Curt D Sigmund

List of Publications by Citations

310 papers	13,490 citations	63 h-index	103 g-index
335 ext. papers	14,884 ext. citations	7.3 avg, IF	6.28 L-index

#	Paper	IF	Citations
310	Lethal infection of K18-hACE2 mice infected with severe acute respiratory syndrome coronavirus. *Journal of Virology*, **2007**, 81, 813-21	6.6	591
309	Ghrelin inhibits proinflammatory responses and nuclear factor-kappaB activation in human endothelial cells. *Circulation*, **2004**, 109, 2221-6	16.7	412
308	Minireview: overview of the renin-angiotensin system--an endocrine and paracrine system. *Endocrinology*, **2003**, 144, 2179-83	4.8	407
307	Angiotensin II Signal Transduction: An Update on Mechanisms of Physiology and Pathophysiology. *Physiological Reviews*, **2018**, 98, 1627-1738	47.9	383
306	Abnormal coronary function in mice deficient in alpha1H T-type Ca2+ channels. *Science*, **2003**, 302, 1416-8	33.3	286
305	Antibiotic resistance mutations in 16S and 23S ribosomal RNA genes of Escherichia coli. *Nucleic Acids Research*, **1984**, 12, 4653-63	20.1	238
304	Increased superoxide and vascular dysfunction in CuZnSOD-deficient mice. *Circulation Research*, **2002**, 91, 938-44	15.7	204
303	Contrasting blood pressure effects of obesity in leptin-deficient ob/ob mice and agouti yellow obese mice. *Journal of Hypertension*, **1999**, 17, 1949-53	1.9	200
302	Endothelial dysfunction and elevation of S-adenosylhomocysteine in cystathionine beta-synthase-deficient mice. *Circulation Research*, **2001**, 88, 1203-9	15.7	179
301	Oxidation of CaMKII determines the cardiotoxic effects of aldosterone. *Nature Medicine*, **2011**, 17, 1610-8	30.5	178
300	PPAR(gamma) agonist rosiglitazone improves vascular function and lowers blood pressure in hypertensive transgenic mice. *Hypertension*, **2004**, 43, 661-6	8.5	174
299	Antibiotic resistance mutations in ribosomal RNA genes of Escherichia coli. *Methods in Enzymology*, **1988**, 164, 673-90	1.7	169
298	Overexpression of acid-sensing ion channel 1a in transgenic mice increases acquired fear-related behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 3621-6	11.5	163
297	Mkks-null mice have a phenotype resembling Bardet-Biedl syndrome. *Human Molecular Genetics*, **2005**, 14, 1109-18	5.6	157
296	Brain-selective overexpression of human Angiotensin-converting enzyme type 2 attenuates neurogenic hypertension. *Circulation Research*, **2010**, 106, 373-82	15.7	155
295	Chronic hypertension and altered baroreflex responses in transgenic mice containing the human renin and human angiotensinogen genes. *Journal of Clinical Investigation*, **1996**, 97, 1047-55	15.9	155
294	Hypothalamic ERK mediates the anorectic and thermogenic sympathetic effects of leptin. *Diabetes*, **2009**, 58, 536-42	0.9	150

293	Divergent functions of angiotensin II receptor isoforms in the brain. *Journal of Clinical Investigation*, **2000**, 106, 103-6	15.9	149
292	Hypothalamic PI3K and MAPK differentially mediate regional sympathetic activation to insulin. *Journal of Clinical Investigation*, **2004**, 114, 652-8	15.9	147
291	Interference with PPAR gamma function in smooth muscle causes vascular dysfunction and hypertension. *Cell Metabolism*, **2008**, 7, 215-26	24.6	135
290	Cerebral vascular dysfunction mediated by superoxide in hyperhomocysteinemic mice. *Stroke*, **2004**, 35, 1957-62	6.7	135
289	The brain renin-angiotensin system contributes to the hypertension in mice containing both the human renin and human angiotensinogen transgenes. *Circulation Research*, **1998**, 83, 1047-58	15.7	131
288	The microRNA-processing enzyme dicer maintains juxtaglomerular cells. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 460-7	12.7	125
287	The kidney androgen-regulated protein promoter confers renal proximal tubule cell-specific and highly androgen-responsive expression on the human angiotensinogen gene in transgenic mice. *Journal of Biological Chemistry*, **1997**, 272, 28142-8	5.4	122
286	Ablation of the leptin receptor in the hypothalamic arcuate nucleus abrogates leptin-induced sympathetic activation. *Circulation Research*, **2011**, 108, 808-12	15.7	119
285	An intracellular renin-angiotensin system in neurons: fact, hypothesis, or fantasy. *Physiology*, **2008**, 23, 187-93	9.8	119
284	Salt-sensitive hypertension and cardiac hypertrophy in mice deficient in the ubiquitin ligase Nedd4-2. *American Journal of Physiology - Renal Physiology*, **2008**, 295, F462-70	4.3	117
283	RAS blockade decreases blood pressure and proteinuria in transgenic mice overexpressing rat angiotensinogen gene in the kidney. *Kidney International*, **2006**, 69, 1016-23	9.9	113
282	The brain Renin-angiotensin system controls divergent efferent mechanisms to regulate fluid and energy balance. *Cell Metabolism*, **2010**, 12, 431-42	24.6	112
281	Local production of angiotensin II in the subfornical organ causes elevated drinking. *Journal of Clinical Investigation*, **2007**, 117, 1088-95	15.9	111
280	Expression of murine renin genes during fetal development. *Molecular Endocrinology*, **1990**, 4, 375-83		110
279	Novel mechanism of hypertension revealed by cell-specific targeting of human angiotensinogen in transgenic mice. *Physiological Genomics*, **1999**, 1, 3-9	3.6	109
278	Structure, expression, and regulation of the murine renin genes. *Hypertension*, **1991**, 18, 446-57	8.5	109
277	Critical roles of a cyclic AMP responsive element and an E-box in regulation of mouse renin gene expression. *Journal of Biological Chemistry*, **2001**, 276, 45530-8	5.4	100
276	Elevated blood pressure in transgenic mice with brain-specific expression of human angiotensinogen driven by the glial fibrillary acidic protein promoter. *Circulation Research*, **2001**, 89, 365-72	15.7	99

275	Viewpoint: are studies in genetically altered mice out of control?. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2000**, 20, 1425-9	9.4	99
274	Role of proximal promoter elements in regulation of renin gene transcription. *Journal of Biological Chemistry*, **1996**, 271, 22499-505	5.4	95
273	Increased blood pressure in transgenic mice expressing both human renin and angiotensinogen in the renal proximal tubule. *American Journal of Physiology - Renal Physiology*, **2004**, 286, F965-71	4.3	94
272	Differential expression of angiotensin receptor 1A and 1B in mouse. *American Journal of Physiology - Endocrinology and Metabolism*, **1994**, 267, E260-7	6	94
271	Interference with PPARgamma signaling causes cerebral vascular dysfunction, hypertrophy, and remodeling. *Hypertension*, **2008**, 51, 867-71	8.5	93
270	Glia- and neuron-specific expression of the renin-angiotensin system in brain alters blood pressure, water intake, and salt preference. *Journal of Biological Chemistry*, **2002**, 277, 33235-41	5.4	93
269	Responses of carotid artery in mice deficient in expression of the gene for endothelial NO synthase. *American Journal of Physiology - Heart and Circulatory Physiology*, **1998**, 274, H564-70	5.2	91
268	Kidney-specific enhancement of ANG II stimulates endogenous intrarenal angiotensinogen in gene-targeted mice. *American Journal of Physiology - Renal Physiology*, **2007**, 293, F938-45	4.3	90
267	Identification of three human renin mRNA isoforms from alternative tissue-specific transcriptional initiation. *Physiological Genomics*, **2000**, 3, 25-31	3.6	90
266	Regulated tissue- and cell-specific expression of the human renin gene in transgenic mice. *Circulation Research*, **1992**, 70, 1070-9	15.7	90
265	Differential requirement for SLP-76 domains in T cell development and function. *Immunity*, **2001**, 15, 1011-26	32.3	89
264	A brain leptin-renin angiotensin system interaction in the regulation of sympathetic nerve activity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H197-206	5.2	87
263	Cerebral arteriolar structure in mice overexpressing human renin and angiotensinogen. *Hypertension*, **2003**, 41, 50-5	8.5	85
262	Role of oxidative stress and AT1 receptors in cerebral vascular dysfunction with aging. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H1914-9	5.2	84
261	Genetic basis of hypertension: revisiting angiotensinogen. *Hypertension*, **2006**, 48, 14-20	8.5	84
260	Inactivation of NADPH oxidase organizer 1 results in severe imbalance. *Current Biology*, **2006**, 16, 208-13	6.3	81
259	Cerebral vascular effects of angiotensin II: new insights from genetic models. *Journal of Cerebral Blood Flow and Metabolism*, **2006**, 26, 449-55	7.3	81
258	Adipose depot-specific modulation of angiotensinogen gene expression in diet-induced obesity. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 286, E891-5	6	79

257	Cullin-3 regulates vascular smooth muscle function and arterial blood pressure via PPARand RhoA/Rho-kinase. *Cell Metabolism*, **2012**, 16, 462-72	24.6	77
256	Endothelium-specific interference with peroxisome proliferator activated receptor gamma causes cerebral vascular dysfunction in response to a high-fat diet. *Circulation Research*, **2008**, 103, 654-61	15.7	76
255	Angiotensin II-induced vascular dysfunction is mediated by the AT1A receptor in mice. *Hypertension*, **2004**, 43, 1074-9	8.5	73
254	The angiotensinogen gene is expressed in both astrocytes and neurons in murine central nervous system. *Brain Research*, **1999**, 817, 123-31	3.7	72
253	Angiotensinergic signaling in the brain mediates metabolic effects of deoxycorticosterone (DOCA)-salt in C57 mice. *Hypertension*, **2011**, 57, 600-7	8.5	71
252	The earliest metanephric arteriolar progenitors and their role in kidney vascular development. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R138-49	3.2	70
251	Brain-selective overexpression of angiotensin (AT1) receptors causes enhanced cardiovascular sensitivity in transgenic mice. *Circulation Research*, **2002**, 90, 617-24	15.7	69
250	Endothelial dysfunction and blood pressure variability in selected inbred mouse strains. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2002**, 22, 42-8	9.4	68
249	Efficient liver-specific deletion of a floxed human angiotensinogen transgene by adenoviral delivery of Cre recombinase in vivo. *Journal of Biological Chemistry*, **1999**, 274, 21285-90	5.4	68
248	Vascular biology in genetically altered mice : smaller vessels, bigger insight. *Circulation Research*, **1999**, 85, 1214-25	15.7	66
247	Renal proximal tubule angiotensin AT1A receptors regulate blood pressure. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R1067-77	3.2	63
246	Localization of renin expressing cells in the brain, by use of a REN-eGFP transgenic model. *Physiological Genomics*, **2004**, 16, 240-6	3.6	63
245	Adjacent expression of renin and angiotensinogen in the rostral ventrolateral medulla using a dual-reporter transgenic model. *Hypertension*, **2004**, 43, 1116-9	8.5	63
244	Macrophage-specific expression of human lipoprotein lipase accelerates atherosclerosis in transgenic apolipoprotein e knockout mice but not in C57BL/6 mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001**, 21, 1809-15	9.4	63
243	Evidence supporting a functional role for intracellular renin in the brain. *Hypertension*, **2006**, 47, 461-6	8.5	62
242	Tissue and cell specific expression of a renin promoter-reporter gene construct in transgenic mice. *Biochemical and Biophysical Research Communications*, **1990**, 170, 344-50	3.4	62
241	Mechanisms of brain renin angiotensin system-induced drinking and blood pressure: importance of the subfornical organ. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R238-49	3.2	61
240	Structure of cerebral arterioles in cystathionine beta-synthase-deficient mice. *Circulation Research*, **2002**, 91, 931-7	15.7	61

239	Transactivation of the human renin promoter by the cyclic AMP/protein kinase A pathway is mediated by both cAMP-responsive element binding protein-1 (CREB)-dependent and CREB-independent mechanisms in Calu-6 cells. *Journal of Biological Chemistry*, **1997**, 272, 2412-20	5.4	60
238	Structure of cerebral arterioles in mice deficient in expression of the gene for endothelial nitric oxide synthase. *Circulation Research*, **2004**, 95, 822-9	15.7	60
237	Complementation of reduced survival, hypotension, and renal abnormalities in angiotensinogen-deficient mice by the human renin and human angiotensinogen genes. *Journal of Clinical Investigation*, **1997**, 99, 1258-64	15.9	59
236	Munc18c regulates insulin-stimulated glut4 translocation to the transverse tubules in skeletal muscle. *Journal of Biological Chemistry*, **2001**, 276, 4063-9	5.4	58
235	Superoxide contributes to vascular dysfunction in mice that express human renin and angiotensinogen. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H1569-76	5.2	58
234	Erythromycin resistance due to a mutation in a ribosomal RNA operon of Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1982**, 79, 5602-6	11.5	58
233	ACE, ACE inhibitors, and other JNK. *Circulation Research*, **2004**, 94, 1-3	15.7	57
232	Impaired endothelial function in transgenic mice expressing both human renin and human angiotensinogen. *Stroke*, **2000**, 31, 760-4; discussion 765	6.7	57
231	Retinoic acid-mediated activation of the mouse renin enhancer. *Journal of Biological Chemistry*, **2001**, 276, 3597-603	5.4	55
230	Germ line activation of the Tie2 and SMMHC promoters causes noncell-specific deletion of floxed alleles. *Physiological Genomics*, **2008**, 35, 1-4	3.6	53
229	Does peroxisome proliferator-activated receptor-gamma (PPAR gamma) protect from hypertension directly through effects in the vasculature?. *Journal of Biological Chemistry*, **2010**, 285, 9311-9316	5.4	52
228	Nuclear localization of angiotensinogen in astrocytes. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R539-46	3.2	52
227	Identification of a nuclear orphan receptor (Ear2) as a negative regulator of renin gene transcription. *Circulation Research*, **2003**, 92, 1033-40	15.7	50
226	Major approaches for generating and analyzing transgenic mice. An overview. *Hypertension*, **1993**, 22, 599-607	8.5	50
225	Expression of the cytoplasmic tail of LMP1 in mice induces hyperactivation of B lymphocytes and disordered lymphoid architecture. *Immunity*, **2004**, 21, 255-66	32.3	49
224	PPAR regulates resistance vessel tone through a mechanism involving RGS5-mediated control of protein kinase C and BKCa channel activity. *Circulation Research*, **2012**, 111, 1446-58	15.7	48
223	Species-specific differences in positive and negative regulatory elements in the renin gene enhancer. *Circulation Research*, **1999**, 85, 479-88	15.7	48
222	Spontaneous stroke in a genetic model of hypertension in mice. *Stroke*, **2005**, 36, 1253-8	6.7	46

221	Hypertension in mice with transgenic activation of the brain renin-angiotensin system is vasopressin dependent. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R818-28	3.2	45
220	Genetic ablation of angiotensinogen in the subfornical organ of the brain prevents the central angiotensinergic pressor response. *Circulation Research*, **2006**, 99, 1125-31	15.7	45
219	Wnt3a regulates Lef-1 expression during airway submucosal gland morphogenesis. *Developmental Biology*, **2007**, 305, 90-102	3.1	45
218	Highly regulated cell type-restricted expression of human renin in mice containing 140- or 160-kilobase pair P1 phage artificial chromosome transgenes. *Journal of Biological Chemistry*, **1999**, 274, 35785-93	5.4	45
217	Collecting duct-specific knockout of renin attenuates angiotensin II-induced hypertension. *American Journal of Physiology - Renal Physiology*, **2014**, 307, F931-8	4.3	43
216	Gene expression profiling of potential PPARgamma target genes in mouse aorta. *Physiological Genomics*, **2004**, 18, 33-42	3.6	43
215	Conserved enhancer elements in human and mouse renin genes have different transcriptional effects in As4.1 cells. *Circulation Research*, **1997**, 81, 558-66	15.7	43
214	Regulation of renin expression and blood pressure by vitamin D3. *Journal of Clinical Investigation*, **2002**, 110, 155-156	15.9	43
213	The brain renin-angiotensin system in transgenic mice carrying a highly regulated human renin transgene. *Circulation Research*, **2002**, 90, 80-6	15.7	42
212	Angiotensin type 1a receptors in the subfornical organ are required for deoxycorticosterone acetate-salt hypertension. *Hypertension*, **2013**, 61, 716-22	8.5	41
211	Understanding hypertension through genetic manipulation in mice. *Kidney International*, **2000**, 57, 863-74	9.9	41
210	Hypertension-causing Mutations in Cullin3 Protein Impair RhoA Protein Ubiquitination and Augment the Association with Substrate Adaptors. *Journal of Biological Chemistry*, **2015**, 290, 19208-17	5.4	39
209	Pregnant mice lacking indoleamine 2,3-dioxygenase exhibit preeclampsia phenotypes. *Physiological Reports*, **2015**, 3, e12257	2.6	39
208	Molecular evidence of tissue renin-angiotensin systems: a focus on the brain. *Current Hypertension Reports*, **2005**, 7, 135-40	4.7	39
207	Androgen-dependent regulation of human angiotensinogen expression in KAP-hAGT transgenic mice. *American Journal of Physiology - Renal Physiology*, **2001**, 280, F54-60	4.3	39
206	Transgenic mice expressing an intracellular fluorescent fusion of angiotensin II demonstrate renal thrombotic microangiopathy and elevated blood pressure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 298, H1807-18	5.2	38
205	Ischemia-induced brain damage is enhanced in human renin and angiotensinogen double-transgenic mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 297, R1526-31	3.2	38
204	Appropriate tissue- and cell-specific expression of a single copy human angiotensinogen transgene specifically targeted upstream of the HPRT locus by homologous recombination. *Journal of Biological Chemistry*, **2000**, 275, 1073-8	5.4	38

203	Cullin-3 mutation causes arterial stiffness and hypertension through a vascular smooth muscle mechanism. *JCI Insight*, **2016**, 1, e91015	9.9	38
202	How Is the Brain Renin-Angiotensin System Regulated?. *Hypertension*, **2017**, 70, 10-18	8.5	36
201	Nus A protein affects transcriptional pausing and termination in vitro by binding to different sites on the transcription complex. *Biochemistry*, **1988**, 27, 5622-7	3.2	36
200	Human renin mRNA stability is increased in response to cAMP in Calu-6 cells. *Hypertension*, **1999**, 33, 900-5	8.5	35
199	Pioglitazone attenuates valvular calcification induced by hypercholesterolemia. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 523-32	9.4	34
198	Endothelial and vascular muscle PPARgamma in arterial pressure regulation: lessons from genetic interference and deficiency. *Hypertension*, **2010**, 55, 437-44	8.5	34
197	Angiotensin mutant mice: a focus on the brain renin-angiotensin system. *Neuropeptides*, **2002**, 36, 194-200	3.3	34
196	Endogenous human renin expression and promoter activity in CALU-6, a pulmonary carcinoma cell line. *Hypertension*, **1995**, 25, 704-10	8.5	34
195	Differential modulation of baroreflex control of heart rate by neuron- vs. glia-derived angiotensin II. *Physiological Genomics*, **2004**, 20, 66-72	3.6	33
194	Neuron-specific expression of human angiotensinogen in brain causes increased salt appetite. *Physiological Genomics*, **2002**, 9, 113-20	3.6	33
193	Identification of cis elements in the cardiac troponin T gene conferring specific expression in cardiac muscle of transgenic mice. *Circulation Research*, **2000**, 86, 478-84	15.7	33
192	Arginine vasopressin infusion is sufficient to model clinical features of preeclampsia in mice. *JCI Insight*, **2018**, 3,	9.9	33
191	Endothelial PPAR-□provides vascular protection from IL-1□nduced oxidative stress. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H39-48	5.2	32
190	The -20 and -217 promoter variants dominate differential angiotensinogen haplotype regulation in angiotensinogen-expressing cells. *Hypertension*, **2007**, 49, 631-9	8.5	32
189	The Renin-Angiotensin System in the Central Nervous System and Its Role in Blood Pressure Regulation. *Current Hypertension Reports*, **2020**, 22, 7	4.7	31
188	Selective Deletion of the Brain-Specific Isoform of Renin Causes Neurogenic Hypertension. *Hypertension*, **2016**, 68, 1385-1392	8.5	31
187	Dominant negative PPAR□promotes atherosclerosis, vascular dysfunction, and hypertension through distinct effects in endothelium and vascular muscle. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R690-701	3.2	31
186	Efficiency of chimeraplast gene targeting by direct nuclear injection using a GFP recovery assay. *Molecular Therapy*, **2003**, 7, 248-53	11.7	31

185	NF-Y antagonizes renin enhancer function by blocking stimulatory transcription factors. *Hypertension*, **2001**, 38, 332-6	8.5	31
184	Expression of murine renin genes in subcutaneous connective tissue. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 7993-7	11.5	31
183	Mutant Cullin 3 causes familial hyperkalemic hypertension via dominant effects. *JCI Insight*, **2017**, 2,	9.9	30
182	Kidney is the only source of human plasma renin in 45-kb human renin transgenic mice. *Circulation Research*, **1998**, 83, 1279-88	15.7	29
181	Preservation of intracellular renin expression is insufficient to compensate for genetic loss of secreted renin. *Hypertension*, **2009**, 54, 1240-7	8.5	28
180	The human renin kidney enhancer is required to maintain base-line renin expression but is dispensable for tissue-specific, cell-specific, and regulated expression. *Journal of Biological Chemistry*, **2006**, 281, 35296-304	5.4	28
179	Wnt-responsive element controls Lef-1 promoter expression during submucosal gland morphogenesis. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 287, L752-63	5.8	28
178	Suppression of Resting Metabolism by the Angiotensin AT2 Receptor. *Cell Reports*, **2016**, 16, 1548-1560	10.6	28
177	Interference with PPAR□n endothelium accelerates angiotensin II-induced endothelial dysfunction. *Physiological Genomics*, **2016**, 48, 124-34	3.6	27
176	Endothelial PPAR-□protects against vascular thrombosis by downregulating P-selectin expression. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 838-44	9.4	26
175	Oxidative stress through activation of NAD(P)H oxidase in hypertensive mice with spontaneous intracranial hemorrhage. *Journal of Cerebral Blood Flow and Metabolism*, **2008**, 28, 1175-85	7.3	26
174	Elevated vasopressin in pregnant mice induces T-helper subset alterations consistent with human preeclampsia. *Clinical Science*, **2018**, 132, 419-436	6.5	25
173	Glial-specific ablation of angiotensinogen lowers arterial pressure in renin and angiotensinogen transgenic mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R1763-9	3.2	25
172	Bioinformatic analysis of gene sets regulated by ligand-activated and dominant-negative peroxisome proliferator-activated receptor gamma in mouse aorta. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 518-25	9.4	24
171	Characterization of Lef-1 promoter segments that facilitate inductive developmental expression in skin. *Journal of Investigative Dermatology*, **2004**, 123, 264-74	4.3	24
170	Regulatory elements required for human angiotensinogen expression in HepG2 cells are dispensable in transgenic mice. *Hypertension*, **1998**, 31, 734-40	8.5	24
169	Vascular versus tubular renin: role in kidney development. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R650-7	3.2	23
168	Role of peroxisome proliferator-activated receptor-□n vascular muscle in the cerebral circulation. *Hypertension*, **2014**, 64, 1088-93	8.5	23

167	Differential control of calcium homeostasis and vascular reactivity by Ca2+/calmodulin-dependent kinase II. *Hypertension*, **2013**, 62, 434-41	8.5	23
166	Ganglionic action of angiotensin contributes to sympathetic activity in renin-angiotensinogen transgenic mice. *Hypertension*, **2004**, 43, 312-6	8.5	23
165	Smooth Muscle Peroxisome Proliferator-Activated Receptor Plays a Critical Role in Formation and Rupture of Cerebral Aneurysms in Mice In Vivo. *Hypertension*, **2015**, 66, 211-20	8.5	22
164	PPAR Regulation in Hypertension and Metabolic Syndrome. *Current Hypertension Reports*, **2015**, 17, 89	4.7	22
163	Endothelial PPAR (Peroxisome Proliferator-Activated Receptor-) Is Essential for Preventing Endothelial Dysfunction With Aging. *Hypertension*, **2018**, 72, 227-234	8.5	22
162	Calcium/calmodulin-dependent kinase II inhibition in smooth muscle reduces angiotensin II-induced hypertension by controlling aortic remodeling and baroreceptor function. *Journal of the American Heart Association*, **2015**, 4, e001949	6	22
161	Peroxisome proliferator-activated receptor- protects against vascular aging. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R1184-90	3.2	22
160	Biosynthesis of renin in mouse kidney tumor As4.1 cells. *FEBS Journal*, **1997**, 243, 181-90		22
159	Interleukin-1beta attenuates renin gene expression via a mitogen-activated protein kinase kinase-extracellular signal-regulated kinase and signal transducer and activator of transcription 3-dependent mechanism in As4.1 cells. *Endocrinology*, **2006**, 147, 6011-8	4.8	22
158	Spectinomycin resistance due to a mutation in an rRNA operon of Escherichia coli. *Journal of Bacteriology*, **1983**, 155, 989-94	3.5	22
157	Vasopressin: the missing link for preeclampsia?. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R1062-4	3.2	21
156	Metabolic rate regulation by the renin-angiotensin system: brain vs. body. *Pflugers Archiv European Journal of Physiology*, **2013**, 465, 167-75	4.6	21
155	Increased renin production in mice with deletion of peroxisome proliferator-activated receptor-gamma in juxtaglomerular cells. *Hypertension*, **2010**, 55, 660-6	8.5	21
154	Regulation of renin gene expression by oxidative stress. *Hypertension*, **2009**, 53, 1070-6	8.5	21
153	An androgen-inducible proximal tubule-specific Cre recombinase transgenic model. *American Journal of Physiology - Renal Physiology*, **2008**, 294, F1481-6	4.3	21
152	Transgenic mice for studies of the renin-angiotensin system in hypertension. *Acta Physiologica Scandinavica*, **2004**, 181, 571-7		21
151	Physiological significance of two common haplotypes of human angiotensinogen using gene targeting in the mouse. *Physiological Genomics*, **2002**, 11, 253-62	3.6	21
150	Hypertension-Causing Mutation in Peroxisome Proliferator-Activated Receptor Impairs Nuclear Export of Nuclear Factor-B p65 in Vascular Smooth Muscle. *Hypertension*, **2017**, 70, 174-182	8.5	20

149	Angiotensin AT receptors expressed in vasopressin-producing cells of the supraoptic nucleus contribute to osmotic control of vasopressin. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 314, R770-R780	3.2	20
148	Lower blood pressure in floxed angiotensinogen mice after adenoviral delivery of Cre-recombinase. *Hypertension*, **2002**, 39, 629-33	8.5	20
147	RhoBTB1 protects against hypertension and arterial stiffness by restraining phosphodiesterase 5 activity. *Journal of Clinical Investigation*, **2019**, 129, 2318-2332	15.9	20
146	Activation of the renin-angiotensin system, specifically in the subfornical organ is sufficient to induce fluid intake. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R376-86	3.2	19
145	Activity of protein kinase C-□within the subfornical organ is necessary for fluid intake in response to brain angiotensin. *Hypertension*, **2014**, 64, 141-8	8.5	19
144	Regulation of human renin mRNA expression and protein release in transgenic mice. *Hypertension*, **1996**, 28, 290-6	8.5	19
143	Protective Role for Tissue Inhibitor of Metalloproteinase-4, a Novel Peroxisome Proliferator-Activated Receptor-□Target Gene, in Smooth Muscle in Deoxycorticosterone Acetate-Salt Hypertension. *Hypertension*, **2016**, 67, 214-22	8.5	18
142	Molecular mechanisms regulating vascular tone by peroxisome proliferator activated receptor gamma. *Current Opinion in Nephrology and Hypertension*, **2015**, 24, 123-30	3.5	18
141	Upstream stimulatory factor is required for human angiotensinogen expression and differential regulation by the A-20C polymorphism. *Circulation Research*, **2008**, 103, 940-7	15.7	18
140	Functional characterization of polymorphisms in the kidney enhancer of the human renin gene. *Endocrinology*, **2007**, 148, 1424-30	4.8	18
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