Colin Sumners

List of Publications by Year in Descending Order

242 papers	7,672 citations	49 h-index	71 g-index
251 ext. papers	8,324 ext. citations	5.1 avg, IF	5.72 L-index

#	Paper	IF	Citations
242	Targeting angiotensin type 2 receptors located on pressor neurons in the nucleus of the solitary tract to relieve hypertension in mice. *Cardiovascular Research*, **2021**,	9.9	2
241	The Renin-Angiotensin System in Hypertension, a Constantly Renewing Classic: Focus on the Angiotensin AT-Receptor. *Canadian Journal of Cardiology*, **2020**, 36, 683-693	3.8	12
240	Correcting the imbalanced protective RAS in COVID-19 with angiotensin AT2-receptor agonists. *Clinical Science*, **2020**, 134, 2987-3006	6.5	19
239	Brain angiotensin type-1 and type-2 receptors: cellular locations under normal and hypertensive conditions. *Hypertension Research*, **2020**, 43, 281-295	4.7	22
238	Brain Angiotensin Type-1 and Type-2 Receptors in Physiological and Hypertensive Conditions: Focus on Neuroinflammation. *Current Hypertension Reports*, **2020**, 22, 48	4.7	3
237	Angiotensin Type 2 Receptors: Painful, or Not?. *Frontiers in Pharmacology*, **2020**, 11, 571994	5.6	8
236	Angiotensin receptor expression revealed by reporter mice and beneficial effects of AT2R agonist in retinal cells. *Experimental Eye Research*, **2019**, 187, 107770	3.7	3
235	Impaired Autonomic Nervous System-Microbiome Circuit in Hypertension. *Circulation Research*, **2019**, 125, 104-116	15.7	47
234	Anti-fibrotic mechanisms of angiotensin AT -receptor stimulation. *Acta Physiologica*, **2019**, 227, e13280	5.6	12
233	Microglial Cells Impact Gut Microbiota and Gut Pathology in Angiotensin II-Induced Hypertension. *Circulation Research*, **2019**, 124, 727-736	15.7	52
232	Importance of AT1 and AT2 receptors in the nucleus of the solitary tract in cardiovascular responses induced by a high-fat diet. *Hypertension Research*, **2019**, 42, 439-449	4.7	11
231	Protective effects of the angiotensin II AT receptor agonist compound 21 in ischemic stroke: a nose-to-brain delivery approach. *Clinical Science*, **2018**, 132, 581-593	6.5	15
230	Neuroprotection by post-stroke administration of an oral formulation of angiotensin-(1-7) in ischaemic stroke. *Experimental Physiology*, **2018**, 103, 916-923	2.4	23
229	Identification of protein phosphatase involvement in the AT receptor-induced activation of endothelial nitric oxide synthase. *Clinical Science*, **2018**, 132, 777-790	6.5	21
228	Small-molecule AT2 receptor agonists. *Medicinal Research Reviews*, **2018**, 38, 602-624	14.4	23
227	The Selective Angiotensin II Type 2 Receptor Agonist, Compound 21, Attenuates the Progression of Lung Fibrosis and Pulmonary Hypertension in an Experimental Model of Bleomycin-Induced Lung Injury. *Frontiers in Physiology*, **2018**, 9, 180	4.6	36
226	ACE2 activator diminazene aceturate reduces adiposity but preserves lean mass in young and old rats. *Experimental Gerontology*, **2018**, 111, 133-140	4.5	7

225	Butyrate regulates inflammatory cytokine expression without affecting oxidative respiration in primary astrocytes from spontaneously hypertensive rats. *Physiological Reports*, **2018**, 6, e13732	2.6	19
224	Angiotensin 1-7 Overexpression Mediated by a Capsid-optimized AAV8 Vector Leads to Significant Growth Inhibition of Hepatocellular Carcinoma. *International Journal of Biological Sciences*, **2018**, 14, 57-68	11.2	11
223	Neuroprotection via AT receptor agonists in ischemic stroke. *Clinical Science*, **2018**, 132, 1055-1067	6.5	14
222	A Unique "Angiotensin-Sensitive" Neuronal Population Coordinates Neuroendocrine, Cardiovascular, and Behavioral Responses to Stress. *Journal of Neuroscience*, **2017**, 37, 3478-3490	6.6	50
221	Role of environmental stressors in determining the developmental outcome of neonatal anesthesia. *Psychoneuroendocrinology*, **2017**, 81, 96-104	5	17
220	Protective Angiotensin Type 2 Receptors in the Brain and Hypertension. *Current Hypertension Reports*, **2017**, 19, 46	4.7	25
219	Angiotensin II type 2 receptor promotes apoptosis and inhibits angiogenesis in bladder cancer. *Journal of Experimental and Clinical Cancer Research*, **2017**, 36, 77	12.8	33
218	AAV-Mediated angiotensin 1-7 overexpression inhibits tumor growth of lung cancer in vitro and in vivo. *Oncotarget*, **2017**, 8, 354-363	3.3	15
217	Centrally Mediated Cardiovascular Actions of the Angiotensin II Type 2 Receptor. *Trends in Endocrinology and Metabolism*, **2017**, 28, 684-693	8.8	25
216	Increased Expression of Macrophage Migration Inhibitory Factor in the Nucleus of the Solitary Tract Attenuates Renovascular Hypertension in Rats. *American Journal of Hypertension*, **2017**, 30, 435-443	2.3	11
215	Post-stroke angiotensin II type 2 receptor activation provides long-term neuroprotection in aged rats. *PLoS ONE*, **2017**, 12, e0180738	3.7	16
214	Reporter mouse strain provides a novel look at angiotensin type-2 receptor distribution in the central nervous system. *Brain Structure and Function*, **2016**, 221, 891-912	4	69
213	Overexpression of AT2R in the solitary-vagal complex improves baroreflex in the spontaneously hypertensive rat. *Neuropeptides*, **2016**, 60, 29-36	3.3	17
212	Angiotensin Type-2 Receptors Influence the Activity of Vasopressin Neurons in the Paraventricular Nucleus of the Hypothalamus in Male Mice. *Endocrinology*, **2016**, 157, 3167-80	4.8	24
211	Modulating of ocular inflammation with macrophage migration inhibitory factor is associated with notch signalling in experimental autoimmune uveitis. *Clinical and Experimental Immunology*, **2016**, 183, 280-93	6.2	9
210	Hypertension and Brain Inflammation: Role of RAS-Induced Glial Activation **2016**, 181-194		1
209	Angiotensin-(1-7) Decreases Cell Growth and Angiogenesis of Human Nasopharyngeal Carcinoma Xenografts. *Molecular Cancer Therapeutics*, **2016**, 15, 37-47	6.1	32
208	Adenovirus-Mediated Angiotensin II Type 2 Receptor Overexpression Inhibits Tumor Growth of Prostate Cancer In Vivo. *Journal of Cancer*, **2016**, 7, 184-91	4.5	8

207	Direct anti-inflammatory effects of angiotensin-(1-7) on microglia. *Journal of Neurochemistry*, **2016**, 136, 163-71	6	51
206	Serum activity of angiotensin converting enzyme 2 is decreased in patients with acute ischemic stroke. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, **2016**, 17,	3	16
205	Anesthesia with sevoflurane in neonatal rats: Developmental neuroendocrine abnormalities and alleviating effects of the corticosteroid and Cl(-) importer antagonists. *Psychoneuroendocrinology*, **2015**, 60, 173-81	5	31
204	Angiotensin type 2 receptor (AT2R) and receptor Mas: a complex liaison. *Clinical Science*, **2015**, 128, 227-34	6.5	80
203	Direct angiotensin type 2 receptor (AT2R) stimulation attenuates T-cell and microglia activation and prevents demyelination in experimental autoimmune encephalomyelitis in mice. *Clinical Science*, **2015**, 128, 95-109	6.5	32
202	Mas and Neuroprotection in Stroke **2015**, 201-205		
201	Selective activation of angiotensin AT2 receptors attenuates progression of pulmonary hypertension and inhibits cardiopulmonary fibrosis. *British Journal of Pharmacology*, **2015**, 172, 2219-31	8.6	62
200	Activation of the Neuroprotective Angiotensin-Converting Enzyme 2 in Rat Ischemic Stroke. *Hypertension*, **2015**, 66, 141-8	8.5	40
199	Novel mechanism within the paraventricular nucleus reduces both blood pressure and hypothalamic pituitary-adrenal axis responses to acute stress. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H634-45	5.2	9
198	Role of neurons and glia in the CNS actions of the renin-angiotensin system in cardiovascular control. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R444-58	3.2	38
197	Lentiviral Vectors Mediate Long-Term and High Efficiency Transgene Expression in HEK 293T cells. *International Journal of Medical Sciences*, **2015**, 12, 407-15	3.7	23
196	Angiotensin type 2 receptors: blood pressure regulation and end organ damage. *Current Opinion in Pharmacology*, **2015**, 21, 115-21	5.1	54
195	Neuroprotective mechanisms of the ACE2-angiotensin-(1-7)-Mas axis in stroke. *Current Hypertension Reports*, **2015**, 17, 3	4.7	57
194	A Nonpeptide Angiotensin II Type 2 Receptor Agonist Prevents Pulmonary Fibrosis. *FASEB Journal*, **2015**, 29, LB746	0.9	
193	Cellular Localization of the (Pro)renin Receptor within the Paraventricular Nucleus of the Hypothalamus. *FASEB Journal*, **2015**, 29, 685.19	0.9	
192	Centrally administered angiotensin-(1-7) increases the survival of stroke-prone spontaneously hypertensive rats. *Experimental Physiology*, **2014**, 99, 442-53	2.4	47
191	Increased expression of angiotensin II type 2 receptors in the solitary-vagal complex blunts renovascular hypertension. *Hypertension*, **2014**, 64, 777-83	8.5	31
190	The angiotensin type 2 receptor agonist Compound 21 elicits cerebroprotection in endothelin-1 induced ischemic stroke. *Neuropharmacology*, **2014**, 81, 134-41	5.5	53

189	Gene expression profiling associated with angiotensin II type 2 receptor-induced apoptosis in human prostate cancer cells. *PLoS ONE*, **2014**, 9, e92253	3.7	11
188	Direct pro-inflammatory effects of prorenin on microglia. *PLoS ONE*, **2014**, 9, e92937	3.7	57
187	Endocrine and neurobehavioral abnormalities induced by propofol administered to neonatal rats. *Anesthesiology*, **2014**, 121, 1010-7	4.3	28
186	Cerebroprotective action of angiotensin peptides in stroke. *Clinical Science*, **2014**, 126, 195-205	6.5	41
185	Obesity induces neuroinflammation mediated by altered expression of the renin-angiotensin system in mouse forebrain nuclei. *Physiology and Behavior*, **2014**, 136, 31-8	3.5	42
184	Protective arms of the renin-angiotensin-system in neurological disease. *Clinical and Experimental Pharmacology and Physiology*, **2013**, 40, 580-8	3	64
183	Nucleus of the solitary tract (pro)renin receptor-mediated antihypertensive effect involves nuclear factor-B-cytokine signaling in the spontaneously hypertensive rat. *Hypertension*, **2013**, 61, 622-7	8.5	31
182	Chronic knockdown of the nucleus of the solitary tract AT1 receptors increases blood inflammatory-endothelial progenitor cell ratio and exacerbates hypertension in the spontaneously hypertensive rat. *Hypertension*, **2013**, 61, 1328-33	8.5	29
181	Anti-inflammatory effects of angiotensin-(1-7) in ischemic stroke. *Neuropharmacology*, **2013**, 71, 154-63	5.5	90
180	Comment on "protective arms of the renin-angiotensin system in neurological disease": Reply. *Clinical and Experimental Pharmacology and Physiology*, **2013**, 40, 838-9	3	1
179	Macrophage migration inhibitory factor in the nucleus of solitary tract decreases blood pressure in SHRs. *Cardiovascular Research*, **2013**, 97, 153-60	9.9	14
178	Angiotensin type 1a receptors in the paraventricular nucleus of the hypothalamus protect against diet-induced obesity. *Journal of Neuroscience*, **2013**, 33, 4825-33	6.6	64
177	Neuroimmune communication in hypertension and obesity: a new therapeutic angle?. *Pharmacology & Therapeutics*, **2013**, 138, 428-40	13.9	39
176	Interleukin-10 inhibits angiotensin II-induced decrease in neuronal potassium current. *American Journal of Physiology - Cell Physiology*, **2013**, 304, C801-7	5.4	9
175	Adenoviral and adeno-associated viral vectors-mediated neuronal gene transfer to cardiovascular control regions of the rat brain. *International Journal of Medical Sciences*, **2013**, 10, 607-16	3.7	6
174	Effects of angiotensin II type 2 receptor overexpression on the growth of hepatocellular carcinoma cells in vitro and in vivo. *PLoS ONE*, **2013**, 8, e83754	3.7	32
173	Abstract TP111: Activation of the Brain Renin-Angiotensin System by Translational Approaches Following Stroke Onset Is Neuroprotective in a Rat Model of Ischemic Stroke. *Stroke*, **2013**, 44,	6.7	2
172	Increased expression of AT2 receptors in the nucleus of the solitary tract improves baroreflex function in renovascular hypertensive rats.. *FASEB Journal*, **2013**, 27, 927.10	0.9	

171	Macrophage Migration Inhibitory Factor (MIF) Acts in the Paraventricular Nucleus of the Hypothalamus (PVN) to Decrease the Corticosterone Response to Stress. *FASEB Journal*, **2013**, 27, 690.4	0.9	
170	In vitro AAV5-mediated expression of metalloendopeptidase neurolysin in mouse brain primary cultures. *FASEB Journal*, **2013**, 27, 690.7	0.9	
169	MACROPHAGE MIGRATION INHIBITORY FACTOR (MIF) DECREASES NEUROINFLAMMATION IN THE SOLITARY TRACT NUCLEUS (NTS) OF SPONTANEOUSLY HYPERTENSIVE RATS (SHR).. *FASEB Journal* , **2013**, 27, 1118.2	0.9	
168	Anti-inflammatory action of angiotensin-(1-7) and the angiotensin type 2 receptor agonist Compound 21 in hypothalamic microglia. *FASEB Journal*, **2013**, 27, 692.3	0.9	
167	Moderate cardiac-selective overexpression of angiotensin II type 2 receptor protects cardiac functions from ischaemic injury. *Experimental Physiology*, **2012**, 97, 89-101	2.4	46
166	Angiotensin II type 2 receptor-stimulated activation of plasma prekallikrein and bradykinin release: role of SHP-1. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 302, H2553-9	5.2	18
165	Repeated Restraint Stress Increases Baseline Blood Pressure in Spontaneously Hypertensive Rats. *FASEB Journal*, **2012**, 26, 1091.69	0.9	
164	Pro-inflammatory action of renin-angiotensin-aldosterone system (RAAS) in hypothalamic astrocytes from spontaneously hypertensive rats (SHR). *FASEB Journal*, **2012**, 26, 891.10	0.9	
163	Angiotensin type 2 receptors (AT2R) over expression in the nucleus of the solitary tract (NTS) attenuate renovascular hypertension. *FASEB Journal*, **2012**, 26, 1091.15	0.9	
162	The Role of Macrophage Migration Inhibitory Factor (MIF) in the Paraventricular Nucleus (PVN) During Acute Stress. *FASEB Journal*, **2012**, 26, 1091.72	0.9	
161	Microglial-neuronal interactions in the paraventricular nucleus (PVN): a potential mechanism underlying neurogenic hypertension. *FASEB Journal*, **2012**, 26, 891.3	0.9	
160	Lentivirus-mediated overexpression of angiotensin-(1-7) attenuated ischaemia-induced cardiac pathophysiology. *Experimental Physiology*, **2011**, 96, 863-74	2.4	53
159	Cerebroprotection by angiotensin-(1-7) in endothelin-1-induced ischaemic stroke. *Experimental Physiology*, **2011**, 96, 1084-96	2.4	142
158	Halogenated aromatic amino acid 3,5-dibromo-D: -tyrosine produces beneficial effects in experimental stroke and seizures. *Amino Acids*, **2011**, 40, 1151-8	3.5	2
157	MICROGLIAL ACTIVATION BY THE BRAIN RENIN-ANGIOTENSIN SYSTEM. *FASEB Journal*, **2011**, 25, 661.2	0.9	2
156	Expression of AT1, AT2 receptors, and a non-AT1, non-AT2 angiotensin II binding site in rat brain after endothelin-1 induced ischemic stroke. *FASEB Journal*, **2011**, 25, lb618	0.9	
155	Brain cytokines as neuromodulators in cardiovascular control. *Clinical and Experimental Pharmacology and Physiology*, **2010**, 37, e52-7	3	71
154	Brain microglial cytokines in neurogenic hypertension. *Hypertension*, **2010**, 56, 297-303	8.5	289

153	Involvement of the brain (pro)renin receptor in cardiovascular homeostasis. *Circulation Research*, **2010**, 107, 934-8	15.7	74
152	Role of prolylcarboxypeptidase in angiotensin II type 2 receptor-mediated bradykinin release in mouse coronary artery endothelial cells. *Hypertension*, **2010**, 56, 384-90	8.5	38
151	Macrophage migration inhibitory factor in the paraventricular nucleus plays a major role in the sympathoexcitatory response to salt. *Hypertension*, **2010**, 56, 956-63	8.5	15
150	Therapeutic implications of the vasoprotective axis of the renin-angiotensin system in cardiovascular diseases. *Hypertension*, **2010**, 55, 207-13	8.5	143
149	A current view of brain renin-angiotensin system: Is the (pro)renin receptor the missing link?. *Pharmacology & Therapeutics*, **2010**, 125, 27-38	13.9	66
148	Selective tropism of the recombinant adeno-associated virus 9 serotype for rat cardiac tissue. *Journal of Gene Medicine*, **2010**, 12, 22-34	3.5	12
147	Central hypertonic NaCl increases cytokine expression in the hypothalamic paraventricular nucleus. *FASEB Journal*, **2010**, 24, 809.8	0.9	
146	Evidence for a depressor action of AT1 receptors in the nucleus of the solitary tract (NTS). *FASEB Journal*, **2010**, 24, 809.11	0.9	
145	The RNA Binding Complex Translin-Trax Mediates Pro-Excitatory Activity in Neurons. *FASEB Journal* , **2010**, 24, 794.5	0.9	
144	Phosphate-activated glutaminase-containing neurons in the rat paraventricular nucleus express angiotensin type 1 receptors. *Hypertension*, **2009**, 54, 845-51	8.5	10
143	Candesartan pretreatment is cerebroprotective in a rat model of endothelin-1-induced middle cerebral artery occlusion. *Experimental Physiology*, **2009**, 94, 937-46	2.4	36
142	Efficacy of 3,5-dibromo-L-phenylalanine in rat models of stroke, seizures and sensorimotor gating deficit. *British Journal of Pharmacology*, **2009**, 158, 2005-13	8.6	7
141	Redox regulation of macrophage migration inhibitory factor expression in rat neurons. *Biochemical and Biophysical Research Communications*, **2009**, 390, 171-5	3.4	15
140	Angiotensin type 2 receptor-mediated apoptosis of human prostate cancer cells. *Molecular Cancer Therapeutics*, **2009**, 8, 3255-65	6.1	56
139	Paraventricular nucleus (PVN) neurons projecting to the rostral ventrolateral medulla (RVLM) contain both oxytocin and glutamate. *FASEB Journal*, **2009**, 23, 967.6	0.9	
138	Hyperosmotic evoked sympathoexcitation is blocked by overexpression of macrophage inhibitory migration factor (MIF) in the paraventricular nucleus of hypothalamus (PVN). *FASEB Journal*, **2009**, 23, 792.11	0.9	
137	Characterization of a functional (pro)renin receptor in rat brain neurons. *Experimental Physiology*, **2008**, 93, 701-8	2.4	51
136	Immunostaining evidence for PI(4,5)P2 localization at the leading edge of chemoattractant-stimulated HL-60 cells. *Journal of Leukocyte Biology*, **2008**, 84, 440-7	6.5	19

135	Macrophage migration inhibitory factor in hypothalamic paraventricular nucleus neurons decreases blood pressure in spontaneously hypertensive rats. *FASEB Journal*, **2008**, 22, 3175-85	0.9	29
134	Angiotensin II increases GABAB receptor expression in nucleus tractus solitarii of rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H2712-20	5.2	33
133	Perinatal loss of Nkx2-5 results in rapid conduction and contraction defects. *Circulation Research*, **2008**, 103, 580-90	15.7	76
132	Effects of angiotensin type 2 receptor overexpression in the rostral ventrolateral medulla on blood pressure and urine excretion in normal rats. *Hypertension*, **2008**, 51, 521-7	8.5	64
131	Glucocorticoids Enhance Expression of Angiotensin II Type 1 Receptors in the Dorsal Hindbrain. *FASEB Journal*, **2008**, 22, 1171.6	0.9	
130	Expression of functional Angiotensin II (Ang II) receptors types, AT1R and AT2R, in RVLM neuronal cultures from adult rat brain. *FASEB Journal*, **2008**, 22, 1210.12	0.9	
129	Overexpression of Angiotensin II type 2 receptor (AT2R) in neonatal cardiomyocytes induces apoptosis. *FASEB Journal*, **2008**, 22, 1238.18	0.9	1
128	Basal and angiotensin II-inhibited neuronal delayed-rectifier K+ current are regulated by thioredoxin. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C211-7	5.4	8
127	Lack of macrophage migration inhibitory factor regulation is linked to the increased chronotropic action of angiotensin II in SHR neurons. *Hypertension*, **2007**, 49, 528-34	8.5	13
126	Potentiation of the antihypertensive action of losartan by peripheral overexpression of the ANG II type 2 receptor. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H727-35	5.2	23
125	Halogenated derivatives of aromatic amino acids exhibit balanced antiglutamatergic actions: potential applications for the treatment of neurological and neuropsychiatric disorders. *Recent Patents on CNS Drug Discovery*, **2006**, 1, 261-70		3
124	Macrophage migration inhibitory factor in the PVN attenuates the central pressor and dipsogenic actions of angiotensin II. *FASEB Journal*, **2006**, 20, 1748-50	0.9	21
123	Macrophage migration inhibitory factor increases neuronal delayed rectifier K+ current. *Journal of Neurophysiology*, **2006**, 95, 1042-8	3.2	13
122	Intronic enhancement of angiotensin II type 2 receptor transgene expression in vitro and in vivo. *Biochemical and Biophysical Research Communications*, **2005**, 336, 29-35	3.4	15
121	Adenoviral-mediated neuron specific transduction of angiotensin II type 2 receptors. *Regulatory Peptides*, **2005**, 126, 213-22		8
120	Long-term changes in glutamatergic synaptic transmission in phenylketonuria. *Brain*, **2005**, 128, 300-7	11.2	37
119	A pH-dependent increase in neuronal glutamate efflux in vitro: possible involvement of ASCT1. *Brain Research*, **2005**, 1056, 105-12	3.7	8
118	Selective silencing of angiotensin receptor subtype 1a (AT1aR) by RNA interference. *Hypertension*, **2005**, 45, 115-9	8.5	25

117	Angiotensin II type 2 receptor-mediated gene expression profiling in human coronary artery endothelial cells. *Hypertension*, **2005**, 45, 692-7	8.5	17
116	NAD(P)H oxidase inhibition attenuates neuronal chronotropic actions of angiotensin II. *Circulation Research*, **2005**, 96, 659-66	15.7	95
115	Differential modulation of glutamatergic transmission by 3,5-dibromo-L-phenylalanine. *Molecular Pharmacology*, **2005**, 67, 1648-54	4.3	6
114	Prevention of cardiac hypertrophy by angiotensin II type-2 receptor gene transfer. *Hypertension*, **2004**, 43, 1233-8	8.5	49
113	Neuroprotective action of halogenated derivatives of L-phenylalanine. *Stroke*, **2004**, 35, 1192-6	6.7	30
112	Macrophage migration inhibitory factor: an intracellular inhibitor of angiotensin II-induced increases in neuronal activity. *Journal of Neuroscience*, **2004**, 24, 9944-52	6.6	49
111	Elevated blood pressure in normotensive rats produced by R knockdown R of the angiotensin type 2 receptor. *Experimental Physiology*, **2004**, 89, 313-22	2.4	15
110	Recombinant adeno-associated virus serotype 2 effectively transduces primary rat brain astrocytes and microglia. *Brain Research Protocols*, **2004**, 14, 18-24		10
109	Central angiotensin II increases biosynthesis of tyrosine hydroxylase in the rat adrenal medulla. *Biochemical and Biophysical Research Communications*, **2004**, 313, 623-6	3.4	11
108	Angiotensin II type 2 receptor gene transfer elicits cardioprotective effects in an angiotensin II infusion rat model of hypertension. *Physiological Genomics*, **2004**, 19, 255-61	3.6	45
107	Desflurane and sevoflurane attenuate oxygen and glucose deprivation-induced neuronal cell death. *Journal of Neurosurgical Anesthesiology*, **2003**, 15, 193-9	3	14
106	Drinking behavior elicited by central injection of angiotensin II: roles for protein kinase C and Ca2+/calmodulin-dependent protein kinase II. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2003**, 285, R632-40	3.2	29
105	Cytokine-stimulated inducible nitric oxide synthase expression in astroglia: role of Erk mitogen-activated protein kinase and NF-kappaB. *Glia*, **2003**, 41, 152-60	9	114
104	L-phenylalanine selectively depresses currents at glutamatergic excitatory synapses. *Journal of Neuroscience Research*, **2003**, 72, 116-24	4.4	32
103	Angiotensin II induction of AP-1 in neurons requires stimulation of PI3-K and JNK. *Biochemical and Biophysical Research Communications*, **2003**, 310, 470-7	3.4	15
102	Modulation of delayed rectifier potassium current by angiotensin II in CATH.a cells. *Biochemical and Biophysical Research Communications*, **2003**, 310, 710-4	3.4	20
101	Transduction of a functional domain of the AT1 receptor in neurons by HIV-Tat PTD. *Hypertension*, **2003**, 41, 751-6	8.5	15
100	PI3-kinase inhibitors abolish the enhanced chronotropic effects of angiotensin II in spontaneously hypertensive rat brain neurons. *Journal of Neurophysiology*, **2003**, 90, 3155-60	3.2	19

99	Angiotensin AT1 receptor signalling pathways in neurons. *Clinical and Experimental Pharmacology and Physiology*, **2002**, 29, 483-90	3	81
98	Specific inhibition of N-methyl-D-aspartate receptor function in rat hippocampal neurons by L-phenylalanine at concentrations observed during phenylketonuria. *Molecular Psychiatry*, **2002**, 7, 359-67	15.1	55
97	Chronotropic action of angiotensin II in neurons via protein kinase C and CaMKII. *Hypertension*, **2002**, 39, 562-6	8.5	43
96	Obligatory role of protein kinase Cbeta and MARCKS in vesicular trafficking in living neurons. *Hypertension*, **2002**, 39, 567-72	8.5	21
95	Hypertension-linked decrease in the expression of brain gamma-adducin. *Circulation Research*, **2002**, 91, 633-9	15.7	18
94	Characterization of mitotic neurons derived from adult rat hypothalamus and brain stem. *Journal of Neurophysiology*, **2002**, 87, 1076-85	3.2	45
93	Gene expression profiling of rat brain neurons reveals angiotensin II-induced regulation of calmodulin and synapsin I: possible role in neuromodulation. *Endocrinology*, **2001**, 142, 1009-16	4.8	12
92	Novel role of macrophage migration inhibitory factor in angiotensin II regulation of neuromodulation in rat brain. *Endocrinology*, **2001**, 142, 4623-30	4.8	24
91	ANG II-mediated inhibition of neuronal delayed rectifier K+ current: role of protein kinase C-alpha. *American Journal of Physiology - Cell Physiology*, **2001**, 281, C17-23	5.4	23
90	Chronotropic effect of angiotensin II via type 2 receptors in rat brain neurons. *Journal of Neurophysiology*, **2001**, 85, 2177-83	3.2	18
89	Oxygen and glucose deprivation-induced neuronal apoptosis is attenuated by halothane and isoflurane. *Anesthesia and Analgesia*, **2001**, 93, 1281-7	3.9	60
88	Angiotensin II-induced decrease in expression of inducible nitric oxide synthase in rat astroglial cultures: role of protein kinase C. *Journal of Neurochemistry*, **2000**, 74, 613-20	6	14
87	The angiotensin II type 2 receptor: an enigma with multiple variations. *American Journal of Physiology - Endocrinology and Metabolism*, **2000**, 278, E357-74	6	122
86	Angiotensin II increases neuronal delayed rectifier K(+) current: role of 12-lipoxygenase metabolites of arachidonic acid. *Journal of Neurophysiology*, **2000**, 84, 2494-501	3.2	29
85	Antagonism of the positive dromotropic effect of isoproterenol by adenosine: role of nitric oxide, cGMP-dependent cAMP-phosphodiesterase and protein kinase G. *Journal of Molecular and Cellular Cardiology*, **2000**, 32, 1609-19	5.8	8
84	Expression of angiotensin AT(1) and AT(2) receptors in adult rat cardiomyocytes after myocardial infarction. A single-cell reverse transcriptase-polymerase chain reaction study. *American Journal of Pathology*, **2000**, 157, 605-11	5.8	73
83	Angiotensin II decreases neuronal delayed rectifier potassium current: role of calcium/calmodulin-dependent protein kinase II. *Journal of Neurophysiology*, **1999**, 82, 1560-8	3.2	44
82	Angiotensin II type 2 receptor-mediated apoptosis of cultured neurons from newborn rat brain. *Endocrinology*, **1999**, 140, 500-9	4.8	78

81	Angiotensin II type 1 receptor-mediated inhibition of K+ channel subunit kv2.2 in brain stem and hypothalamic neurons. *Circulation Research*, **1999**, 84, 352-9	15.7	32
80	Angiotensin II type 1 receptor-modulated signaling pathways in neurons. *Molecular Neurobiology*, **1999**, 19, 25-41	6.2	36
79	Enhanced transgene expression in rat brain cell cultures with a disulfide-containing cationic lipid. *Neuroscience Letters*, **1999**, 277, 141-4	3.3	20
78	Neuronal ion channel signalling pathways: modulation by angiotensin II. *Cellular Signalling*, **1998**, 10, 303-11	4.9	35
77	Angiotensin receptors and norepinephrine neuromodulation: implications of functional coupling. *Regulatory Peptides*, **1998**, 73, 141-7		47
76	Angiotensin II in central nervous system physiology. *Regulatory Peptides*, **1998**, 78, 1-11		197
75	Regulation of alpha2A-adrenergic receptor expression by epinephrine in cultured astroglia from rat brain. *Journal of Neurochemistry*, **1998**, 70, 86-95	6	8
74	Angiotensin II stimulates activation of Fos-regulating kinase and c-Jun NH2-terminal kinase in neuronal cultures from rat brain. *Endocrinology*, **1998**, 139, 245-51	4.8	30
73	Angiotensin II type 2 receptor stimulation of neuronal delayed-rectifier potassium current involves phospholipase A2 and arachidonic acid. *Journal of Neuroscience*, **1998**, 18, 679-86	6.6	61
72	Functional interactions between neuronal AT1 and AT2 receptors. *Endocrinology*, **1997**, 138, 2195-8	4.8	59
71	Angiotensin receptors and norepinephrine neuromodulation: implications of functional coupling. *Regulatory Peptides*, **1997**, 72, 139-45		22
70	Modulation of angiotensin II type 2 receptor mRNA in rat hypothalamus and brainstem neuronal cultures by growth factors. *Molecular Brain Research*, **1997**, 47, 229-36		14
69	Mechanisms underlying the chronotropic effect of angiotensin II on cultured neurons from rat hypothalamus and brain stem. *Journal of Neurophysiology*, **1997**, 78, 1013-20	3.2	35
68	Chronic ethanol increases N-methyl-D-aspartate-stimulated nitric oxide formation but not receptor density in cultured cortical neurons. *Molecular Pharmacology*, **1997**, 51, 733-40	4.3	117
67	A-type K+ current in neurons cultured from neonatal rat hypothalamus and brain stem: modulation by angiotensin II. *Journal of Neurophysiology*, **1997**, 78, 1021-9	3.2	38
66	Regulation of alpha 2A-adrenergic receptor mRNA in rat astroglial cultures: role of cyclic AMP and protein kinase C. *Journal of Neurochemistry*, **1997**, 68, 47-57	6	10
65	Cytokine- and endotoxin-induced nitric oxide synthase in rat astroglial cultures: differential modulation by angiotensin II. *Journal of Neurochemistry*, **1997**, 68, 935-44	6	29
64	Angiotensin II regulation of intracellular calcium in astroglia cultured from rat hypothalamus and brainstem. *Journal of Neurochemistry*, **1996**, 67, 996-1004	6	22

63	Mitogen-activated protein kinases in rat brain neuronal cultures are activated by angiotensin II type 1 receptors and inhibited by angiotensin II type 2 receptors. *Journal of Biological Chemistry*, **1996**, 271, 15635-41	5.4	145
62	Angiotensin II type 2 receptor-mediated regulation of rat neuronal K+ channels. *Circulation Research*, **1996**, 79, 302-9	15.7	27
61	Angiotensin II stimulates protein phosphatase 2A activity in cultured neuronal cells via type 2 receptors in a pertussis toxin sensitive fashion. *Advances in Experimental Medicine and Biology*, **1996** , 396, 209-15	3.6	23
60	Angiotensin II type 2 receptor-mediated stimulation of protein phosphatase 2A in rat hypothalamic/brainstem neuronal cocultures. *Journal of Neurochemistry*, **1995**, 65, 2131-7	6	54
59	Regulation of secretogranin II mRNA in rat neuronal cultures. *Molecular Brain Research*, **1995**, 33, 326-32		23
58	AT1 receptors and angiotensin actions in the brain and neuronal cultures of normotensive and hypertensive rats. *Advances in Experimental Medicine and Biology*, **1995**, 377, 331-48	3.6	23
57	Regulation of angiotensin II type 1 receptor mRNA in neuronal cultures of normotensive and spontaneously hypertensive rat brains by phorbol esters and forskolin. *Journal of Neurochemistry*, **1994**, 62, 2079-84	6	15
56	Calcium-modulated inward rectification of a calcium-activated potassium channel in neurons. *Journal of Neurophysiology*, **1994**, 72, 3023-5	3.2	4
55	Peptide receptors in astroglia: focus on angiotensin II and atrial natriuretic peptide. *Glia*, **1994**, 11, 110-69		41
54	Receptor-mediated effects of angiotensin II on neurons. *Frontiers in Neuroendocrinology*, **1994**, 15, 203-38	9	63
53	Angiotensin II Inhibits Inducible Nitric Oxide Formation in Rat Astroglial Cultures. *Neuropsychopharmacology*, **1994**, 11, 274-274	8.7	
52	Angiotensin II type 2 receptor expression in neuronal cultures from spontaneously hypertensive rat brain. *Regulatory Peptides*, **1993**, 44, 181-8		11
51	Ethanol inhibits NMDA receptor-mediated excitotoxicity in rat primary neuronal cultures. *Alcoholism: Clinical and Experimental Research*, **1993**, 17, 54-60	3.7	105
50	Chronic ethanol exposure potentiates NMDA excitotoxicity in cerebral cortical neurons. *Journal of Neurochemistry*, **1993**, 60, 1578-81	6	176
49	Angiotensin II type 1 receptor mRNA levels in the brains of normotensive and spontaneously hypertensive rats. *Journal of Neurochemistry*, **1993**, 60, 1949-52	6	50
48	Norepinephrine increases angiotensin II binding in rat brain synaptosomes. *Brain Research Bulletin*, **1992**, 28, 411-5	3.9	12
47	Characterization of a polyclonal anti-peptide antibody to the angiotensin II type-1 (AT1) receptor. *Biochemical and Biophysical Research Communications*, **1992**, 183, 781-8	3.4	36
46	Changes in skin angiotensin II receptors in rats during wound healing. *Biochemical and Biophysical Research Communications*, **1992**, 187, 1083-90	3.4	78

45	Modulation of net outward current in cultured neurons by angiotensin II: involvement of AT1 and AT2 receptors. *Brain Research*, **1992**, 580, 317-24	3.7	57
44	Angiotensin II receptor subtypes are coupled with distinct signal-transduction mechanisms in neurons and astrocytes from rat brain. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 7567-71	11.5	214
43	Potentiation of angiotensin II-induced drinking by glucocorticoids is a specific glucocorticoid type II receptor (GR)-mediated event. *Brain Research*, **1991**, 552, 283-90	3.7	26
42	Expression of mineralocorticoid type I and glucocorticoid type II receptors in astrocyte glia as a function of time in culture. *Developmental Brain Research*, **1991**, 61, 55-61		30
41	Characterization of Glucocorticoid Type II Receptors in Neuronal and Glial Cultures from Rat Brain. *Journal of Neuroendocrinology*, **1990**, 2, 29-38	3.8	35
40	Alpha-1-adrenergic receptors in the nucleus tractus solitarii region of rats with experimental and genetic hypertension. *Brain Research*, **1990**, 519, 261-5	3.7	10
39	Alpha 1-adrenergic receptors in the brain: characterization in astrocytic glial cultures and comparison with neuronal cultures. *Brain Research*, **1990**, 527, 318-25	3.7	9
38	Adrenergic and calcium-mediated subcellular redistribution of protein kinase C in primary neuronal cultures. *Biochemical and Biophysical Research Communications*, **1990**, 166, 22-8	3.4	4
37	The influence of angiotensin II on catecholamine synthesis in neuronal cultures from rat brain. *Biochemical and Biophysical Research Communications*, **1990**, 167, 492-7	3.4	13
36	Effect of chronic dietary treatment with 1-tryptophan on spontaneous salt appetite of rats. *Pharmacology Biochemistry and Behavior*, **1989**, 33, 401-6	3.9	2
35	Effects of phorbol esters and a calcium ionophore on angiotensin II binding in rat brain synaptosomes. *Neurochemical Research*, **1989**, 14, 25-30	4.6	4
34	Lack of alpha-1-adrenergic receptor-mediated downregulation of angiotensin II receptors in neuronal cultures from spontaneously hypertensive rat brain. *Molecular and Cellular Biochemistry*, **1989**, 91, 111-5	4.2	5
33	Alpha 2-adrenergic receptors in neuronal and glial cultures: characterization and comparison. *Journal of Neurochemistry*, **1989**, 53, 287-96	6	19
32	Glucocorticoids potentiate the dipsogenic action of angiotensin II. *Brain Research*, **1989**, 499, 121-30	3.7	31
31	Effect of chronic dietary treatment with L-tryptophan on the maintenance of hypertension in spontaneously hypertensive rats. *Canadian Journal of Physiology and Pharmacology*, **1989**, 67, 656-62	2.4	13
30	Receptors for phorbol esters are primarily localized in neurons: comparison of neuronal and glial cultures. *Neurochemical Research*, **1988**, 13, 51-6	4.6	27
29	Phorbol ester-induced upregulation of angiotensin II receptors in neuronal cultures is potentiated by a calcium ionophore. *Journal of Neurochemistry*, **1988**, 51, 153-62	6	12
28	Irreversible binding and recovery of the norepinephrine uptake system using an alkylating derivative of norepinephrine. *Journal of Neurochemistry*, **1988**, 50, 1044-52	6	4

27	Increased expression of alpha 1-adrenergic receptors in the hypothalamus of spontaneously hypertensive rats. *Brain Research*, **1988**, 439, 187-94	3.7	10
26	Effects of increased circulating angiotensin II (AII) on fluid exchange and binding of AII in the brain. *Brain Research Bulletin*, **1988**, 20, 493-501	3.9	19
25	Neonatal rat brain astroglial dipeptidyl peptidase II activity regulation by cations and anions. *Neuroscience Letters*, **1988**, 89, 319-22	3.3	10
24	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
23	Chronic dietary administration of tryptophan prevents the development of deoxycorticosterone acetate salt induced hypertension in rats. *Canadian Journal of Physiology and Pharmacology*, **1987**, 65, 753-64	2.4	19
22	Chronic treatment with L-5-hydroxytryptophan prevents the development of DOCA-salt-induced hypertension in rats. *Journal of Hypertension*, **1987**, 5, 621-8	1.9	14
21	Distinct angiotensin II receptor in primary cultures of glial cells from rat brain. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 4655-9	11.5	59
20	Angiotensin II inhibits the K+-evoked release of [3H]norepinephrine from hypothalamic synaptosomes of the spontaneously hypertensive rat. *Brain Research*, **1987**, 403, 167-71	3.7	8
19	Dipeptidyl peptidase-II activity in cultured astroglial cells from neonatal rat brain. *Brain Research*, **1987**, 406, 113-7	3.7	13
18	Protein kinase C agonists increase the expression of angiotensin II receptors in neuronal cultures. *Journal of Neurochemistry*, **1987**, 48, 1954-61	6	14
17	Alpha 1-adrenergic receptor-mediated downregulation of angiotensin II receptors in neuronal cultures. *Journal of Neurochemistry*, **1986**, 47, 1117-26	6	28
16	Alpha 1-adrenergic receptors in neuronal cultures from rat brain: increased expression in the spontaneously hypertensive rat. *Journal of Neurochemistry*, **1986**, 47, 1190-8	6	17
15	Characteristics of the beta-adrenoreceptor from neuronal and glial cells in primary cultures of rat brain. *Journal of Neurochemistry*, **1986**, 47, 1318-26	6	23
14	Mineralocorticoids modulate central angiotensin II receptors in rats. *Brain Research*, **1986**, 382, 87-96	3.7	104
13	Sodium increases angiotensin II receptors in neuronal cultures from brains of normotensive and hypertensive rats. *Brain Research*, **1986**, 370, 265-72	3.7	9
12	Reduced dipsogenic responsiveness to intracerebroventricularly administered angiotensin II in estrogen-treated rats. *Brain Research*, **1985**, 338, 115-21	3.7	29
11	Angiotensin II stimulates changes in the norepinephrine content of primary cultures of rat brain. *Neuroscience Letters*, **1983**, 36, 305-9	3.3	26
10	Rat brain cells in primary culture: visualization and measurement of catecholamines. *Brain Research*, **1983**, 264, 267-75	3.7	34

9	A comparison of the potencies of various dopamine receptor agonists in models for pre- and postsynaptic receptor activity. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **1983**, 324, 108-15	3.4	41
8	Central pressor action of neurotensin in conscious rats. *Hypertension*, **1982**, 4, 888-93	8.5	36
7	Involvement of both dopaminergic and alpha-adrenergic receptors in the hypomotility induced by dibenzoyl-6,7-ADTN. *European Journal of Pharmacology*, **1981**, 70, 541-50	5.3	17
6	Effects of specific dopamine lesions and dopamine receptor sensitivity on angiotensin II- and carbachol-induced thirst in rats. *Psychopharmacology*, **1981**, 73, 180-3	4.7	21
5	Neurochemical and behavioural profiles of five dopamine analogues. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **1981**, 316, 304-10	3.4	6
4	The effect of neuroleptic drugs on drinking induced by central administration of angiotensin or carbachol. *Psychopharmacology*, **1979**, 60, 291-4	4.7	26
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