduces hypertension of neurogenic origin. *Regulatory Peptides*, **1993**, 49, 167-74		189
40	Tooth Loss and Hypertension in the Spontaneously Hypertensive Rat.. *Hypertension Research*, **1993**, 16, 203-208	4.7	

39	The effect of chronic bilateral nephrectomy on plasma and brain angiotensin. *Journal of Hypertension*, **1992**, 10, 29-36	1.9	24
38	Alterations of lymphocyte populations during development in the spontaneously hypertensive rat. *Journal of Hypertension*, **1992**, 10, 629???634	1.9	13
37	Angiotensin II receptor subtypes play opposite roles in regulating phosphatidylinositol hydrolysis in rat skin slices. *Biochemical and Biophysical Research Communications*, **1992**, 186, 285-92	3.4	36
36	The role of angiotensin, AT1 and AT2 receptors in the pressor, drinking and vasopressin responses to central angiotensin. *Brain Research*, **1992**, 586, 289-94	3.7	145
35	An Appetite: Sodium Hunger . The Search for a Salty Taste. Jay Schulkin. Cambridge University Press, New York, 1992. xii, 192 pp., illus. $54.95.. *Science*, **1992**, 256, 1574-1575	33.3	
34	An Appetite: Sodium Hunger . The Search for a Salty Taste. Jay Schulkin. Cambridge University Press, New York, 1992. xii, 192 pp., illus. $54.95.. *Science*, **1992**, 256, 1574-1575	33.3	
33	Measurement of Brain Peptides: Angiotensin and Atrial Natriuretic Peptide in Tissue and Cell Culture. *Methods in Neurosciences*, **1991**, 6, 177-206		11
32	Dopamine synthesis and release in LLC-PK1 cells. *European Journal of Pharmacology*, **1990**, 189, 423-6		16
31	Metabolism of angiotensin peptides by neuronal and glial cultures from rat brain. *Journal of Neurochemistry*, **1989**, 52, 863-8	6	16
30	Alpha 2-adrenergic receptors in neuronal and glial cultures: characterization and comparison. *Journal of Neurochemistry*, **1989**, 53, 287-96	6	19
29	Biosynthesis of angiotensinogen and angiotensins by brain cells in primary culture. *Journal of Neurochemistry*, **1988**, 51, 398-405	6	21
28	Brain angiotensin in the developing spontaneously hypertensive rat. *Journal of Hypertension*, **1988**, 6, 607-12	1.9	71
27	Immunocytochemical and biochemical characterization of angiotensin I and II in cultured neuronal and glial cells from rat brain. *Neuroendocrinology*, **1988**, 47, 125-32	5.6	41
26	Insulin in the Brain: A Feedback Loop Involving Brain Insulin and Circumventricular Organs **1987**, 163-175		4
25	Converting Enzyme Inhibitors and Brain Angiotensin. *Journal of Cardiovascular Pharmacology*, **1986**, 8, S75-90	3.1	11
24	A biphasic excitatory response of hippocampal neurons to gonadotropin-releasing hormone. *Neuroendocrinology*, **1986**, 44, 137-41	5.6	31
23	Central and Peripheral Actions of Angiotensin II **1986**, 385-441		1
22	A role for central angiotensin in regulation of blood pressure at the nucleus tractus solitarius. *Clinical and Experimental Hypertension*, **1984**, 6, 1933-7		6

21	Saralasin increases activity of hippocampal neurons inhibited by angiotensin II. *Brain Research*, **1984**, 323, 345-8	3.7	37
20	Insulin inhibits pyramidal neurons in hippocampal slices. *Brain Research*, **1984**, 309, 187-91	3.7	147
19	Angiotensin and Drinking: A Model for the Study of Peptide Action in the Brain **1984**, 423-462		2
18	Angiotensin II stimulates changes in the norepinephrine content of primary cultures of rat brain. *Neuroscience Letters*, **1983**, 36, 305-9	3.3	26
17	Rat brain cells in primary culture: visualization and measurement of catecholamines. *Brain Research*, **1983**, 264, 267-75	3.7	34
16	Peptides and Blood Vessels **1983**, 815-835		2
15	Identification of insulin receptor-containing cells in primary cultures of rat brain. *Cellular and Molecular Neurobiology*, **1982**, 2, 47-52	4.6	39
14	Studies on the presence of angiotensin II in rat brain. *Journal of Neurochemistry*, **1982**, 38, 816-20	6	32
13	Rat brain cells in primary culture: characterization of angiotensin II binding sites. *Brain Research*, **1981**, 207, 343-55	3.7	50
12	Immunoreactivity for an angiotensin II-like peptide in the human brain. *Brain Research*, **1981**, 205, 212-8	3.7	41
11	Angiotensin II responsive cells in the organum vasculosum lamina terminalis (OVLT) recorded in hypothalamic brain slices. *Brain Research*, **1980**, 197, 256-9	3.7	58
10	The central and peripheral effects of Captopril (SQ 14225) on the arterial pressure of the spontaneously hypertensive rat. *Brain Research*, **1980**, 186, 499-503	3.7	80
9	Inhibitory effects of luteinizing hormone releasing hormone (LH-RH) on neurons in the organum vasculosum lamina terminalis (OVLT). *Brain Research*, **1979**, 169, 204-8	3.7	42
8	Lowering of hypertension by central saralasin in the absence of plasma renin. *Nature*, **1977**, 270, 445-7	50.4	168
7	Angiotensin-induced drinking in rats with hereditary hypothalamic diabetes insipidus. *Neuroscience Letters*, **1977**, 4, 327-30	3.3	9
6	Evidence for direct neuronal stimulation by intraventricular angiotensin II. *Brain Research*, **1977**, 126, 376-81	3.7	12
5	Independent receptors for pressor and drinking responses to central injections of angiotensin II and carbachol. *Brain Research*, **1977**, 124, 305-15	3.7	25
4	SENSITIVE SITES IN THE BRAIN FOR THE BLOOD PRESSURE AND DRINKING RESPONSES TO ANGIOTENSIN II **1977**, 325-356		12

3	Specific angiotensin II receptive neurons in the cat subfornical organ. *Brain Research*, **1976**, 109, 531-40	3.7	121
2	A pressor response to intraventricular injections of carbachol. *Brain Research*, **1976**, 105, 157-62	3.7	42
1	Effect of cortisol on unit activity in freely moving rats. *Brain Research*, **1971**, 25, 651-5	3.7	16