M Ian Phillips

List of Publications by Year
in descending order

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126 papers	7,169 citations	50170 46 h-index	56606 83 g-index
131 all docs	131 docs citations	131 times ranked	5856 citing authors

#	Article	IF	Citations
1	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, 229-237.	0.7	378
2	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, 1339-1350.	1.2	377
3	Hypoxic Preconditioning Enhances the Benefit of Cardiac Progenitor Cell Therapy for Treatment of Myocardial Infarction by Inducing CXCR4 Expression. Circulation Research, 2009, 104, 1209-1216.	2.0	344
4	Autologous mesenchymal stem cell transplantation induce VEGF and neovascularization in ischemic myocardium. Regulatory Peptides, 2004, 117, 3-10.	1.9	338
5	Levels of angiotensin and molecular biology of the tissue renin angiotensin systems. Regulatory Peptides, 1993, 43, 1-20.	1.9	294
6	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, 167-174.	1.9	208
7	Aerobic Exercise Trainingâ€“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, 182-189.	1.3	197
8	Lowering of hypertension by central saralasin in the absence of plasma renin. Nature, 1977, 270, 445-447.	13.7	182
9	Insulin inhibits pyramidal neurons in hippocampal slices. Brain Research, 1984, 309, 187-191.	1.1	170
10	Angiotensin IIâ€“Induced Cardiac Hypertrophy and Hypertension Are Attenuated by Epidermal Growth Factor Receptor Antisense. Circulation, 2002, 106, 909-912.	1.6	166
11	Brain renin angiotensin in disease. Journal of Molecular Medicine, 2008, 86, 715-722.	1.7	163
12	The role of angiotensin, AT1 and AT2 receptors in the pressor, drinking and vasopressin responses to central angiotensin. Brain Research, 1992, 586, 289-294.	1.1	150
13	Exercise Training Prevents the Microvascular Rarefaction in Hypertension Balancing Angiogenic and Apoptotic Factors. Hypertension, 2012, 59, 513-520.	1.3	142
14	Immunohistochemical mapping of angiotensin AT1 receptors in the brain. Regulatory Peptides, 1993, 44, 95-107.	1.9	138
15	Adeno-Associated Virus Vector-Mediated Transgene Integration into Neurons and Other Nondividing Cell Targets. Journal of Virology, 1998, 72, 5919-5926.	1.5	131
16	Increased Angiotensin II Type 1 Receptor Expression in Hypercholesterolemic Atherosclerosis in Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 1433-1439.	1.1	129
17	Swimming Training in Rats Increases Cardiac MicroRNA-126 Expression and Angiogenesis. Medicine and Science in Sports and Exercise, 2012, 44, 1453-1462.	0.2	126
18	Specific angiotensin II receptive neurons in the cat subfornical organ. Brain Research, 1976, 109, 531-540.	1.1	125

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19	Aerobic exercise training promotes physiological cardiac remodeling involving a set of microRNAs. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H543-H552.	1.5	119
20	Angiotensin II as a pro-inflammatory mediator. Current Opinion in Investigational Drugs, 2002, 3, 569-77.	2.3	99
21	Hypokalemia induces renal injury and alterations in vasoactive mediators that favor salt sensitivity. American Journal of Physiology - Renal Physiology, 2001, 281, F620-F629.	1.3	97
22	Prolonged Reduction of High Blood Pressure With an In Vivo, Nonpathogenic, Adeno-Associated Viral Vector Delivery of AT1-R mRNA Antisense. Hypertension, 1997, 29, 374-378.	1.3	95
23	Vigilant Vector: Heart-Specific Promoter in an Adeno-Associated Virus Vector for Cardioprotection. Hypertension, 2002, 39, 651-655.	1.3	95
24	The effect of ouabain on water diffusion in the rat hippocampal slice measured by high resolution NMR imaging. Magnetic Resonance in Medicine, 1999, 41, 137-142.	1.9	90
25	Antisense Inhibition and Adeno-Associated Viral Vector Delivery for Reducing Hypertension. Hypertension, 1997, 29, 177-187.	1.3	87
26	The central and peripheral effects of Captopril (SQ 14225) on the arterial pressure of the spontaneously hypertensive rat. Brain Research, 1980, 186, 499-503.	1.1	83
27	Brain angiotensin in the developing spontaneously hypertensive rat. Journal of Hypertension, 1988, 6, 607-612.	0.3	79
28	Antisense inhibition of hypertension: A new strategy for renin-angiotensin candidate genes. Kidney International, 1994, 46, 1554-1556.	2.6	76
29	Protection From Ischemic Heart Injury by a Vigilant Heme Oxygenase-1 Plasmid System. Hypertension, 2004, 43, 746-751.	1.3	76
30	Antisense Inhibition of Hypertension in the Spontaneously Hypertensive Rat. Hypertension, 1995, 25, 314-319.	1.3	71
31	Antisense to Epidermal Growth Factor Receptor Prevents the Development of Left Ventricular Hypertrophy. Hypertension, 2003, 41, 824-829.	1.3	69
32	Genetic modification of stem cells for transplantation. Advanced Drug Delivery Reviews, 2008, 60, 160-172.	6.6	68
33	Attenuation of Hypertension and Heart Hypertrophy by Adeno-Associated Virus Delivering Angiotensinogen Antisense. Hypertension, 2001, 37, 376-380.	1.3	66
34	Mobilizing of haematopoietic stem cells to ischemic myocardium by plasmid-mediated stromal-cell-derived factor-1Î± treatment. Regulatory Peptides, 2005, 125, 1-8.	1.9	64
35	Angiotensin II responsive cells in the organum vasculosum lamina terminalis (OVLT) recorded in hypothalamic brain slices. Brain Research, 1980, 197, 256-259.	1.1	63
36	Reduction of Cold-Induced Hypertension by Antisense Oligodeoxynucleotides to Angiotensinogen mRNA and AT1-Receptor mRNA in Brain and Blood. Hypertension, 1998, 31, 1317-1323.	1.3	62

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37	Antisense Inhibition of Brain Renin-Angiotensin System Decreased Blood Pressure in Chronic 2-Kidney, 1 Clip Hypertensive Rats. Hypertension, 2001, 37, 371-375.	1.3	62
38	A novel two-step procedure to expand cardiac Sca-1+ cells clonally. Biochemical and Biophysical Research Communications, 2007, 359, 877-883.	1.0	58
39	Antisense Inhibition of Î² 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, 682-688.	1.6	56
40	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, 251-263.	1.0	55
41	Rat brain cells in primary culture: Characterization of angiotensin II binding sites. Brain Research, 1981, 207, 343-355.	1.1	52
42	Inhibition of Hypertension by Peripheral Administration of Antisense Oligodeoxynucleotides. Hypertension, 1996, 28, 147-151.	1.3	52
43	Expression of angiotensin type 1 and 2 receptors in brain after transient middle cerebral artery occlusion in rats. Regulatory Peptides, 2003, 110, 241-247.	1.9	51
44	Is Gene Therapy for Hypertension Possible?. Hypertension, 1999, 33, 8-13.	1.3	49
45	Involvement of angiotensin receptor subtypes in osmotically induced release of vasopressin. Brain Research, 1994, 637, 126-132.	1.1	48
46	A pressor response to intraventricular injections of carbachol. Brain Research, 1976, 105, 157-162.	1.1	47
47	Gene Therapy for Hypertension. Hypertension, 2001, 38, 543-548.	1.3	47
48	Immunocytochemical and Biochemical Characterization of Angiotensin I and II in Cultured Neuronal and Glial Cells from Rat Brain. Neuroendocrinology, 1988, 47, 125-132.	1.2	45
49	Myocardial angiotensin II receptor expression and ischemia-reperfusion injury. Vascular Medicine, 1998, 3, 121-130.	0.8	45
50	Hypoxia Inducible Double Plasmid System for Myocardial Ischemia Gene Therapy. Hypertension, 2002, 39, 695-698.	1.3	44
51	Immunoreactivity for an angiotensin II-like peptide in the human brain. Brain Research, 1981, 205, 212-218.	1.1	43
52	What the Orphan Drug Act Has Done Lately for Children With Rare Diseases: A 10-Year Analysis. Pediatrics, 2012, 129, 516-521.	1.0	43
53	Inhibitory effects of luteinizing hormone releasing hormone (LH-RH) on neurons in the organum vasculosum lamina terminalis (OVLT). Brain Research, 1979, 169, 204-208.	1.1	42
54	Identification of insulin receptor-containing cells in primary cultures of rat brain. Cellular and Molecular Neurobiology, 1982, 2, 47-52.	1.7	41

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55	Saralasin increases activity of hippocampal neurons inhibited by angiotensin II. Brain Research, 1984, 323, 345-348.	1.1	39
56	Angiotensin II receptor subtypes play opposite roles in regulating phosphatidylinositol hydrolysis in rat skin slices. Biochemical and Biophysical Research Communications, 1992, 186, 285-292.	1.0	38
57	Angiotensin II AT1AReceptor Antisense Lowers Blood Pressure in Acute 2-Kidney, 1-Clip Hypertension. Hypertension, 2001, 38, 674-678.	1.3	38
58	Sustained Inhibition of Angiotensin Iâ€“Converting Enzyme (ACE) Expression and Long-Term Antihypertensive Action by Virally Mediated Delivery of ACE Antisense cDNA. Circulation Research, 1999, 85, 614-622.	2.0	37
59	LOX-1 and Angiotensin Receptors, and Their Interplay. Cardiovascular Drugs and Therapy, 2011, 25, 401-17.	1.3	36
60	Rat brain cells in primary culture: visualization and measurement of catecholamines. Brain Research, 1983, 264, 267-275.	1.1	35
61	Vigilant vectors: adeno-associated virus with a biosensor to switch on amplified therapeutic genes in specific tissues in life-threatening diseases. Methods, 2002, 28, 259-266.	1.9	34
62	Studies on the Presence of Angiotensin II in Rat Brain. Journal of Neurochemistry, 1982, 38, 816-820.	2.1	32
63	A Biphasic Excitatory Response of Hippocampal Neurons to Gonadotropin-Releasing Hormone. Neuroendocrinology, 1986, 44, 137-141.	1.2	32
64	MR microscopy of perfused brain slices. Magnetic Resonance in Medicine, 1997, 38, 1012-1015.	1.9	31
65	Antisense Inhibition of AT ₁ Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector. Hypertension, 1999, 33, 354-359.	1.3	30
66	New Î²-Blocker. Hypertension, 2000, 35, 219-224.	1.3	30
67	Efficient and persistent transduction of exocrine and endocrine pancreas by adeno-associated virus type 8. Journal of Biomedical Science, 2007, 14, 585-594.	2.6	30
68	The Discovery of Renin 100 Years Ago. Physiology, 1999, 14, 271-274.	1.6	28
69	Orphan products: an emerging trend in drug approvals. Nature Reviews Drug Discovery, 2010, 9, 84-84.	21.5	28
70	Independent receptors for pressor and drinking responses to central injections of angiotensin II and carbachol. Brain Research, 1977, 124, 305-315.	1.1	27
71	The effect of chronic bilateral nephrectomy on plasma and brain angiotensin. Journal of Hypertension, 1992, 10, 29-36.	0.3	27
72	Angiotensin II stimulates changes in the norepinephrine content of primary cultures of rat brain. Neuroscience Letters, 1983, 36, 305-309.	1.0	26

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73	SENSITIVE SITES IN THE BRAIN FOR THE BLOOD PRESSURE AND DRINKING RESPONSES TO ANGIOTENSIN II. , 1977, , 325-356.		23
74	Converting Enzyme Inhibitors and Brain Angiotensin. Journal of Cardiovascular Pharmacology, 1986, 8, S75-90.	0.8	22
75	Therapies for Inborn Errors of Metabolism: What Has the Orphan Drug Act Delivered?. Pediatrics, 2010, 126, 101-106.	1.0	22
76	Biosynthesis of Angiotensinogen and Angiotensins by Brain Cells in Primary Culture. Journal of Neurochemistry, 1988, 51, 398-405.	2.1	21
77	?2-Adrenergic Receptors in Neuronal and Glial Cultures: Characterization and Comparison. Journal of Neurochemistry, 1989, 53, 287-296.	2.1	20
78	Alterations of lymphocyte populations during development in the spontaneously hypertensive rat. Journal of Hypertension, 1992, 10, 629???634.	0.3	20
79	Gene therapy for hypertension: sense and antisense strategies. Expert Opinion on Biological Therapy, 2001, 1, 655-662.	1.4	19
80	Gene, Stem Cell, and Future Therapies for Orphan Diseases. Clinical Pharmacology and Therapeutics, 2012, 92, 182-192.	2.3	19
81	The predominant role of brain angiotensinogen and angiotensin in environmentally induced hypertension. Regulatory Peptides, 2002, 110, 25-32.	1.9	17
82	Effect of cortisol on unit activity in freely moving rats. Brain Research, 1971, 25, 651-655.	1.1	16
83	Metabolism of Angiotensin Peptides by Neuronal and Glial Cultures from Rat Brain. Journal of Neurochemistry, 1989, 52, 863-868.	2.1	16
84	Dopamine synthesis and release in LLC-PK1 cells. European Journal of Pharmacology, 1990, 189, 423-426.	2.7	16
85	Intravenous angiotensinogen antisense in AAV-based vector decreases hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2392-H2399.	1.5	16
86	Intracisternal administration of Angiotensin II AT1 receptor antisense oligodeoxynucleotides protects against cerebral ischemia in spontaneously hypertensive rats. Regulatory Peptides, 2003, 111, 117-122.	1.9	16
87	NMR microscopyâ€"beginnings and new directions. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 9, 112-116.	1.1	15
88	Big Pharma's new model in orphan drugs and rare diseases. Expert Opinion on Orphan Drugs, 2013, 1, 1-3.	0.5	14
89	Measurement of Brain Peptides: Angiotensin and Atrial Natriuretic Peptide in Tissue and Cell Culture. Methods in Neurosciences, 1991, 6, 177-206.	0.5	13
90	The Potential Role of Antisense Oligodeoxynucleotide Therapy for Cardiovascular Disease. Drugs, 2000, 60, 239-248.	4.9	13

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91	Exercise training prevents obesity-associated disorders: Role of miRNA-208a and MED13. Molecular and Cellular Endocrinology, 2018, 476, 148-154.	1.6	13
92	Evidence for direct neuronal stimulation by intraventricular angiotensin II. Brain Research, 1977, 126, 376-381.	1.1	12
93	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.	0.0	12
94	Angiotensin Receptor Stimulation of Transforming Growth Factor-Î² in Rat Skin and Wound Healing. , 1994, , 377-396.		11
95	Brain Angiotensin and the Female Reproductive Cycle. Advances in Experimental Medicine and Biology, 1995, 377, 357-370.	0.8	10
96	Angiotensin-induced drinking in rats with hereditary hypothalamic diabetes insipidus. Neuroscience Letters, 1977, 4, 327-330.	1.0	9
97	MRI measurement of cell volume fraction in the perfused rat hippocampal slice. Magnetic Resonance in Medicine, 1999, 42, 603-607.	1.9	9
98	[1] Gene therapy for hypertension: The preclinical data. Methods in Enzymology, 2002, 346, 3-13.	0.4	9
99	Big Pharma's new model in orphan drugs and rare diseases. Expert Opinion on Orphan Drugs, 2013, 1, 1-3.	0.5	9
100	Topical Review: Gene Therapy for Neurologic Disease: Benchtop Discoveries to Bedside Applications. 1. The Bench. Journal of Child Neurology, 1997, 12, 1-12.	0.7	8
101	A Role for Central Angiotensin in Regulation of Blood Pressure at the Nucleus Tractus Solitarius. Clinical and Experimental Hypertension, 1984, 6, 1933-1937.	0.3	7
102	Genetic Modification of Stem Cells for Cardiac, Diabetic, and Hemophilia Transplantation Therapies. Progress in Molecular Biology and Translational Science, 2012, 111, 285-304.	0.9	7
103	Stem cell therapy for heart failure: the science and current progress. Future Cardiology, 2008, 4, 285-298.	0.5	6
104	Angiotensin and Drinking: A Model for the Study of Peptide Action in the Brain. , 1984, , 423-462.		6
105	Infrared Fluorescent Protein 1.4 Genetic Labeling Tracks Engrafted Cardiac Progenitor Cells in Mouse Ischemic Hearts. PLoS ONE, 2014, 9, e107841.	1.1	6
106	Topical Review: Gene Therapy for Neurologic Disease: Benchtop Discoveries to Bedside Applications. 2. The Bedside. Journal of Child Neurology, 1997, 12, 77-84.	0.7	4
107	A Cre-loxP solution for defining the brain renin-angiotensin system. Focus on â€œTargeted viral delivery of Cre recombinase induces conditional gene deletion in cardiovascular circuits of the mouse brainâ€• Physiological Genomics, 2004, 18, 1-3.	1.0	4
108	Gene Therapy for Hypertension: Antisense Inhibition of the Reninâ€“Angiotensin System. , 2005, 108, 363-380.		4

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109	Novel low shear 3D bioreactor for high purity mesenchymal stem cell production. PLoS ONE, 2021, 16, e0252575.	1.1	4
110	Insulin in the Brain: A Feedback Loop Involving Brain Insulin and Circumventricular Organs. , 1987, , 163-175.		4
111	Antisense Oligonucleotides for in Vivo Studies of Angiotensin Receptors. Advances in Experimental Medicine and Biology, 1996, 396, 79-92.	0.8	3
112	Dopamine receptor agonists and antagonists both inhibit dopamine secretion in LLC-PK1 cells. European Journal of Pharmacology, 1993, 240, 277-282.	1.7	2
113	Antisense Therapeutics: A Promise Waiting to Be Fulfilled. , 2005, , 003-010.		2
114	Tumor-free iPS stem cells for heart cells. Cell Cycle, 2014, 13, 1519-1519.	1.3	2
115	The emergence of gene therapy for rare diseases. Expert Opinion on Orphan Drugs, 2014, 2, 1197-1209.	0.5	2
116	FUNCTION OF BRAIN ANGIOTENSIN IN HYPOVOLEMIA, REPRODUCTION, AND NEUROTRANSMISSION. , 1998, , 83-115.		2
117	Designing antisense to inhibit the renin-angiotensin system. , 2000, 212, 145-153.		1
118	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.	0.5	1
119	Central and Peripheral Actions of Angiotensin II. , 1986, , 385-441.		1
120	Antisense Inhibition of the Renin-Angiotensin System. , 2001, 51, 83-104.		0
121	Designing antisense to inhibit the renin-angiotensin system. , 2000, , 145-153.		0
122	Angiotensin II as a Mediator of Inflammation in Atherosclerosis. , 2001, , 113-127.		0
123	Genetically Modified Stem Cells for Transplantation. , 2013, , 119-146.		0
124	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.	6.0	0
125	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.	6.0	0
126	Tooth Loss and Hypertension in the Spontaneously Hypertensive Rat.. Hypertension Research, 1993, 16, 203-208.	1.5	0