

# Mohan K Raizada

## List of Publications by Citations

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244  
papers

12,987  
citations

61  
h-index

107  
g-index

249  
ext. papers

15,003  
ext. citations

5.8  
avg, IF

6.5  
L-index

#	Paper	IF	Citations
244	Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2. <i>Circulation Research</i> , <b>2020</b> , 126, 1456-1474	15.7	1012
243	Gut dysbiosis is linked to hypertension. <i>Hypertension</i> , <b>2015</b> , 65, 1331-40	8.5	716
242	Brain microglial cytokines in neurogenic hypertension. <i>Hypertension</i> , <b>2010</b> , 56, 297-303	8.5	289
241	Prevention of angiotensin II-induced cardiac remodeling by angiotensin-(1-7). <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H736-42	5.2	281
240	Hypertension-Linked Pathophysiological Alterations in the Gut. <i>Circulation Research</i> , <b>2017</b> , 120, 312-323	15.7	247
239	Structure-based identification of small-molecule angiotensin-converting enzyme 2 activators as novel antihypertensive agents. <i>Hypertension</i> , <b>2008</b> , 51, 1312-7	8.5	207
238	Evidence for angiotensin-converting enzyme 2 as a therapeutic target for the prevention of pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 179, 1048-54	10.2	206
237	The angiotensin-converting enzyme 2/angiogenesis-(1-7)/Mas axis confers cardiopulmonary protection against lung fibrosis and pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 1065-72	10.2	204
236	Brain renin-angiotensin system dysfunction in hypertension: recent advances and perspectives. <i>British Journal of Pharmacology</i> , <b>2003</b> , 139, 191-202	8.6	202
235	The gut microbiota and the brain-gut-kidney axis in hypertension and chronic kidney disease. <i>Nature Reviews Nephrology</i> , <b>2018</b> , 14, 442-456	14.9	199
234	Genetic ablation of the BMPR2 gene in pulmonary endothelium is sufficient to predispose to pulmonary arterial hypertension. <i>Circulation</i> , <b>2008</b> , 118, 722-30	16.7	196
233	Real-time imaging of de novo arteriovenous malformation in a mouse model of hereditary hemorrhagic telangiectasia. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 3487-96	15.9	194
232	Increased human intestinal barrier permeability plasma biomarkers zonulin and FABP2 correlated with plasma LPS and altered gut microbiome in anxiety or depression. <i>Gut</i> , <b>2018</b> , 67, 1555-1557	19.2	189
231	Protection from angiotensin II-induced cardiac hypertrophy and fibrosis by systemic lentiviral delivery of ACE2 in rats. <i>Experimental Physiology</i> , <b>2005</b> , 90, 783-90	2.4	186
230	Insulin and insulin-like growth factor receptors in the nervous system. <i>Molecular Neurobiology</i> , <b>1989</b> , 3, 71-100	6.2	185
229	The cellular and physiological actions of insulin in the central nervous system. <i>Neurochemistry International</i> , <b>1993</b> , 22, 1-10	4.4	182
228	Imbalance of gut microbiome and intestinal epithelial barrier dysfunction in patients with high blood pressure. <i>Clinical Science</i> , <b>2018</b> , 132, 701-718	6.5	177

227	ACE2 gene transfer attenuates hypertension-linked pathophysiological changes in the SHR. <i>Physiological Genomics</i> , <b>2006</b> , 27, 12-9	3.6	161
226	Angiotensin II-induced nuclear targeting of the angiotensin type 1 (AT1) receptor in brain neurons. <i>Endocrinology</i> , <b>1998</b> , 139, 365-75	4.8	152
225	Overexpression of angiotensin-converting enzyme 2 in the rostral ventrolateral medulla causes long-term decrease in blood pressure in the spontaneously hypertensive rats. <i>Hypertension</i> , <b>2007</b> , 49, 926-31	8.5	148
224	Insulin inhibits pyramidal neurons in hippocampal slices. <i>Brain Research</i> , <b>1984</b> , 309, 187-91	3.7	147
223	Autonomic-immune-vascular interaction: an emerging concept for neurogenic hypertension. <i>Hypertension</i> , <b>2011</b> , 57, 1026-33	8.5	144
222	Therapeutic implications of the vasoprotective axis of the renin-angiotensin system in cardiovascular diseases. <i>Hypertension</i> , <b>2010</b> , 55, 207-13	8.5	143
221	Cerebroprotection by angiotensin-(1-7) in endothelin-1-induced ischaemic stroke. <i>Experimental Physiology</i> , <b>2011</b> , 96, 1084-96	2.4	142
220	Structure-based discovery of a novel angiotensin-converting enzyme 2 inhibitor. <i>Hypertension</i> , <b>2004</b> , 44, 903-6	8.5	142
219	Efficient large-scale production and concentration of HIV-1-based lentiviral vectors for use in vivo. <i>Physiological Genomics</i> , <b>2003</b> , 12, 221-8	3.6	139
218	ACE2: a new target for cardiovascular disease therapeutics. <i>Journal of Cardiovascular Pharmacology</i> , <b>2007</b> , 50, 112-9	3.1	132
217	Insulin is released from rat brain neuronal cells in culture. <i>Journal of Neurochemistry</i> , <b>1986</b> , 47, 831-6	6	131
216	Prevention of pulmonary hypertension by Angiotensin-converting enzyme 2 gene transfer. <i>Hypertension</i> , <b>2009</b> , 54, 365-71	8.5	128
215	ACE2 and Ang-(1-7) confer protection against development of diabetic retinopathy. <i>Molecular Therapy</i> , <b>2012</b> , 20, 28-36	11.7	127
214	Immunohistochemical mapping of angiotensin AT1 receptors in the brain. <i>Regulatory Peptides</i> , <b>1993</b> , 44, 95-107		126
213	Cardiac overexpression of angiotensin converting enzyme 2 protects the heart from ischemia-induced pathophysiology. <i>Hypertension</i> , <b>2008</b> , 51, 712-8	8.5	122
212	Diminazene attenuates pulmonary hypertension and improves angiogenic progenitor cell functions in experimental models. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 648-57	10.2	117
211	Involvement of bone marrow cells and neuroinflammation in hypertension. <i>Circulation Research</i> , <b>2015</b> , 117, 178-91	15.7	116
210	Development of brain insulin receptors: structural and functional studies of insulin receptors from whole brain and primary cell cultures. <i>Endocrinology</i> , <b>1986</b> , 119, 25-35	4.8	112

209	Localization of insulin-like immunoreactivity in the neurons from primary cultures of rat brain. <i>Experimental Cell Research</i> , <b>1983</b> , 143, 351-7	4.2	111
208	Regulation of rat brain/HepG2 glucose transporter gene expression by insulin and insulin-like growth factor-I in primary cultures of neuronal and glial cells. <i>Endocrinology</i> , <b>1989</b> , 125, 314-20	4.8	110
207	ACE2 activation promotes antithrombotic activity. <i>Molecular Medicine</i> , <b>2010</b> , 16, 210-5	6.2	108
206	Oral delivery of Angiotensin-converting enzyme 2 and Angiotensin-(1-7) bioencapsulated in plant cells attenuates pulmonary hypertension. <i>Hypertension</i> , <b>2014</b> , 64, 1248-59	8.5	107
205	Binding of [ <sup>125</sup> I]insulin to specific receptors and stimulation of nucleotide incorporation in cells cultured from rat brain. <i>Brain Research</i> , <b>1980</b> , 200, 389-400	3.7	107
204	NAD(P)H oxidase inhibition attenuates neuronal chronotropic actions of angiotensin II. <i>Circulation Research</i> , <b>2005</b> , 96, 659-66	15.7	95
203	Angiotensin-converting enzyme 2 activation protects against hypertension-induced cardiac fibrosis involving extracellular signal-regulated kinases. <i>Experimental Physiology</i> , <b>2011</b> , 96, 287-94	2.4	90
202	Critical Role of the Interaction Gut Microbiota - Sympathetic Nervous System in the Regulation of Blood Pressure. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 231	4.6	89
201	Diminazene aceturate enhances angiotensin-converting enzyme 2 activity and attenuates ischemia-induced cardiac pathophysiology. <i>Hypertension</i> , <b>2013</b> , 62, 746-52	8.5	84
200	Activation of the ACE2/angiotensin-(1-7)/Mas receptor axis enhances the reparative function of dysfunctional diabetic endothelial progenitors. <i>Diabetes</i> , <b>2013</b> , 62, 1258-69	0.9	83
199	ACE2, a promising therapeutic target for pulmonary hypertension. <i>Current Opinion in Pharmacology</i> , <b>2011</b> , 11, 150-5	5.1	79
198	The Gut, Its Microbiome, and Hypertension. <i>Current Hypertension Reports</i> , <b>2017</b> , 19, 36	4.7	78
197	Angiotensin-converting enzyme 2 priming enhances the function of endothelial progenitor cells and their therapeutic efficacy. <i>Hypertension</i> , <b>2013</b> , 61, 681-9	8.5	78
196	Role of phosphatidylinositol 3-kinase in angiotensin II regulation of norepinephrine neuromodulation in brain neurons of the spontaneously hypertensive rat. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 2413-23	6.6	75
195	Brain-Gut-Bone Marrow Axis: Implications for Hypertension and Related Therapeutics. <i>Circulation Research</i> , <b>2016</b> , 118, 1327-36	15.7	74
194	ACE2 overexpression inhibits hypoxia-induced collagen production by cardiac fibroblasts. <i>Clinical Science</i> , <b>2007</b> , 113, 357-64	6.5	72
193	Angiotensin-converting enzyme 2 activation improves endothelial function. <i>Hypertension</i> , <b>2013</b> , 61, 1233-8	3.8	71
192	Brain cytokines as neuromodulators in cardiovascular control. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2010</b> , 37, e52-7	3	71

191	Altered inflammatory response is associated with an impaired autonomic input to the bone marrow in the spontaneously hypertensive rat. <i>Hypertension</i> , <b>2014</b> , 63, 542-50	8.5	70
190	ACE2: A novel therapeutic target for cardiovascular diseases. <i>Progress in Biophysics and Molecular Biology</i> , <b>2006</b> , 91, 163-98	4.7	70
189	ACE2 and Microbiota: Emerging Targets for Cardiopulmonary Disease Therapy. <i>Journal of Cardiovascular Pharmacology</i> , <b>2015</b> , 66, 540-50	3.1	67
188	Increasing brain angiotensin converting enzyme 2 activity decreases anxiety-like behavior in male mice by activating central Mas receptors. <i>Neuropharmacology</i> , <b>2016</b> , 105, 114-123	5.5	66
187	A current view of brain renin-angiotensin system: Is the (pro)renin receptor the missing link?. <i>Pharmacology &amp; Therapeutics</i> , <b>2010</b> , 125, 27-38	13.9	66
186	Regulation of neuromodulatory actions of angiotensin II in the brain neurons by the Ras-dependent mitogen-activated protein kinase pathway. <i>Journal of Neuroscience</i> , <b>1996</b> , 16, 4047-58	6.6	64
185	Insulin receptors in the brain: structural and physiological characterization. <i>Neurochemical Research</i> , <b>1988</b> , 13, 297-303	4.6	64
184	Oral administration of an angiotensin-converting enzyme 2 activator ameliorates diabetes-induced cardiac dysfunction. <i>Regulatory Peptides</i> , <b>2012</b> , 177, 107-15		61
183	Contributions of vascular inflammation in the brainstem for neurogenic hypertension. <i>Respiratory Physiology and Neurobiology</i> , <b>2011</b> , 178, 422-8	2.8	61
182	Intestinal Permeability Biomarker Zonulin is Elevated in Healthy Aging. <i>Journal of the American Medical Directors Association</i> , <b>2017</b> , 18, 810.e1-810.e4	5.9	60
181	Insulin receptors and insulin action in dissociated brain cells. <i>Brain Research</i> , <b>1987</b> , 417, 247-56	3.7	58
180	Altered Gut Microbiome Profile in Patients With Pulmonary Arterial Hypertension. <i>Hypertension</i> , <b>2020</b> , 75, 1063-1071	8.5	57
179	Direct pro-inflammatory effects of prorenin on microglia. <i>PLoS ONE</i> , <b>2014</b> , 9, e92937	3.7	57
178	Impact of antibiotics on arterial blood pressure in a patient with resistant hypertension - A case report. <i>International Journal of Cardiology</i> , <b>2015</b> , 201, 157-8	3.2	54
177	Probiotics Prevent Dysbiosis and the Rise in Blood Pressure in Genetic Hypertension: Role of Short-Chain Fatty Acids. <i>Molecular Nutrition and Food Research</i> , <b>2020</b> , 64, e1900616	5.9	53
176	Lentivirus-mediated overexpression of angiotensin-(1-7) attenuated ischaemia-induced cardiac pathophysiology. <i>Experimental Physiology</i> , <b>2011</b> , 96, 863-74	2.4	53
175	Insulin inhibits specific norepinephrine uptake in neuronal cultures from rat brain. <i>Brain Research</i> , <b>1986</b> , 398, 1-5	3.7	53
174	Microglial Cells Impact Gut Microbiota and Gut Pathology in Angiotensin II-Induced Hypertension. <i>Circulation Research</i> , <b>2019</b> , 124, 727-736	15.7	52

173	Brain-mediated dysregulation of the bone marrow activity in angiotensin II-induced hypertension. <i>Hypertension</i> , <b>2012</b> , 60, 1316-23	8.5	51
172	New cardiovascular and pulmonary therapeutic strategies based on the Angiotensin-converting enzyme 2/angiotensin-(1-7)/mas receptor axis. <i>International Journal of Hypertension</i> , <b>2012</b> , 2012, 147825 <sup>2-4</sup>	2.4	51
171	Characterization of a functional (pro)renin receptor in rat brain neurons. <i>Experimental Physiology</i> , <b>2008</b> , 93, 701-8	2.4	51
170	Role of the immune system in vascular function and blood pressure control induced by faecal microbiota transplantation in rats. <i>Acta Physiologica</i> , <b>2019</b> , 227, e13285	5.6	50
169	Expression of Human ACE2 in Lactobacillus and Beneficial Effects in Diabetic Retinopathy in Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2019</b> , 14, 161-170	6.4	50
168	Upregulation of Angiotensin (1-7)-Mediated Signaling Preserves Endothelial Function Through Reducing Oxidative Stress in Diabetes. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 880-92	8.4	50
167	Angiotensin II type 1 receptor mRNA levels in the brains of normotensive and spontaneously hypertensive rats. <i>Journal of Neurochemistry</i> , <b>1993</b> , 60, 1949-52	6	50
166	Prevention of cardiac hypertrophy by angiotensin II type-2 receptor gene transfer. <i>Hypertension</i> , <b>2004</b> , 43, 1233-8	8.5	49
165	Effects of insulin on cultured rat brain cells: stimulation of ornithine decarboxylase activity. <i>Journal of Neurochemistry</i> , <b>1981</b> , 36, 1050-7	6	48
164	Impaired Autonomic Nervous System-Microbiome Circuit in Hypertension. <i>Circulation Research</i> , <b>2019</b> , 125, 104-116	15.7	47
163	CNS inflammation and bone marrow neuropathy in type 1 diabetes. <i>American Journal of Pathology</i> , <b>2013</b> , 183, 1608-20	5.8	46
162	Angiotensin II type 2 receptor gene transfer elicits cardioprotective effects in an angiotensin II infusion rat model of hypertension. <i>Physiological Genomics</i> , <b>2004</b> , 19, 255-61	3.6	45
161	Blood pressure-independent attenuation of cardiac hypertrophy by AT(1)R-AS gene therapy. <i>Hypertension</i> , <b>2002</b> , 39, 969-75	8.5	43
160	Chronotropic action of angiotensin II in neurons via protein kinase C and CaMKII. <i>Hypertension</i> , <b>2002</b> , 39, 562-6	8.5	43
159	Adult-level insulin binding is present in term fetal rat CNS membranes. <i>Brain Research</i> , <b>1982</b> , 249, 390-2	3.7	43
158	Vasoreparative dysfunction of CD34+ cells in diabetic individuals involves hypoxic desensitization and impaired autocrine/paracrine mechanisms. <i>PLoS ONE</i> , <b>2014</b> , 9, e93965	3.7	42
157	Angiotensin II Regulation of Proliferation, Differentiation, and Engraftment of Hematopoietic Stem Cells. <i>Hypertension</i> , <b>2016</b> , 67, 574-84	8.5	41
156	Peptide receptors in astroglia: focus on angiotensin II and atrial natriuretic peptide. <i>Glia</i> , <b>1994</b> , 11, 110-69		41

155	Angiotensin-converting enzyme 2 inhibits high-mobility group box 1 and attenuates cardiac dysfunction post-myocardial ischemia. <i>Journal of Molecular Medicine</i> , <b>2016</b> , 94, 37-49	5.5	40
154	Increased PI3-kinase in presympathetic brain areas of the spontaneously hypertensive rat. <i>Circulation Research</i> , <b>2005</b> , 96, 277-9	15.7	40
153	Neuroimmune communication in hypertension and obesity: a new therapeutic angle?. <i>Pharmacology &amp; Therapeutics</i> , <b>2013</b> , 138, 428-40	13.9	39
152	ACE2/Ang-(1-7)/Mas axis stimulates vascular repair-relevant functions of CD34+ cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 309, H1697-707	5.2	38
151	Activation of angiotensin-converting enzyme 2/angiotensin-(1-7)/Mas axis attenuates the cardiac reactivity to acute emotional stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 305, H1057-67	5.2	38
150	Insulin-like growth factor I receptor binding in brains of Alzheimer's and alcoholic patients. <i>Journal of Neurochemistry</i> , <b>1992</b> , 58, 1205-10	6	38
149	Insulin-like growth factor I (IGF-I) receptors and IGF-I action in oligodendrocytes from rat brains. <i>Regulatory Peptides</i> , <b>1991</b> , 33, 117-31		38
148	ACE2 (Angiotensin-Converting Enzyme 2) in Cardiopulmonary Diseases: Ramifications for the Control of SARS-CoV-2. <i>Hypertension</i> , <b>2020</b> , 76, 651-661	8.5	38
147	Sustained Captopril-Induced Reduction in Blood Pressure Is Associated With Alterations in Gut-Brain Axis in the Spontaneously Hypertensive Rat. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e010721	6	37
146	Cloning and characterization of a secreted form of angiotensin-converting enzyme 2. <i>Regulatory Peptides</i> , <b>2004</b> , 122, 61-7		37
145	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. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 180	4.6	36
144	Targeting the vasoprotective axis of the renin-angiotensin system: a novel strategic approach to pulmonary hypertensive therapy. <i>Current Hypertension Reports</i> , <b>2010</b> , 12, 212-9	4.7	36
143	Angiotensin II type 1 receptor-modulated signaling pathways in neurons. <i>Molecular Neurobiology</i> , <b>1999</b> , 19, 25-41	6.2	36
142	Therapeutic potential of adipose stem cell-derived conditioned medium against pulmonary hypertension and lung fibrosis. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 2859-79	8.6	35
141	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. <i>Diabetes</i> , <b>2020</b> , 69, 1875-1886	0.9	35
140	Insulin and IGF-I stimulate phosphorylation of their respective receptors in intact neuronal and glial cells in primary culture. <i>Journal of Molecular Neuroscience</i> , <b>1989</b> , 1, 3-8	3.3	34
139	Diminazene aceturate improves autonomic modulation in pulmonary hypertension. <i>European Journal of Pharmacology</i> , <b>2013</b> , 713, 89-93	5.3	33
138	Report of the National Heart, Lung, and Blood Institute Working Group on the Role of Microbiota in Blood Pressure Regulation: Current Status and Future Directions. <i>Hypertension</i> , <b>2017</b> ,	8.5	33

137	A Single Angiotensin II Hypertensive Stimulus Is Associated with Prolonged Neuronal and Immune System Activation in Wistar-Kyoto Rats. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 592	4.6	33
136	Functional neural-bone marrow pathways: implications in hypertension and cardiovascular disease. <i>Hypertension</i> , <b>2014</b> , 63, e129-39	8.5	32
135	Angiotensin-(1-7) as an antihypertensive, antifibrotic target. <i>Current Hypertension Reports</i> , <b>2008</b> , 10, 227-32	3.7	32
134	Losartan versus gene therapy: chronic control of high blood pressure in spontaneously hypertensive rats. <i>Hypertension</i> , <b>1997</b> , 30, 363-70	8.5	32
133	Sustained inhibition of angiotensin I-converting enzyme (ACE) expression and long-term antihypertensive action by virally mediated delivery of ACE antisense cDNA. <i>Circulation Research</i> , <b>1999</b> , 85, 614-22	15.7	31
132	SMAD1 deficiency in either endothelial or smooth muscle cells can predispose mice to pulmonary hypertension. <i>Hypertension</i> , <b>2013</b> , 61, 1044-52	8.5	30
131	Angiotensin-converting enzyme 2 as a novel target for gene therapy for hypertension. <i>Experimental Physiology</i> , <b>2005</b> , 90, 299-305	2.4	30
130	Maternal Treatment With Captopril Persistently Alters Gut-Brain Communication and Attenuates Hypertension of Male Offspring. <i>Hypertension</i> , <b>2020</b> , 75, 1315-1324	8.5	29
129	Alpha 1-adrenergic receptor-mediated downregulation of angiotensin II receptors in neuronal cultures. <i>Journal of Neurochemistry</i> , <b>1986</b> , 47, 1117-26	6	28
128	AT1 receptor density changes during development of hypertension in hyperinsulinemic rats. <i>Clinical and Experimental Hypertension</i> , <b>1996</b> , 18, 793-810	2.2	28
127	Involvement of Neuroinflammation in the Pathogenesis of Monocrotaline-Induced Pulmonary Hypertension. <i>Hypertension</i> , <b>2018</b> , 71, 1156-1163	8.5	27
126	Gut microbiota and serum metabolite differences in African Americans and White Americans with high blood pressure. <i>International Journal of Cardiology</i> , <b>2018</b> , 271, 336-339	3.2	27
125	Coupling corticotropin-releasing-hormone and angiotensin converting enzyme 2 dampens stress responsiveness in male mice. <i>Neuropharmacology</i> , <b>2018</b> , 133, 85-93	5.5	26
124	Anti-hypertensive Effects of Diminazene Aceturate: An Angiotensin- Converting Enzyme 2 Activator in Rats. <i>Protein and Peptide Letters</i> , <b>2016</b> , 23, 9-16	1.9	26
123	Shift to an involvement of phosphatidylinositol 3-kinase in angiotensin II actions on nucleus tractus solitarii neurons of the spontaneously hypertensive rat. <i>Circulation Research</i> , <b>2009</b> , 105, 1248-55	15.7	26
122	MAP kinase-independent signaling in angiotensin II regulation of neuromodulation in SHR neurons. <i>Hypertension</i> , <b>1998</b> , 32, 473-81	8.5	26
121	Selective silencing of angiotensin receptor subtype 1a (AT1aR) by RNA interference. <i>Hypertension</i> , <b>2005</b> , 45, 115-9	8.5	25
120	Gut Microbiota: Potential for a Unifying Hypothesis for Prevention and Treatment of Hypertension. <i>Circulation Research</i> , <b>2017</b> , 120, 1724-1726	15.7	24

119	Depression phenotype identified by using single nucleotide exact amplicon sequence variants of the human gut microbiome. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 4277-4287	15.1	24
118	Angiotensin IV receptor-mediated activation of lung endothelial NOS is associated with vasorelaxation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1998</b> , 275, L1061-1068	5.8	24
117	Hypertension-linked mechanical changes of rat gut. <i>Acta Biomaterialia</i> , <b>2016</b> , 45, 296-302	10.8	23
116	Chronic activation of endogenous angiotensin-converting enzyme 2 protects diabetic rats from cardiovascular autonomic dysfunction. <i>Experimental Physiology</i> , <b>2012</b> , 97, 699-709	2.4	23
115	Gene transfer of angiotensin-converting enzyme 2 in the nucleus tractus solitarius improves baroreceptor heart rate reflex in spontaneously hypertensive rats. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2011</b> , 12, 456-61	3	23
114	Are we poised to target ACE2 for the next generation of antihypertensives?. <i>Journal of Molecular Medicine</i> , <b>2008</b> , 86, 685-90	5.5	23
113	Characteristics of the beta-adrenoreceptor from neuronal and glial cells in primary cultures of rat brain. <i>Journal of Neurochemistry</i> , <b>1986</b> , 47, 1318-26	6	23
112	ANG II-mediated inhibition of neuronal delayed rectifier K <sup>+</sup> current: role of protein kinase C-alpha. <i>American Journal of Physiology - Cell Physiology</i> , <b>2001</b> , 281, C17-23	5.4	23
111	Lack of cross talk between alpha1-adrenergic and angiotensin type 1 receptors in neurons of spontaneously hypertensive rat brain. <i>Hypertension</i> , <b>1996</b> , 27, 1277-83	8.5	23
110	Dysfunctional brain-bone marrow communication: a paradigm shift in the pathophysiology of hypertension. <i>Current Hypertension Reports</i> , <b>2013</b> , 15, 377-89	4.7	21
109	Potential of gene therapy strategy for the treatment of hypertension. <i>Hypertension</i> , <b>2006</b> , 47, 6-9	8.5	21
108	Biosynthesis of angiotensinogen and angiotensins by brain cells in primary culture. <i>Journal of Neurochemistry</i> , <b>1988</b> , 51, 398-405	6	21
107	Elevated bone marrow sympathetic drive precedes systemic inflammation in angiotensin II hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 317, H279-H289	5.2	20
106	Insulin-like growth factor I receptors and IGF-I actions in neuronal cultures from the brain. <i>Annals of the New York Academy of Sciences</i> , <b>1993</b> , 692, 89-101	6.5	19
105	Alpha 2-adrenergic receptors in neuronal and glial cultures: characterization and comparison. <i>Journal of Neurochemistry</i> , <b>1989</b> , 53, 287-96	6	19
104	Angiotensin II-induced phosphorylation of the AT1 receptor from rat brain neurons. <i>Hypertension</i> , <b>1997</b> , 30, 351-7	8.5	19
103	Butyrate Regulates COVID-19-Relevant Genes in Gut Epithelial Organoids From Normotensive Rats. <i>Hypertension</i> , <b>2021</b> , 77, e13-e16	8.5	19
102	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 220	4.6	18

101	Hypertension-linked decrease in the expression of brain gamma-adducin. <i>Circulation Research</i> , <b>2002</b> , 91, 633-9	15.7	18
100	Angiotensin I-converting enzyme antisense gene therapy causes permanent antihypertensive effects in the SHR. <i>Hypertension</i> , <b>2000</b> , 35, 202-8	8.5	18
99	Diminazene enhances stability of atherosclerotic plaques in ApoE-deficient mice. <i>Vascular Pharmacology</i> , <b>2015</b> , 74, 103-113	5.9	17
98	Gut Pathology and Its Rescue by ACE2 (Angiotensin-Converting Enzyme 2) in Hypoxia-Induced Pulmonary Hypertension. <i>Hypertension</i> , <b>2020</b> , 76, 206-216	8.5	17
97	Report of the National Heart, Lung, and Blood Institute Working Group on Hypertension: Barriers to Translation. <i>Hypertension</i> , <b>2020</b> , 75, 902-917	8.5	17
96	Area-specific differences in transmitter release in central catecholaminergic neurons of spontaneously hypertensive rats. <i>Hypertension</i> , <b>2008</b> , 52, 351-8	8.5	17
95	Alpha 1-adrenergic receptors in neuronal cultures from rat brain: increased expression in the spontaneously hypertensive rat. <i>Journal of Neurochemistry</i> , <b>1986</b> , 47, 1190-8	6	17
94	Probiotic Bifidobacterium breve prevents DOCA-salt hypertension. <i>FASEB Journal</i> , <b>2020</b> , 34, 13626-13640	9	17
93	Increased expression of calreticulin is linked to ANG IV-mediated activation of lung endothelial NOS. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1999</b> , 277, L794-801	5.8	16
92	Metabolism of angiotensin peptides by neuronal and glial cultures from rat brain. <i>Journal of Neurochemistry</i> , <b>1989</b> , 52, 863-8	6	16
91	Development of brain insulin receptors. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1988</b> , 20, 225-30		16
90	Transcriptomic signature of gut microbiome-contacting cells in colon of spontaneously hypertensive rats. <i>Physiological Genomics</i> , <b>2020</b> , 52, 121-132	3.6	16
89	Regulation of angiotensin II type 1 receptor mRNA in neuronal cultures of normotensive and spontaneously hypertensive rat brains by phorbol esters and forskolin. <i>Journal of Neurochemistry</i> , <b>1994</b> , 62, 2079-84	6	15
88	Functional genomics as an emerging strategy for the investigation of central mechanisms in experimental hypertension. <i>Progress in Biophysics and Molecular Biology</i> , <b>2004</b> , 84, 107-23	4.7	15
87	Therapeutic Potential of Systemic Gene Transfer Strategy for Hypertension and Cardiovascular Disease <b>2007</b> , 429-445		15
86	Characterization of signal transduction pathway in neurotropic action of angiotensin II in brain neurons. <i>Endocrinology</i> , <b>2001</b> , 142, 3502-11	4.8	14
85	Growth factor-induced neurite growth in primary neuronal cultures of dogs with neuronal ceroid lipofuscinosis. <i>International Journal of Developmental Neuroscience</i> , <b>1994</b> , 12, 185-96	2.7	14
84	Protein kinase C agonists increase the expression of angiotensin II receptors in neuronal cultures. <i>Journal of Neurochemistry</i> , <b>1987</b> , 48, 1954-61	6	14

83	Lack of macrophage migration inhibitory factor regulation is linked to the increased chronotropic action of angiotensin II in SHR neurons. <i>Hypertension</i> , <b>2007</b> , 49, 528-34	8.5	13
82	Pulmonary hypertension: Pathophysiology beyond the lung. <i>Pharmacological Research</i> , <b>2020</b> , 151, 104518	6.2	13
81	Diminazene protects corpus cavernosum against hypercholesterolemia-induced injury. <i>Journal of Sexual Medicine</i> , <b>2015</b> , 12, 289-302	1.1	12
80	Spectral imaging reveals microvessel physiology and function from anastomoses to thromboses. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 011111	3.5	12
79	Decrease in hypothalamic gamma adducin in rat models of hypertension. <i>Hypertension</i> , <b>2004</b> , 43, 324-8	8.5	12
78	Genomic and proteomic approaches for targeting of angiotensin-converting enzyme2 for cardiovascular diseases. <i>Current Opinion in Cardiology</i> , <b>2008</b> , 23, 364-9	2.1	11
77	Gene therapy for cardiovascular disorders: is there a future?. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 953, 31-42	6.5	11
76	Insulin stimulates phosphatidylinositol 3-kinase activity in rat neuronal primary cultures. <i>Journal of Neurochemistry</i> , <b>1993</b> , 61, 360-3	6	11
75	Pulmonary arterial hypertension-associated changes in gut pathology and microbiota. <i>ERJ Open Research</i> , <b>2020</b> , 6,	3.5	11
74	Angiotensin-converting enzyme 2 and COVID-19 in cardiorenal diseases. <i>Clinical Science</i> , <b>2021</b> , 135, 1-17	6.5	11
73	Response by Gheblawi et al to Letter Regarding Article, "Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2". <i>Circulation Research</i> , <b>2020</b> , 127, e46-e47	15.7	10
72	Neuroinflammation in pulmonary hypertension: concept, facts, and relevance. <i>Current Hypertension Reports</i> , <b>2014</b> , 16, 469	4.7	10
71	Phosphate-activated glutaminase-containing neurons in the rat paraventricular nucleus express angiotensin type 1 receptors. <i>Hypertension</i> , <b>2009</b> , 54, 845-51	8.5	10
70	Reversal of hypertension by angiotensin II type 1 receptor antisense gene therapy in the adult SHR. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 277, H1260-4	5.2	10
69	Large-scale production of retroviral vectors for systemic gene delivery. <i>Methods in Enzymology</i> , <b>2002</b> , 346, 562-73	1.7	9
68	Aminopeptidase A: could it be a novel target for neurogenic hypertension?. <i>Hypertension</i> , <b>2008</b> , 51, 1273-5	3.5	8
67	Novel Role of Macrophage Migration Inhibitory Factor in Angiotensin II Regulation of Neuromodulation in Rat Brain		8
66	SARS-CoV-2 Receptor ACE2 (Angiotensin-Converting Enzyme 2) Is Upregulated in Colonic Organoids From Hypertensive Rats. <i>Hypertension</i> , <b>2020</b> , 76, e26-e28	8.5	7

65	Involvement of Microglial Cells in Hypoxia-induced Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2018</b> , 59, 271-273	5.7	7
64	AT1-receptors and cellular actions of angiotensin II in neuronal cultures of stroke prone-spontaneously hypertensive rat brain. <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 396, 71-8	3.6	7
63	Gut Microbiome and Neuroinflammation in Hypertension.. <i>Circulation Research</i> , <b>2022</b> , 130, 401-417	15.7	6
62	Angiotensin-Converting Enzyme 2/Angiotensin-(1-7)/Mas Receptor Axis: Emerging Pharmacological Target for Pulmonary Diseases <b>2015</b> , 269-274		5
61	AT1 receptor-mediated nuclear translocation of Raf-1 in brain neurons. <i>Journal of Neurochemistry</i> , <b>1998</b> , 70, 424-7	6	5
60	Lack of alpha-1-adrenergic receptor-mediated downregulation of angiotensin II receptors in neuronal cultures from spontaneously hypertensive rat brain. <i>Molecular and Cellular Biochemistry</i> , <b>1989</b> , 91, 111-5	4.2	5
59	Angiotensin-(1-7) Expressed From Lactobacillus Bacteria Protect Diabetic Retina in Mice. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 20	3.3	5
58	Physiologically Unique Insulin Receptors on Neuronal Cells <b>1987</b> , 191-200		5
57	Insulin Downregulates Alpha-2 Adrenergic Receptors in Cultured Glial Cells <b>1987</b> , 209-214		5
56	Would Repurposing Minocycline Alleviate Neurologic Manifestations of COVID-19?. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 577780	5.1	4
55	Chemokine signaling axis between endothelial and myeloid cells regulates development of pulmonary hypertension associated with pulmonary fibrosis and hypoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2019</b> , 317, L434-L444	5.8	4
54	Cardiovascular protection by angiotensin-converting enzyme 2: a new paradigm. <i>Future Cardiology</i> , <b>2008</b> , 4, 175-82	1.3	4
53	Genetic targeting of the renin-angiotensin system for long-term control of hypertension. <i>Current Hypertension Reports</i> , <b>2002</b> , 4, 25-31	4.7	4
52	ACE2 as therapeutic agent. <i>Clinical Science</i> , <b>2020</b> , 134, 2581-2595	6.5	4
51	Functional heart recovery in an adult mammal, the spiny mouse. <i>International Journal of Cardiology</i> , <b>2021</b> , 338, 196-203	3.2	4
50	Glucose transporters in central nervous system glucose homeostasis. <i>Advances in Experimental Medicine and Biology</i> , <b>1991</b> , 293, 397-404	3.6	4
49	Binding of [125I]-insulin-like growth factor-1 (IGF-1) in brains of Alzheimer <sup>R</sup> and alcoholic patients. <i>Advances in Experimental Medicine and Biology</i> , <b>1991</b> , 293, 483-92	3.6	4
48	Insulin-like growth factor I: a possible modulator of intercellular communication in the brain. <i>Advances in Experimental Medicine and Biology</i> , <b>1991</b> , 293, 493-505	3.6	4

47	Identification of a Gut Commensal That Compromises the Blood Pressure-Lowering Effect of Ester Angiotensin-Converting Enzyme Inhibitors.. <i>Hypertension</i> , <b>2022</b> , 101161HYPERTENSIONAHA12118711	8.5	4
46	ACE2/Angiotensin-(1-7)/Mas Axis and Cardiovascular Regeneration. <i>Current Hypertension Reviews</i> , <b>2012</b> , 8, 35-46	2.3	3
45	Attenuation of ANG II actions by adenovirus delivery of AT1 receptor antisense in neurons and SMC. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 274, H719-27	5.2	3
44	Gut-brain-bone marrow axis in hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2021</b> , 30, 159-165	3.5	3
43	Developmental Regulation of the Insulin and Insulin-Like Growth Factor Receptors in the Central Nervous System <b>1993</b> , 109-127		3
42	Distinct Gene Expression Profiles in Colonic Organoids from Normotensive and the Spontaneously Hypertensive Rats. <i>Cells</i> , <b>2021</b> , 10,	7.9	3
41	Depressive hypertension: A proposed human endotype of brain/gut microbiome dysbiosis. <i>American Heart Journal</i> , <b>2021</b> , 239, 27-37	4.9	3
40	Increased turnover of surface insulin receptors in fibroblastic cultures from genetically diabetic (DB/DB) mice. <i>Journal of Cellular Biochemistry</i> , <b>1985</b> , 28, 59-67	4.7	2
39	MICROGLIAL ACTIVATION BY THE BRAIN RENIN-ANGIOTENSIN SYSTEM. <i>FASEB Journal</i> , <b>2011</b> , 25, 661.2	0.9	2
38	Pancreatic ACE2 shedding is associated with impaired glycemia in high fat diet-fed mice.. <i>FASEB Journal</i> , <b>2013</b> , 27, 1154.1	0.9	2
37	ACE2 gene therapy decreases fibrosis in the pancreas of high fat diet-fed mice. <i>FASEB Journal</i> , <b>2013</b> , 27, 1154.7	0.9	2
36	Mycophenolate Improves Brain-Gut Axis Inducing Remodeling of Gut Microbiota in DOCA-Salt Hypertensive Rats. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	2
35	Evidence for Central Nervous System Insulin Synthesis <b>1987</b> , 121-130		2
34	Gene therapy in cardiovascular disease. Current status. <i>Molecular Diagnosis and Therapy</i> , <b>2001</b> , 1, 55-66		1
33	Chronic inhibition of phosphoinositide-3-kinase (PI3K) in the nucleus of the solitary tract (NTS) of hypertensive rats increases blood pressure. <i>FASEB Journal</i> , <b>2007</b> , 21, A899	0.9	1
32	Characterization of a functional (pro)renin receptor (PRR) in brain neuron. <i>FASEB Journal</i> , <b>2008</b> , 22, 735.169	0.9	1
31	Potential of Minocycline for Treatment of Resistant Hypertension. <i>American Journal of Cardiology</i> , <b>2021</b> , 156, 147-149	3	1
30	"Temporal clustering" of COPD exacerbations may reflect corticosteroid withdrawal. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 482-3; author reply 483	10.2	

- 29 Cardiovascular Genomics Themed Issue. *Experimental Physiology*, **2005**, 90, 271-272 2.4
- 28 Angiotensin-(1 $\bar{7}$ ) prevents cardiac remodeling during angiotensin II-induced hypertension. *FASEB Journal*, **2007**, 21, A896 0.9
- 27 (Pro)renin receptor (PRR) expression in the spontaneously hypertensive rats (SHR) brain. *FASEB Journal*, **2007**, 21, A1364 0.9
- 26 Structure-Based Discovery of Angiotensin-Converting Enzyme 2 (ACE2) Activators. *FASEB Journal*, **2007**, 21, A1365 0.9
- 25 Anterograde Tracing of A1 and A5 Efferents Using Phenotypically Restricted Lentivirus Vector Mediated Reporter Gene Expression. *FASEB Journal*, **2007**, 21, A474 0.9
- 24 Role of phosphoinositide-3-kinase (PI3K) in the nucleus of the solitary tract (NTS) in the modulation of baroreceptor reflex function in the hypertensive rat. *FASEB Journal*, **2008**, 22, 737.34 0.9
- 23 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
- 22 Stress Dampening and Anxiolytic Effects of Overexpressing Angiotensin Converting Enzyme 2 in Female Mice. *FASEB Journal*, **2018**, 32, 737.7 0.9
- 21 Short-term captopril treatment causes persistently decreased blood pressure associated with long-lasting shifts in gut microbiota and improvement in gut pathology. *FASEB Journal*, **2018**, 32, 582.7 0.9
- 20 Translocation of bone marrow-derived cells contribute to PVN neuroinflammation in hypoxia-induced PH. *FASEB Journal*, **2019**, 33, 550.13 0.9
- 19 Paraventricular nucleus (PVN) neurons projecting to the rostral ventrolateral medulla (RVLM) contain both oxytocin and glutamate. *FASEB Journal*, **2009**, 23, 967.6 0.9
- 18 Increased expression of Ndufa10, a subunit of mitochondrial complex 1 in the paraventricular nucleus of the SHR. *FASEB Journal*, **2009**, 23, 1015.11 0.9
- 17 Lenti-viral mediated overexpression of ACE2 or Angiotensin-(1-7) prevents bleomycin-induced pulmonary fibrosis. *FASEB Journal*, **2009**, 23, 770.7 0.9
- 16 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
- 15 Central hypertonic NaCl increases cytokine expression in the hypothalamic paraventricular nucleus. *FASEB Journal*, **2010**, 24, 809.8 0.9
- 14 Peripheral activation of ACE2-Ang-(1 $\bar{7}$ )-Mas axis reduces the cardiovascular reactivity to acute stress in rats. *FASEB Journal*, **2010**, 24, 625.6 0.9
- 13 Evidence for a depressor action of AT1 receptors in the nucleus of the solitary tract (NTS). *FASEB Journal*, **2010**, 24, 809.11 0.9
- 12 The RNA Binding Complex Translin-Trax Mediates Pro-Excitatory Activity in Neurons. *FASEB Journal*, **2010**, 24, 794.5 0.9

11	Activation of the Protective Arm of Renin Angiotensin System (RAS) Corrects the Reparative Dysfunction of Diabetic CD34+ Cells.. <i>Blood</i> , <b>2010</b> , 116, 2637-2637	2.2
10	Brain targeted (Pro)renin receptor over-expression induces the development of hypertension via modulation of baroreflex sensitivity and renal sympathetic nerve activity in renin transgenic mice. <i>FASEB Journal</i> , <b>2011</b> , 25, 1078.10	0.9
9	Dysfunctional bone marrow-derived endothelial progenitor cells in chronic Ang II infusion rat model of hypertension. <i>FASEB Journal</i> , <b>2012</b> , 26, 878.7	0.9
8	In vivo MEMRI reveals persistent activation of the brain autonomic areas by an acute systemic angiotensin II injection. <i>FASEB Journal</i> , <b>2012</b> , 26, lb801	0.9
7	NTS (pro)renin receptor (PRR)-mediated antihypertensive effect involves NF-KappaB-cytokine signaling in the spontaneously hypertensive rats (SHR). <i>FASEB Journal</i> , <b>2012</b> , 26, 684.26	0.9
6	Microglial-neuronal interactions in the paraventricular nucleus (PVN): a potential mechanism underlying neurogenic hypertension. <i>FASEB Journal</i> , <b>2012</b> , 26, 891.3	0.9
5	Lenti-Angiotensin-(1 $\alpha$ ) transduction of Islet+ cardiac progenitor cells improves the reparative capacity in Doxorubicin induced Cardiomyopathy. <i>FASEB Journal</i> , <b>2013</b> , 27, 1184.7	0.9
4	P2X7 Receptors Mediate Hormone Release in nerve terminals of the Neurohypophysis (NH). <i>FASEB Journal</i> , <b>2013</b> , 27, 935.8	0.9
3	Genetically Engineered Mesenchymal Stem Cells that Overexpress ACE2 or Angiotensin-(1 $\alpha$ ) Show Enhanced Nitric-Oxide Production. <i>FASEB Journal</i> , <b>2013</b> , 27, lb689	0.9
2	Expression of (pro)renin receptor and angiotensin II type 1 receptor on bone marrow-related neurons in the central nervous system. <i>FASEB Journal</i> , <b>2013</b> , 27, 1187.15	0.9
1	Complementary Embryonic and Adult Cell Populations Enhance Myocardial Repair in Rat Myocardial Injury Model. <i>Stem Cells International</i> , <b>2019</b> , 2019, 3945850	5