

# Andrew M Allen

## List of Publications by Year in descending order

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106  
papers

6,047  
citations

57758

44  
h-index

71685

76  
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109  
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109  
docs citations

109  
times ranked

5196  
citing authors

#	ARTICLE	IF	CITATIONS
1	The brain renin-angiotensin system: location and physiological roles. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 901-918.	2.8	445
2	Localization and Characterization of Insulin Receptors in Rat Brain and Pituitary Gland Using <i>in Vitro</i> Autoradiography and Computerized Densitometry*. <i>Endocrinology</i> , 1987, 121, 1562-1570.	2.8	302
3	Leptin Mediates the Increase in Blood Pressure Associated with Obesity. <i>Cell</i> , 2014, 159, 1404-1416.	28.9	288
4	Mapping of angiotensin II receptor subtype heterogeneity in rat brain. <i>Journal of Comparative Neurology</i> , 1992, 316, 467-484.	1.6	287
5	Localization and function of angiotensin AT1 receptors. <i>American Journal of Hypertension</i> , 2000, 13, S31-S38.	2.0	225
6	AT 1A Angiotensin Receptors in the Renal Proximal Tubule Regulate Blood Pressure. <i>Cell Metabolism</i> , 2011, 13, 469-475.	16.2	220
7	Angiotensin receptors in the nervous system. <i>Brain Research Bulletin</i> , 1998, 47, 17-28.	3.0	216
8	Inhibition of the Hypothalamic Paraventricular Nucleus in Spontaneously Hypertensive Rats Dramatically Reduces Sympathetic Vasomotor Tone. <i>Hypertension</i> , 2002, 39, 275-280.	2.7	203
9	Amplified respiratory-sympathetic coupling in the spontaneously hypertensive rat: does it contribute to hypertension?. <i>Journal of Physiology</i> , 2009, 587, 597-610.	2.9	178
10	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.	1.9	132
11	Effect of I.C.V. injection of AT4 receptor ligands, NLE1-angiotensin IV and LWV-hemorphin 7, on spatial learning in rats. <i>Neuroscience</i> , 2004, 124, 341-349.	2.3	113
12	Localization of angiotensin II receptor binding in rabbit brain by <i>in vitro</i> autoradiography. <i>Journal of Comparative Neurology</i> , 1988, 270, 372-384.	1.6	110
13	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, 249-264.	1.6	108
14	Mapping tissue angiotensin-converting enzyme and angiotensin AT1, AT2 and AT4 receptors. <i>Journal of Hypertension</i> , 1998, 16, 2027-2037.	0.5	107
15	Angiotensin II Type 2 Receptor Antagonizes Angiotensin II Type 1 Receptor-Mediated Cardiomyocyte Autophagy. <i>Hypertension</i> , 2009, 53, 1032-1040.	2.7	100
16	Potentiation of cholinergic transmission in the rat hippocampus by angiotensin IV and LWV-hemorphin-7. <i>Neuropharmacology</i> , 2001, 40, 618-623.	4.1	93
17	The Role of Thermogenesis in Antipsychotic Drug-Induced Weight Gain. <i>Obesity</i> , 2009, 17, 16-24.	3.0	93
18	Ciliary Neurotrophic Factor Suppresses Hypothalamic AMP-Kinase Signaling in Leptin-Resistant Obese Mice. <i>Endocrinology</i> , 2006, 147, 3906-3914.	2.8	92

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19	Angiotensin II receptor binding associated with nigrostriatal dopaminergic neurons in human basal ganglia. <i>Annals of Neurology</i> , 1992, 32, 339-344.	5.3	90
20	Angiotensin II receptor subtypes in the human central nervous system. <i>Brain Research</i> , 1995, 675, 231-240.	2.2	90
21	The Effects of Rimonabant on Brown Adipose Tissue in Rat: Implications for Energy Expenditure. <i>Obesity</i> , 2009, 17, 254-261.	3.0	89
22	Neural Pathways From The Lamina Terminalis Influencing Cardiovascular And Body Fluid Homeostasis. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2001, 28, 990-992.	1.9	87
23	High resolution localization of angiotensin II receptors in rat renal medulla. <i>Kidney International</i> , 1992, 42, 1372-1380.	5.2	78
24	Renal proximal tubule angiotensin AT1A receptors regulate blood pressure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1067-R1077.	1.8	76
25	Angiotensin receptor binding in human hypothalamus: autoradiographic localization. <i>Brain Research</i> , 1987, 420, 375-379.	2.2	72
26	Autoradiographic localization of angiotensin receptors in the sheep brain. <i>Brain Research</i> , 1986, 375, 373-376.	2.2	68
27	Control of sympathetic vasomotor tone by catecholaminergic C1 neurones of the rostral ventrolateral medulla oblongata. <i>Cardiovascular Research</i> , 2011, 91, 703-710.	3.8	67
28	The angiotensin receptor blocker, Losartan, inhibits mammary tumor development and progression to invasive carcinoma. <i>Oncotarget</i> , 2017, 8, 18640-18656.	1.8	66
29	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, 305-307.	3.5	64
30	Overlapping distributions of receptors for atrial natriuretic peptide and angiotensin II visualized by <i>in vitro</i> autoradiography: morphological basis of physiological antagonism. <i>Canadian Journal of Physiology and Pharmacology</i> , 1987, 65, 1517-1521.	1.4	64
31	Baroreflex inhibition of cardiac sympathetic outflow is attenuated by angiotensin II in the nucleus of the solitary tract. <i>Neuroscience</i> , 2001, 103, 153-160.	2.3	64
32	Angiotensin II receptors in the human brain. <i>Regulatory Peptides</i> , 1999, 79, 1-7.	1.9	62
33	Angiotensin II Receptor Subtypes in Rat Brain and Peripheral Tissues. <i>Cardiology</i> , 1991, 79, 45-54.	1.4	60
34	Localization of angiotensin II binding sites in the bovine adrenal medulla using a labelled specific antagonist. <i>Neuroscience</i> , 1989, 28, 777-787.	2.3	59
35	<i>In vitro</i> autoradiographic localization of binding to angiotensin receptors in the rat heart. <i>International Journal of Cardiology</i> , 1990, 28, 25-33.	1.7	57
36	Expression of Constitutively Active Angiotensin Receptors in the Rostral Ventrolateral Medulla Increases Blood Pressure. <i>Hypertension</i> , 2006, 47, 1054-1061.	2.7	57

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37	Excessive Respiratory Modulation of Blood Pressure Triggers Hypertension. <i>Cell Metabolism</i> , 2017, 25, 739-748.	16.2	57
38	The Endogenous Actions of Hypothalamic Peptides on Brown Adipose Tissue Thermogenesis in the Rat. <i>Endocrinology</i> , 2010, 151, 4236-4246.	2.8	56
39	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, 291-298.	1.6	54
40	ANGIOTENSIN II RECEPTOR SUBTYPES IN RAT BRAIN. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1991, 18, 93-96.	1.9	52
41	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.	2.8	51
42	Optogenetic Demonstration of Functional Innervation of Mouse Colon by Neurons Derived From Transplanted Neural Cells. <i>Gastroenterology</i> , 2017, 152, 1407-1418.	1.3	49
43	PreBötzing complex neurons drive respiratory modulation of blood pressure and heart rate. <i>ELife</i> , 2020, 9, .	6.0	49
44	Local Actions of Angiotensin II. <i>Journal of Cardiovascular Pharmacology</i> , 1986, 8, S35-39.	1.9	46
45	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.	1.7	45
46	The brain angiotensin system Insights from mapping its components. <i>Trends in Endocrinology and Metabolism</i> , 1990, 1, 189-198.	7.1	41
47	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, 2051-2061.	3.6	41
48	Bioactive angiotensin peptides. <i>Journal of Human Hypertension</i> , 1998, 12, 289-293.	2.2	40
49	Structural and functional evidence supporting a role for leptin in central neural pathways influencing blood pressure in rats. <i>Experimental Physiology</i> , 2005, 90, 689-696.	2.0	39
50	Is augmented central respiratory sympathetic coupling involved in the generation of hypertension?. <i>Respiratory Physiology and Neurobiology</i> , 2010, 174, 89-97.	1.6	39
51	Central Angiotensin Type 1 Receptor Blockade Decreases Cardiac But Not Renal Sympathetic Nerve Activity in Heart Failure. <i>Hypertension</i> , 2012, 59, 634-641.	2.7	38
52	Male contraception via simultaneous knockout of $\text{AT}_{1A}$ -adrenoceptors and P2X1-purinoceptors in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20825-20830.	7.1	37
53	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.	2.8	37
54	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, 143-150.	2.7	34

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55	Distribution of angiotensin II receptor binding in the spinal cord of the sheep. <i>Brain Research</i> , 1994, 650, 40-48.	2.2	33
56	Physiological Impact of Increased Expression of the AT1Angiotensin Receptor. <i>Hypertension</i> , 2003, 42, 507-514.	2.7	32
57	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-R1543.	1.8	31
58	Central Neural Regulation of Cardiovascular Function by Angiotensin: A Focus on the Rostral Ventrolateral Medulla. <i>Neuroendocrinology</i> , 2009, 89, 361-369.	2.5	31
59	The physiological role of AT1 receptors in the ventrolateral medulla. <i>Brazilian Journal of Medical and Biological Research</i> , 2000, 33, 643-652.	1.5	27
60	Chapter iii Localization of angiotensin receptors in the nervous system. <i>Handbook of Chemical Neuroanatomy</i> , 2000, , 79-124.	0.3	25
61	Efferent projections of C3 adrenergic neurons in the rat central nervous system. <i>Journal of Comparative Neurology</i> , 2012, 520, 2352-2368.	1.6	24
62	Selective optogenetic stimulation of efferent fibers in the vagus nerve of a large mammal. <i>Brain Stimulation</i> , 2021, 14, 88-96.	1.6	24
63	Chronic $\beta_2$ -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-H2595.	3.2	23
64	Central angiotensinergic mechanisms associated with hypertension. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 175, 85-92.	2.8	23
65	Stimulation of Angiotensin Type 1A Receptors on Catecholaminergic Cells Contributes to Angiotensin-Dependent Hypertension. <i>Hypertension</i> , 2013, 62, 866-871.	2.7	23
66	Catecholaminergic C3 Neurons Are Sympathoexcitatory and Involved in Glucose Homeostasis. <i>Journal of Neuroscience</i> , 2014, 34, 15110-15122.	3.6	23
67	Advancing respiratory cardiovascular physiology with the working heart brainstem preparation over 25 years. <i>Journal of Physiology</i> , 2022, 600, 2049-2075.	2.9	22
68	Chapter 24 Synaptic and neurotransmitter regulation of activity in mammalian hypothalamic magnocellular neurosecretory cells. <i>Progress in Brain Research</i> , 1992, 92, 277-288.	1.4	21
69	Role of angiotensin in the rostral ventrolateral medulla in the development and maintenance of hypertension. <i>Current Opinion in Pharmacology</i> , 2011, 11, 117-123.	3.5	20
70	ANP potentiates nonarterial baroreflex bradycardia: evidence from sinoaortic denervation in rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2002, 97, 89-98.	2.8	17
71	Distribution of cells expressing human renin-promoter activity in the brain of a transgenic mouse. <i>Brain Research</i> , 2008, 1243, 78-85.	2.2	17
72	Hypothalamic gene expression in $\omega$ -3 PUFA-deficient male rats before, and following, development of hypertension. <i>Hypertension Research</i> , 2012, 35, 381-387.	2.7	16

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73	Disruption of muscle renin-angiotensin system in AT1a <sup>-/-</sup> 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-R331.	1.8	15
74	Insights into the neurochemical signature of the Innervation of Beige Fat. <i>Molecular Metabolism</i> , 2018, 11, 47-58.	6.5	15
75	Cholinergic Submucosal Neurons Display Increased Excitability Following in Vivo Cholera Toxin Exposure in Mouse Ileum. <i>Frontiers in Physiology</i> , 2018, 9, 260.	2.8	15
76	Kif1bp loss in mice leads to defects in the peripheral and central nervous system and perinatal death. <i>Scientific Reports</i> , 2017, 7, 16676.	3.3	14
77	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.	1.8	14
78	Review: AT1-receptors in the central nervous system. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2001, 2, S95-S101.	1.7	13
79	Orphan receptor GPR37L1 contributes to the sexual dimorphism of central cardiovascular control. <i>Biology of Sex Differences</i> , 2018, 9, 14.	4.1	13
80	Extensive Inhibitory Gating of Viscerosensory Signals by a Sparse Network of Somatostatin Neurons. <i>Journal of Neuroscience</i> , 2019, 39, 8038-8050.	3.6	13
81	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, 1597-1610.	2.0	12
82	Recording, labeling, and transfection of single neurons in deep brain structures. <i>Physiological Reports</i> , 2015, 3, e12246.	1.7	12
83	A Chemogenetic Tool that Enables Functional Neural Circuit Analysis. <i>Cell Reports</i> , 2020, 32, 108139.	6.4	12
84	Cardiovascular role of angiotensin type1A receptors in the nucleus of the solitary tract of mice. <i>Cardiovascular Research</i> , 2013, 100, 181-191.	3.8	11
85	Angiotensin 1A receptors transfected into caudal ventrolateral medulla inhibit baroreflex gain and stress responses. <i>Cardiovascular Research</i> , 2012, 96, 330-339.	3.8	10
86	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, 2103-2120.	2.3	9
87	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.	1.8	8
88	Neuronal Angiotensin. , 2009, , 697-702.		5
89	Respiratory modulation of sympathetic nerve activity is enhanced in male rat offspring following uteroplacental insufficiency. <i>Respiratory Physiology and Neurobiology</i> , 2016, 226, 147-151.	1.6	5
90	Respiratory sympathetic modulation is augmented in chronic kidney disease. <i>Respiratory Physiology and Neurobiology</i> , 2019, 262, 57-66.	1.6	5

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91	A NEGLECTED 'ACCESSORY' VASOMOTOR PATHWAY: IMPLICATIONS FOR BLOOD PRESSURE CONTROL. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 473-477.	1.9	4
92	Changes in angiotensin type 1 receptor binding and angiotensin-induced pressor responses in the rostral ventrolateral medulla of angiotensinogen knockout mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R411-R418.	1.8	4
93	Intrathecal Administration of Losartan Reduces Directly Recorded Cardiac Sympathetic Nerve Activity in Ovine Heart Failure. Hypertension, 2019, 74, 896-902.	2.7	4
94	Effect of fimbria-fornix lesion on 125I-angiotensin IV (Ang IV) binding in the guinea pig hippocampus. Brain Research, 2003, 979, 7-14.	2.2	3
95	Angiotensin II Receptors in the Human Central Nervous System. , 1991, , 123-142.		2
96	Baroreceptor reflex control of heart rate in angiotensin type 1A receptor knockout mice. Physiological Reports, 2013, 1, e00171.	1.7	1
97	Viscerosensory input drives angiotensin II type 1A receptor-expressing neurons in the solitary tract nucleus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R282-R293.	1.8	1
98	Does glyceryl trinitrate cause central sympatholytic effects? Insights from a case of baroreflex failure. Internal Medicine Journal, 2020, 50, 114-117.	0.8	1
99	Adrenergic Neurons in the CNS. , 2017, , 29-37.		1
100	Autoradiographic Localization and Quantification of Components of the Renin-Angiotensin System in Tissues. , 2001, 51, 315-337.		0
101	Baroreceptor reflex stimulation does not induce cytomegalovirus promoter-driven transgene expression in the ventrolateral medulla in vivo. Autonomic Neuroscience: Basic and Clinical, 2006, 126-127, 150-155.	2.8	0
102	Angiotensin Actions on and within Brain. , 2009, , 381-388.		0
103	Cell-selective Expression of Angiotensin Type 1A Receptors In The Rostral Ventrolateral Medulla Of The Mouse. FASEB Journal, 2010, 24, 808.11.	0.5	0
104	Angiotensin type 1A receptors transfected into the nucleus tractus solitarii of AT1a <sup>-/-</sup> mice increase blood pressure and cardiovascular responses to aversive stress. FASEB Journal, 2013, 27, 926.10.	0.5	0
105	LOCALIZATION OF ANGIOTENSIN II RECEPTORS IN RAT KIDNEY AND BRAIN. , 1998, , 61-81.		0
106	Involvement of Phox2B Neurons Located in the Commissural NTs with the Maintenance of Hypertension in SH Rats. FASEB Journal, 2019, 33, 742.5.	0.5	0