

Andrew M Allen

List of Publications by Citations

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106
papers

5,226
citations

41
h-index

71
g-index

109
ext. papers

5,606
ext. citations

5.5
avg, IF

5.14
L-index

#	Paper	IF	Citations
106	The brain renin-angiotensin system: location and physiological roles. <i>International Journal of Biochemistry and Cell Biology</i> , 2003 , 35, 901-18	5.6	400
105	Localization and characterization of insulin receptors in rat brain and pituitary gland using in vitro autoradiography and computerized densitometry. <i>Endocrinology</i> , 1987 , 121, 1562-70	4.8	273
104	Mapping of angiotensin II receptor subtype heterogeneity in rat brain. <i>Journal of Comparative Neurology</i> , 1992 , 316, 467-84	3.4	264
103	Leptin mediates the increase in blood pressure associated with obesity. <i>Cell</i> , 2014 , 159, 1404-16	56.2	232
102	Angiotensin receptors in the nervous system. <i>Brain Research Bulletin</i> , 1998 , 47, 17-28	3.9	205
101	Inhibition of the hypothalamic paraventricular nucleus in spontaneously hypertensive rats dramatically reduces sympathetic vasomotor tone. <i>Hypertension</i> , 2002 , 39, 275-80	8.5	189
100	Localization and function of angiotensin AT1 receptors. <i>American Journal of Hypertension</i> , 2000 , 13, 31S-38S	3.8	188
99	AT1A angiotensin receptors in the renal proximal tubule regulate blood pressure. <i>Cell Metabolism</i> , 2011 , 13, 469-475	24.6	182
98	Amplified respiratory-sympathetic coupling in the spontaneously hypertensive rat: does it contribute to hypertension?. <i>Journal of Physiology</i> , 2009 , 587, 597-610	3.9	162
97	Interaction of circulating hormones with the brain: the roles of the subfornical organ and the organum vasculosum of the lamina terminalis. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1998 , 25, S61-7	3	118
96	Localization of angiotensin II receptor binding in rabbit brain by in vitro autoradiography. <i>Journal of Comparative Neurology</i> , 1988 , 270, 372-84	3.4	103
95	Localization and characterization of angiotensin II receptor binding and angiotensin converting enzyme in the human medulla oblongata. <i>Journal of Comparative Neurology</i> , 1988 , 269, 249-64	3.4	101
94	Effect of I.C.V. injection of AT4 receptor ligands, NLE1-angiotensin IV and LVV-hemorphin 7, on spatial learning in rats. <i>Neuroscience</i> , 2004 , 124, 341-9	3.9	99
93	Mapping tissue angiotensin-converting enzyme and angiotensin AT1, AT2 and AT4 receptors. <i>Journal of Hypertension</i> , 1998 , 16, 2027-37	1.9	89
92	Potentiation of cholinergic transmission in the rat hippocampus by angiotensin IV and LVV-hemorphin-7. <i>Neuropharmacology</i> , 2001 , 40, 618-23	5.5	88
91	Angiotensin II type 2 receptor antagonizes angiotensin II type 1 receptor-mediated cardiomyocyte autophagy. <i>Hypertension</i> , 2009 , 53, 1032-40	8.5	86
90	Ciliary neurotrophic factor suppresses hypothalamic AMP-kinase signaling in leptin-resistant obese mice. <i>Endocrinology</i> , 2006 , 147, 3906-14	4.8	86

89	The effects of rimonabant on brown adipose tissue in rat: implications for energy expenditure. <i>Obesity</i> , 2009 , 17, 254-61	8	83
88	Angiotensin II receptor subtypes in the human central nervous system. <i>Brain Research</i> , 1995 , 675, 231-40	3.7	83
87	The role of thermogenesis in antipsychotic drug-induced weight gain. <i>Obesity</i> , 2009 , 17, 16-24	8	79
86	Angiotensin II receptor binding associated with nigrostriatal dopaminergic neurons in human basal ganglia. <i>Annals of Neurology</i> , 1992 , 32, 339-44	9.4	77
85	Neural pathways from the lamina terminalis influencing cardiovascular and body fluid homeostasis. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2001 , 28, 990-2	3	76
84	Autoradiographic localization of angiotensin receptors in the sheep brain. <i>Brain Research</i> , 1986 , 375, 373-6	3.7	66
83	Renal proximal tubule angiotensin AT1A receptors regulate blood pressure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R1067-77	3.2	63
82	High resolution localization of angiotensin II receptors in rat renal medulla. <i>Kidney International</i> , 1992 , 42, 1372-80	9.9	63
81	Angiotensin receptor binding in human hypothalamus: autoradiographic localization. <i>Brain Research</i> , 1987 , 420, 375-9	3.7	63
80	Baroreflex inhibition of cardiac sympathetic outflow is attenuated by angiotensin II in the nucleus of the solitary tract. <i>Neuroscience</i> , 2001 , 103, 153-60	3.9	61
79	Control of sympathetic vasomotor tone by catecholaminergic C1 neurones of the rostral ventrolateral medulla oblongata. <i>Cardiovascular Research</i> , 2011 , 91, 703-10	9.9	60
78	Angiotensin II receptor binding in the rat nucleus tractus solitarii is reduced after unilateral nodose ganglionectomy or vagotomy. <i>European Journal of Pharmacology</i> , 1986 , 125, 305-7	5.3	60
77	Expression of constitutively active angiotensin receptors in the rostral ventrolateral medulla increases blood pressure. <i>Hypertension</i> , 2006 , 47, 1054-61	8.5	57
76	Overlapping distributions of receptors for atrial natriuretic peptide and angiotensin II visualized by in vitro autoradiography: morphological basis of physiological antagonism. <i>Canadian Journal of Physiology and Pharmacology</i> , 1987 , 65, 1517-21	2.4	57
75	Localization of angiotensin II binding sites in the bovine adrenal medulla using a labelled specific antagonist. <i>Neuroscience</i> , 1989 , 28, 777-87	3.9	56
74	The endogenous actions of hypothalamic peptides on brown adipose tissue thermogenesis in the rat. <i>Endocrinology</i> , 2010 , 151, 4236-46	4.8	54
73	Angiotensin II receptors in the human brain. <i>Regulatory Peptides</i> , 1999 , 79, 1-7		51
72	Angiotensin II receptor subtypes in rat brain and peripheral tissues. <i>Cardiology</i> , 1991 , 79 Suppl 1, 45-54	1.6	51

71	In vitro autoradiographic localization of binding to angiotensin receptors in the rat heart. <i>International Journal of Cardiology</i> , 1990 , 28, 25-33	3.2	50
70	Localization and characterization of angiotensin II receptor binding sites in the human basal ganglia, thalamus, midbrain pons, and cerebellum. <i>Journal of Comparative Neurology</i> , 1991 , 312, 291-8	3.4	49
69	Angiotensin II receptor subtypes in rat brain. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1991 , 18, 93-6	3	47
68	Hypothalamic paraventricular nucleus inhibition decreases renal sympathetic nerve activity in hypertensive and normotensive rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2003 , 108, 17-21	2.4	46
67	The angiotensin receptor blocker, Losartan, inhibits mammary tumor development and progression to invasive carcinoma. <i>Oncotarget</i> , 2017 , 8, 18640-18656	3.3	45
66	Blockade of angiotensin AT1-receptors in the rostral ventrolateral medulla of spontaneously hypertensive rats reduces blood pressure and sympathetic nerve discharge. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2001 , 2, S120-S124	3	43
65	Excessive Respiratory Modulation of Blood Pressure Triggers Hypertension. <i>Cell Metabolism</i> , 2017 , 25, 739-748	24.6	37
64	Is augmented central respiratory-sympathetic coupling involved in the generation of hypertension?. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 174, 89-97	2.8	37
63	Bioactive angiotensin peptides. <i>Journal of Human Hypertension</i> , 1998 , 12, 289-93	2.6	36
62	Structural and functional evidence supporting a role for leptin in central neural pathways influencing blood pressure in rats. <i>Experimental Physiology</i> , 2005 , 90, 689-96	2.4	36
61	Local Actions of Angiotensin II. <i>Journal of Cardiovascular Pharmacology</i> , 1986 , 8, S35-39	3.1	36
60	Angiotensin type 1A receptors in C1 neurons of the rostral ventrolateral medulla modulate the pressor response to aversive stress. <i>Journal of Neuroscience</i> , 2012 , 32, 2051-61	6.6	35
59	Optogenetic Demonstration of Functional Innervation of Mouse Colon by Neurons Derived From Transplanted Neural Cells. <i>Gastroenterology</i> , 2017 , 152, 1407-1418	13.3	34
58	The brain angiotensin system: insights from mapping its components. <i>Trends in Endocrinology and Metabolism</i> , 1990 , 1, 189-98	8.8	34
57	Expression of angiotensin type 1A receptors in C1 neurons restores the sympathoexcitation to angiotensin in the rostral ventrolateral medulla of angiotensin type 1A knockout mice. <i>Hypertension</i> , 2010 , 56, 143-50	8.5	32
56	Central angiotensin type 1 receptor blockade decreases cardiac but not renal sympathetic nerve activity in heart failure. <i>Hypertension</i> , 2012 , 59, 634-41	8.5	32
55	Male contraception via simultaneous knockout of 1A-adrenoceptors and P2X1-purinoceptors in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20825-30	11.5	31
54	Distribution of angiotensin II receptor binding in the spinal cord of the sheep. <i>Brain Research</i> , 1994 , 650, 40-8	3.7	31

53	Physiological impact of increased expression of the AT1 angiotensin receptor. <i>Hypertension</i> , 2003 , 42, 507-14	8.5	29
52	The physiological role of AT1 receptors in the ventrolateral medulla. <i>Brazilian Journal of Medical and Biological Research</i> , 2000 , 33, 643-52	2.8	27
51	Osmoregulatory fluid intake but not hypovolemic thirst is intact in mice lacking angiotensin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R1533-43	3.2	26
50	Central neural regulation of cardiovascular function by angiotensin: a focus on the rostral ventrolateral medulla. <i>Neuroendocrinology</i> , 2009 , 89, 361-9	5.6	25
49	Mapping and Analysis of the Connectome of Sympathetic Premotor Neurons in the Rostral Ventrolateral Medulla of the Rat Using a Volumetric Brain Atlas. <i>Frontiers in Neural Circuits</i> , 2017 , 11, 9	3.5	22
48	Efferent projections of C3 adrenergic neurons in the rat central nervous system. <i>Journal of Comparative Neurology</i> , 2012 , 520, 2352-68	3.4	22
47	Central angiotensinergic mechanisms associated with hypertension. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013 , 175, 85-92	2.4	22
46	Stimulation of angiotensin type 1A receptors on catecholaminergic cells contributes to angiotensin-dependent hypertension. <i>Hypertension</i> , 2013 , 62, 866-71	8.5	21
45	Chronic beta2-adrenoceptor stimulation impairs cardiac relaxation via reduced SR Ca ²⁺ -ATPase protein and activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H2587-95	5.2	21
44	Catecholaminergic C3 neurons are sympathoexcitatory and involved in glucose homeostasis. <i>Journal of Neuroscience</i> , 2014 , 34, 15110-22	6.6	20
43	Chapter iii Localization of angiotensin receptors in the nervous system. <i>Handbook of Chemical Neuroanatomy</i> , 2000 , 79-124		20
42	Synaptic and neurotransmitter regulation of activity in mammalian hypothalamic magnocellular neurosecretory cells. <i>Progress in Brain Research</i> , 1992 , 92, 277-88	2.9	19
41	PreBötzing complex neurons drive respiratory modulation of blood pressure and heart rate. <i>ELife</i> , 2020 , 9,	8.9	18
40	Role of angiotensin in the rostral ventrolateral medulla in the development and maintenance of hypertension. <i>Current Opinion in Pharmacology</i> , 2011 , 11, 117-23	5.1	16
39	ANP potentiates nonarterial baroreflex bradycardia: evidence from sinoaortic denervation in rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2002 , 97, 89-98	2.4	16
38	Distribution of cells expressing human renin-promoter activity in the brain of a transgenic mouse. <i>Brain Research</i> , 2008 , 1243, 78-85	3.7	14
37	Hypothalamic gene expression in Δ 6 PUFA-deficient male rats before, and following, development of hypertension. <i>Hypertension Research</i> , 2012 , 35, 381-7	4.7	13
36	Disruption of muscle renin-angiotensin system in AT1a ^{-/-} mice enhances muscle function despite reducing muscle mass but compromises repair after injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R321-31	3.2	12

35	Review: AT1-receptors in the central nervous system. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2001 , 2, S95-S101	3	12
34	Insights into the neurochemical signature of the Innervation of Beige Fat. <i>Molecular Metabolism</i> , 2018 , 11, 47-58	8.8	11
33	Recording, labeling, and transfection of single neurons in deep brain structures. <i>Physiological Reports</i> , 2015 , 3, e12246	2.6	10
32	Angiotensin 1A receptors transfected into caudal ventrolateral medulla inhibit baroreflex gain and stress responses. <i>Cardiovascular Research</i> , 2012 , 96, 330-9	9.9	9
31	Cholinergic Submucosal Neurons Display Increased Excitability Following Cholera Toxin Exposure in Mouse Ileum. <i>Frontiers in Physiology</i> , 2018 , 9, 260	4.6	8
30	Neurohumoral interactions contributing to renal vasoconstriction and decreased renal blood flow in heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R386-R396	3.2	8
29	Kif1bp loss in mice leads to defects in the peripheral and central nervous system and perinatal death. <i>Scientific Reports</i> , 2017 , 7, 16676	4.9	8
28	Selective optogenetic stimulation of efferent fibers in the vagus nerve of a large mammal. <i>Brain Stimulation</i> , 2021 , 14, 88-96	5.1	8
27	Angiotensin type 1A receptor expression in C1 neurons of the rostral ventrolateral medulla contributes to the development of angiotensin-dependent hypertension. <i>Experimental Physiology</i> , 2014 , 99, 1597-610	2.4	7
26	Cardiovascular role of angiotensin type1A receptors in the nucleus of the solitary tract of mice. <i>Cardiovascular Research</i> , 2013 , 100, 181-91	9.9	7
25	Identification of CNS neurons with polysynaptic connections to both the sympathetic and parasympathetic innervation of the submandibular gland. <i>Brain Structure and Function</i> , 2015 , 220, 2103-20	4	6
24	Orphan receptor GPR37L1 contributes to the sexual dimorphism of central cardiovascular control. <i>Biology of Sex Differences</i> , 2018 , 9, 14	9.3	6
23	A Chemogenetic Tool that Enables Functional Neural Circuit Analysis. <i>Cell Reports</i> , 2020 , 32, 108139	10.6	6
22	Respiratory sympathetic modulation is augmented in chronic kidney disease. <i>Respiratory Physiology and Neurobiology</i> , 2019 , 262, 57-66	2.8	5
21	Intrathecal Administration of Losartan Reduces Directly Recorded Cardiac Sympathetic Nerve Activity in Ovine Heart Failure. <i>Hypertension</i> , 2019 , 74, 896-902	8.5	4
20	Functional and neurochemical characterization of angiotensin type 1A receptor-expressing neurons in the nucleus of the solitary tract of the mouse. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 313, R438-R449	3.2	4
19	Changes in angiotensin type 1 receptor binding and angiotensin-induced pressor responses in the rostral ventrolateral medulla of angiotensinogen knockout mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R411-8	3.2	4
18	Neuronal Angiotensin 2009 , 697-702		4

17	Respiratory modulation of sympathetic nerve activity is enhanced in male rat offspring following uteroplacental insufficiency. <i>Respiratory Physiology and Neurobiology</i> , 2016 , 226, 147-51	2.8	4
16	Extensive Inhibitory Gating of Viscerosensory Signals by a Sparse Network of Somatostatin Neurons. <i>Journal of Neuroscience</i> , 2019 , 39, 8038-8050	6.6	3
15	Effect of fimbria-fornix lesion on 125I-angiotensin IV (Ang IV) binding in the guinea pig hippocampus. <i>Brain Research</i> , 2003 , 979, 7-14	3.7	3
14	A neglected Accessory Vasomotor pathway: implications for blood pressure control. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005 , 32, 473-7	3	2
13	Angiotensin II Receptors in the Human Central Nervous System 1991 , 123-142		2
12	Does glyceryl trinitrate cause central sympatholytic effects? Insights from a case of baroreflex failure. <i>Internal Medicine Journal</i> , 2020 , 50, 114-117	1.6	1
11	Baroreceptor reflex control of heart rate in angiotensin type 1A receptor knockout mice. <i>Physiological Reports</i> , 2013 , 1, e00171	2.6	1
10	Adrenergic Neurons in the CNS 2017 , 29-37		1
9	Viscerosensory input drives angiotensin II type 1A receptor-expressing neurons in the solitary tract nucleus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R282-R293	3.2	1
8	Advancing respiratory-cardiovascular physiology with the working heart-brainstem preparation over 25 years.. <i>Journal of Physiology</i> , 2022 ,	3.9	1
7	Angiotensin Actions on and within Brain 2009 , 381-388		
6	Baroreceptor reflex stimulation does not induce cytomegalovirus promoter-driven transgene expression in the ventrolateral medulla in vivo. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2006 , 126-127, 150-5	2.4	
5	Autoradiographic localization and quantification of components of the Renin-Angiotensin system in tissues. <i>Methods in Molecular Medicine</i> , 2001 , 51, 315-37		
4	Involvement of Phox2B Neurons Located in the Commissural NTs with the Maintenance of Hypertension in SH Rats. <i>FASEB Journal</i> , 2019 , 33, 742.5	0.9	
3	LOCALIZATION OF ANGIOTENSIN II RECEPTORS IN RAT KIDNEY AND BRAIN 1998 , 61-81		
2	Cell-selective Expression of Angiotensin Type 1A Receptors In The Rostral Ventrolateral Medulla Of The Mouse. <i>FASEB Journal</i> , 2010 , 24, 808.11	0.9	
1	Angiotensin type 1A receptors transfected into the nucleus tractus solitarii of AT1a ^{0/0} mice increase blood pressure and cardiovascular responses to aversive stress. <i>FASEB Journal</i> , 2013 , 27, 926.10 ^{0.9}		