Andrew M Allen

List of Publications by Year
in descending order

106 papers	6,047 citations	57758 44 h-index	71685 76 g-index
109 all docs	109 docs citations	109 times ranked	5196 citing authors

#	Article	IF	Citations
1	Advancing respiratoryâ€“cardiovascular physiology with the working heartâ€“brainstem preparation over 25 years. Journal of Physiology, 2022, 600, 2049-2075.	2.9	22
2	Selective optogenetic stimulation of efferent fibers in the vagus nerve of a large mammal. Brain Stimulation, 2021, 14, 88-96.	1.6	24
3	A Chemogenetic Tool that Enables Functional Neural Circuit Analysis. Cell Reports, 2020, 32, 108139.	6.4	12
4	Does glyceryl trinitrate cause central sympatholytic effects? Insights from a case of baroreflex failure. Internal Medicine Journal, 2020, 50, 114-117.	0.8	1
5	PreBÃ¶tzinger complex neurons drive respiratory modulation of blood pressure and heart rate. ELife, 2020, 9, .	6.0	49
6	Intrathecal Administration of Losartan Reduces Directly Recorded Cardiac Sympathetic Nerve Activity in Ovine Heart Failure. Hypertension, 2019, 74, 896-902.	2.7	4
7	Neurohumoral interactions contributing to renal vasoconstriction and decreased renal blood flow in heart failure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R386-R396.	1.8	14
8	Extensive Inhibitory Gating of Viscerosensory Signals by a Sparse Network of Somatostatin Neurons. Journal of Neuroscience, 2019, 39, 8038-8050.	3.6	13
9	Respiratory sympathetic modulation is augmented in chronic kidney disease. Respiratory Physiology and Neurobiology, 2019, 262, 57-66.	1.6	5
10	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
11	Insights into the neurochemical signature of the Innervation of Beige Fat. Molecular Metabolism, 2018, 11, 47-58.	6.5	15
12	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
13	Cholinergic Submucosal Neurons Display Increased Excitability Following in Vivo Cholera Toxin Exposure in Mouse Ileum. Frontiers in Physiology, 2018, 9, 260.	2.8	15
14	Orphan receptor GPR37L1 contributes to the sexual dimorphism of central cardiovascular control. Biology of Sex Differences, 2018, 9, 14.	4.1	13
15	Optogenetic Demonstration of Functional Innervation of Mouse Colon by Neurons Derived From Transplanted Neural Cells. Gastroenterology, 2017, 152, 1407-1418.	1.3	49
16	Excessive Respiratory Modulation of Blood Pressure Triggers Hypertension. Cell Metabolism, 2017, 25, 739-748.	16.2	57
17	Kif1bp loss in mice leads to defects in the peripheral and central nervous system and perinatal death. Scientific Reports, 2017, 7, 16676.	3.3	14
18	Functional and neurochemical characterization of angiotensin type 1A receptor-expressing neurons in the nucleus of the solitary tract of the mouse. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 313, R438-R449.	1.8	8

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19	The angiotensin receptor blocker, Losartan, inhibits mammary tumor development and progression to invasive carcinoma. Oncotarget, 2017, 8, 18640-18656.	1.8	66
20	Mapping and Analysis of the Connectome of Sympathetic Premotor Neurons in the Rostral Ventrolateral Medulla of the Rat Using a Volumetric Brain Atlas. Frontiers in Neural Circuits, 2017, 11, 9.	2.8	37
21	Adrenergic Neurons in the CNS. , 2017, , 29-37.		1
22	Respiratory modulation of sympathetic nerve activity is enhanced in male rat offspring following uteroplacental insufficiency. Respiratory Physiology and Neurobiology, 2016, 226, 147-151.	1.6	5
23	Recording, labeling, and transfection of single neurons in deep brain structures. Physiological Reports, 2015, 3, e12246.	1.7	12
24	Identification of CNS neurons with polysynaptic connections to both the sympathetic and parasympathetic innervation of the submandibular gland. Brain Structure and Function, 2015, 220, 2103-2120.	2.3	9
25	Catecholaminergic C3 Neurons Are Sympathoexcitatory and Involved in Glucose Homeostasis. Journal of Neuroscience, 2014, 34, 15110-15122.	3.6	23
26	Leptin Mediates the Increase in Blood Pressure Associated with Obesity. Cell, 2014, 159, 1404-1416.	28.9	288
27	Angiotensin type 1A receptor expression in C1 neurons of the rostral ventrolateral medulla contributes to the development of angiotensinâ€dependent hypertension. Experimental Physiology, 2014, 99, 1597-1610.	2.0	12
28	Central angiotensinergic mechanisms associated with hypertension. Autonomic Neuroscience: Basic and Clinical, 2013, 175, 85-92.	2.8	23
29	Cardiovascular role of angiotensin type1A receptors in the nucleus of the solitary tract of mice. Cardiovascular Research, 2013, 100, 181-191.	3.8	11
30	Male contraception via simultaneous knockout of Î± _{1A} -adrenoceptors and P2X1-purinoceptors in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20825-20830.	7.1	37
31	Stimulation of Angiotensin Type 1A Receptors on Catecholaminergic Cells Contributes to Angiotensin-Dependent Hypertension. Hypertension, 2013, 62, 866-871.	2.7	23
32	Baroreceptor reflex control of heart rate in angiotensin type 1A receptor knockout mice. Physiological Reports, 2013, 1, e00171.	1.7	1
33	Angiotensin type 1A receptors transfected into the nucleus tractus solitarii of AT1aâˆ’/âˆ’ mice increase blood pressure and cardiovascular responses to aversive stress. FASEB Journal, 2013, 27, 926.10.	0.5	0
34	Disruption of muscle renin-angiotensin system in AT1aâˆ’/âˆ’mice enhances muscle function despite reducing muscle mass but compromises repair after injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R321-R331.	1.8	15
35	Hypothalamic gene expression in Ï‰-3 PUFA-deficient male rats before, and following, development of hypertension. Hypertension Research, 2012, 35, 381-387.	2.7	16
36	Angiotensin Type 1A Receptors in C1 Neurons of the Rostral Ventrolateral Medulla Modulate the Pressor Response to Aversive Stress. Journal of Neuroscience, 2012, 32, 2051-2061.	3.6	41

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37	Central Angiotensin Type 1 Receptor Blockade Decreases Cardiac But Not Renal Sympathetic Nerve Activity in Heart Failure. Hypertension, 2012, 59, 634-641.	2.7	38
38	Angiotensin 1A receptors transfected into caudal ventrolateral medulla inhibit baroreflex gain and stress responses. Cardiovascular Research, 2012, 96, 330-339.	3.8	10
39	Efferent projections of C3 adrenergic neurons in the rat central nervous system. Journal of Comparative Neurology, 2012, 520, 2352-2368.	1.6	24
40	AT 1A Angiotensin Receptors in the Renal Proximal Tubule Regulate Blood Pressure. Cell Metabolism, 2011, 13, 469-475.	16.2	220
41	Role of angiotensin in the rostral ventrolateral medulla in the development and maintenance of hypertension. Current Opinion in Pharmacology, 2011, 11, 117-123.	3.5	20
42	Control of sympathetic vasomotor tone by catecholaminergic C1 neurones of the rostral ventrolateral medulla oblongata. Cardiovascular Research, 2011, 91, 703-710.	3.8	67
43	Renal proximal tubule angiotensin AT1A receptors regulate blood pressure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R1067-R1077.	1.8	76
44	Is augmented central respiratoryâ€“sympathetic coupling involved in the generation of hypertension?. Respiratory Physiology and Neurobiology, 2010, 174, 89-97.	1.6	39
45	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. Hypertension, 2010, 56, 143-150.	2.7	34
46	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
47	The Endogenous Actions of Hypothalamic Peptides on Brown Adipose Tissue Thermogenesis in the Rat. Endocrinology, 2010, 151, 4236-4246.	2.8	56
48	Cellâ€selective Expression of Angiotensin Type 1A Receptors In The Rostral Ventrolateral Medulla Of The Mouse. FASEB Journal, 2010, 24, 808.11.	0.5	0
49	Angiotensin Actions on and within Brain. , 2009, , 381-388.		0
50	Neuronal Angiotensin. , 2009, , 697-702.		5
51	Angiotensin II Type 2 Receptor Antagonizes Angiotensin II Type 1 Receptorâ€“Mediated Cardiomyocyte Autophagy. Hypertension, 2009, 53, 1032-1040.	2.7	100
52	Amplified respiratoryâ€“sympathetic coupling in the spontaneously hypertensive rat: does it contribute to hypertension?. Journal of Physiology, 2009, 587, 597-610.	2.9	178
53	The Role of Thermogenesis in Antipsychotic Drugâ€induced Weight Gain. Obesity, 2009, 17, 16-24.	3.0	93
54	The Effects of Rimonabant on Brown Adipose Tissue in Rat: Implications for Energy Expenditure. Obesity, 2009, 17, 254-261.	3.0	89

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55	Central Neural Regulation of Cardiovascular Function by Angiotensin: A Focus on the Rostral Ventrolateral Medulla. Neuroendocrinology, 2009, 89, 361-369.	2.5	31
56	Distribution of cells expressing human renin-promoter activity in the brain of a transgenic mouse. Brain Research, 2008, 1243, 78-85.	2.2	17
57	Osmoregulatory fluid intake but not hypovolemic thirst is intact in mice lacking angiotensin. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1533-R1543.	1.8	31
58	Chronic Î²₂-adrenoceptor stimulation impairs cardiac relaxation via reduced SR Ca²⁺-ATPase protein and activity. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2587-H2595.	3.2	23
59	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
60	Ciliary Neurotrophic Factor Suppresses Hypothalamic AMP-Kinase Signaling in Leptin-Resistant Obese Mice. Endocrinology, 2006, 147, 3906-3914.	2.8	92
61	Expression of Constitutively Active Angiotensin Receptors in the Rostral Ventrolateral Medulla Increases Blood Pressure. Hypertension, 2006, 47, 1054-1061.	2.7	57
62	A NEGLECTED 'ACCESSORY' VASOMOTOR PATHWAY: IMPLICATIONS FOR BLOOD PRESSURE CONTROL. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 473-477.	1.9	4
63	Structural and functional evidence supporting a role for leptin in central neural pathways influencing blood pressure in rats. Experimental Physiology, 2005, 90, 689-696.	2.0	39
64	Effect of I.C.V. injection of AT4 receptor ligands, NLE1-angiotensin IV and LVV-hemorphin 7, on spatial learning in rats. Neuroscience, 2004, 124, 341-349.	2.3	113
65	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
66	Hypothalamic paraventricular nucleus inhibition decreases renal sympathetic nerve activity in hypertensive and normotensive rats. Autonomic Neuroscience: Basic and Clinical, 2003, 108, 17-21.	2.8	51
67	The brain reninâ€“angiotensin system: location and physiological roles. International Journal of Biochemistry and Cell Biology, 2003, 35, 901-918.	2.8	445
68	Physiological Impact of Increased Expression of the AT1Angiotensin Receptor. Hypertension, 2003, 42, 507-514.	2.7	32
69	Inhibition of the Hypothalamic Paraventricular Nucleus in Spontaneously Hypertensive Rats Dramatically Reduces Sympathetic Vasomotor Tone. Hypertension, 2002, 39, 275-280.	2.7	203
70	ANP potentiates nonarterial baroreflex bradycardia: evidence from sinoaortic denervation in rats. Autonomic Neuroscience: Basic and Clinical, 2002, 97, 89-98.	2.8	17
71	Autoradiographic Localization and Quantification of Components of the Renin-Angiotensin System in Tissues. , 2001, 51, 315-337.		0
72	Baroreflex inhibition of cardiac sympathetic outflow is attenuated by angiotensin II in the nucleus of the solitary tract. Neuroscience, 2001, 103, 153-160.	2.3	64

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73	Potentiation of cholinergic transmission in the rat hippocampus by angiotensin IV and LVV-hemorphin-7. Neuropharmacology, 2001, 40, 618-623.	4.1	93
74	Neural Pathways From The Lamina Terminalis Influencing Cardiovascular And Body Fluid Homeostasis. Clinical and Experimental Pharmacology and Physiology, 2001, 28, 990-992.	1.9	87
75	Blockade of angiotensin AT1-receptors in the rostral ventrolateral medulla of spontaneously hypertensive rats reduces blood pressure and sympathetic nerve discharge. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2001, 2, S120-S124.	1.7	45
76	Review: AT1-receptors in the central nervous system. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2001, 2, S95-S101.	1.7	13
77	Chapter iii Localization of angiotensin receptors in the nervous system. Handbook of Chemical Neuroanatomy, 2000, , 79-124.	0.3	25
78	The physiological role of AT1 receptors in the ventrolateral medulla. Brazilian Journal of Medical and Biological Research, 2000, 33, 643-652.	1.5	27
79	Localization and function of angiotensin AT1 receptors. American Journal of Hypertension, 2000, 13, S31-S38.	2.0	225
80	Angiotensin II receptors in the human brain. Regulatory Peptides, 1999, 79, 1-7.	1.9	62
81	INTERACTION OF CIRCULATING HORMONES WITH THE BRAIN: THE ROLES OF THE SUBFORNICAL ORGAN AND THE ORGANUM VASCULOSUM OF THE LAMINA TERMINALIS. Clinical and Experimental Pharmacology and Physiology, 1998, 25, S61-7.	1.9	132
82	Bioactive angiotensin peptides. Journal of Human Hypertension, 1998, 12, 289-293.	2.2	40
83	Angiotensin receptors in the nervous system. Brain Research Bulletin, 1998, 47, 17-28.	3.0	216
84	Mapping tissue angiotensin-converting enzyme and angiotensin AT1, AT2 and AT4 receptors. Journal of Hypertension, 1998, 16, 2027-2037.	0.5	107
85	LOCALIZATION OF ANGIOTENSIN II RECEPTORS IN RAT KIDNEY AND BRAIN. , 1998, , 61-81.		0
86	Angiotensin II receptor subtypes in the human central nervous system. Brain Research, 1995, 675, 231-240.	2.2	90
87	Distribution of angiotensin II receptor binding in the spinal cord of the sheep. Brain Research, 1994, 650, 40-48.	2.2	33
88	Chapter 24 Synaptic and neurotransmitter regulation of activity in mammalian hypothalamic magnocellular neurosecretory cells. Progress in Brain Research, 1992, 92, 277-288.	1.4	21
89	High resolution localization of angiotensin II receptors in rat renal medulla. Kidney International, 1992, 42, 1372-1380.	5.2	78
90	Mapping of angiotensin II receptor subtype heterogeneity in rat brain. Journal of Comparative Neurology, 1992, 316, 467-484.	1.6	287

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91	Angiotensin II receptor binding associated with nigrostriatal dopaminergic neurons in human basal ganglia. Annals of Neurology, 1992, 32, 339-344.	5.3	90
92	Angiotensin II Receptor Subtypes in Rat Brain and Peripheral Tissues. Cardiology, 1991, 79, 45-54.	1.4	60
93	ANGIOTENSIN II RECEPTOR SUBTYPES IN RAT BRAIN. Clinical and Experimental Pharmacology and Physiology, 1991, 18, 93-96.	1.9	52
94	Localization and characterization of angiotensin II receptor binding sites in the human basal ganglia, thalamus, midbrain pons, and cerebellum. Journal of Comparative Neurology, 1991, 312, 291-298.	1.6	54
95	Angiotensin II Receptors in the Human Central Nervous System. , 1991, , 123-142.		2
96	The brain angiotensin system Insights from mapping its components. Trends in Endocrinology and Metabolism, 1990, 1, 189-198.	7.1	41
97	In vitro autoradiographic localization of binding to angiotensin receptors in the rat heart. International Journal of Cardiology, 1990, 28, 25-33.	1.7	57
98	Localization of angiotensin II binding sites in the bovine adrenal medulla using a labelled specific antagonist. Neuroscience, 1989, 28, 777-787.	2.3	59
99	Localization and characterization of angiotensin II receptor binding and angiotensin converting enzyme in the human medulla oblongata. Journal of Comparative Neurology, 1988, 269, 249-264.	1.6	108
100	Localization of angiotensin II receptor binding in rabbit brain by in vitro autoradiography. Journal of Comparative Neurology, 1988, 270, 372-384.	1.6	110
101	Angiotensin receptor binding in human hypothalamus: autoradiographic localization. Brain Research, 1987, 420, 375-379.	2.2	72
102	Overlapping distributions of receptors for atrial natriuretic peptide and angiotensin II visualized by <i>in vitro</i> autoradiography: morphological basis of physiological antagonism. Canadian Journal of Physiology and Pharmacology, 1987, 65, 1517-1521.	1.4	64
103	Localization and Characterization of Insulin Receptors in Rat Brain and Pituitary Gland Using<i>in Vitro</i>Autoradiography and Computerized Densitometry*. Endocrinology, 1987, 121, 1562-1570.	2.8	302
104	Angiotensin II receptor binding in the rat nucleus tractus solitarii is reduced after unilateral nodose ganglionectomy or vagotomy. European Journal of Pharmacology, 1986, 125, 305-307.	3.5	64
105	Autoradiographic localization of angiotensin receptors in the sheep brain. Brain Research, 1986, 375, 373-376.	2.2	68
106	Local Actions of Angiotensin II. Journal of Cardiovascular Pharmacology, 1986, 8, S35-39.	1.9	46