Curt D Sigmund

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Methods for the Comprehensive Analysis of Energy Flux, Fluid Homeostasis, Blood Pressure, and Ventilatory Function in Rodents.. *Frontiers in Physiology*, **2022**, 13, 855054	4.6	1
309	Endothelial Cullin3 Mutation Impairs Nitric Oxide-Mediated Vasodilation and Promotes Salt-Induced Hypertension.. *Function*, **2022**, 3, zqac017	6.1	0
308	Role of the Peroxisome Proliferator Activated Receptors in Hypertension. *Circulation Research*, **2021**, 128, 1021-1039	15.7	8
307	EP3 (E-Prostanoid 3) Receptor Mediates Impaired Vasodilation in a Mouse Model of Salt-Sensitive Hypertension. *Hypertension*, **2021**, 77, 1399-1411	8.5	5
306	Recent Advances in Hypertension: Intersection of Metabolic and Blood Pressure Regulatory Circuits in the Central Nervous System. *Hypertension*, **2021**, 77, 1061-1068	8.5	4
305	Team Science: American Heart Association® Hypertension Strategically Focused Research Network Experience. *Hypertension*, **2021**, 77, 1857-1866	8.5	
304	Studies of salt and stress sensitivity on arterial pressure in renin-b deficient mice. *PLoS ONE*, **2021**, 16, e0250807	3.7	1
303	Failure to vasodilate in response to salt loading blunts renal blood flow and causes salt-sensitive hypertension. *Cardiovascular Research*, **2021**, 117, 308-319	9.9	11
302	Arrestin-Biased Agonist Targeting the Brain ATR (Angiotensin II Type 1 Receptor) Increases Aversion to Saline and Lowers Blood Pressure in Deoxycorticosterone Acetate-Salt Hypertension. *Hypertension*, **2021**, 77, 420-431	8.5	5
301	Single-Nucleus RNA Sequencing of the Hypothalamic Arcuate Nucleus of C57BL/6J Mice After Prolonged Diet-Induced Obesity. *Hypertension*, **2020**, 76, 589-597	8.5	11
300	Exploration of cardiometabolic and developmental significance of angiotensinogen expression by cells expressing the leptin receptor or agouti-related peptide. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2020**, 318, R855-R869	3.2	3
299	Report of the National Heart, Lung, and Blood Institute Working Group on Hypertension: Barriers to Translation. *Hypertension*, **2020**, 75, 902-917	8.5	17
298	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
297	Increased Susceptibility of Mice Lacking Renin-b to Angiotensin II-Induced Organ Damage. *Hypertension*, **2020**, 76, 468-477	8.5	3
296	The Role of Vascular Smooth Muscle RhoBTB1 in Hypertension. *FASEB Journal*, **2020**, 34, 1-1	0.9	
295	CREB and ERK Activation by Leptin and Angiotensin in the GT1-7 Cell Model by Capillary Electrophoresis-Based Western Blotting. *FASEB Journal*, **2020**, 34, 1-1	0.9	
294	Prorenin Induces Intracellular Signaling And Reactive Oxygen Species In The Brainstem. *FASEB Journal*, **2020**, 34, 1-1	0.9	

293	Common Laboratory Chow Diets Differentially Affect Energy Homeostasis and Modify Metabolic and Electrolyte Balance Effects of DOCA-salt in Wildtype Mice. *FASEB Journal*, **2020**, 34, 1-1	0.9	
292	Endothelial Dysfunction Induced by Mitochondrial Uncoupling is prevented by Retinol Binding Protein 7, a PPAR Target Gene. *FASEB Journal*, **2020**, 34, 1-1	0.9	
291	Susceptibility of Mice Lacking Renin-b to Chronic Angiotensin II Infusion. *FASEB Journal*, **2020**, 34, 1-1	0.9	
290	PPAR and RhoBTB1 in hypertension. *Current Opinion in Nephrology and Hypertension*, **2020**, 29, 161-170	3.5	7
289	Reduced mRNA Expression of RGS2 (Regulator of G Protein Signaling-2) in the Placenta Is Associated With Human Preeclampsia and Sufficient to Cause Features of the Disorder in Mice. *Hypertension*, **2020**, 75, 569-579	8.5	11
288	Cullin-3: Renal and Vascular Mechanisms Regulating Blood Pressure. *Current Hypertension Reports*, **2020**, 22, 61	4.7	3
287	Beat-to-Beat Blood Pressure Variability in the First Trimester Is Associated With the Development of Preeclampsia in a Prospective Cohort: Relation With Aortic Stiffness. *Hypertension*, **2020**, 76, 1800-1807	8.5	5
286	Cul3 regulates cyclin E1 protein abundance via a degron located within the N-terminal region of cyclin E. *Journal of Cell Science*, **2019**, 132,	5.3	6
285	Endothelial PPAR (Peroxisome Proliferator-Activated Receptor-) Protects From Angiotensin II-Induced Endothelial Dysfunction in Adult Offspring Born From Pregnancies Complicated by Hypertension. *Hypertension*, **2019**, 74, 173-183	8.5	12
284	Conditional deletion of smooth muscle Cullin-3 causes severe progressive hypertension. *JCI Insight*, **2019**, 5,	9.9	11
283	RhoBTB1 protects against hypertension and arterial stiffness by restraining phosphodiesterase 5 activity. *Journal of Clinical Investigation*, **2019**, 129, 2318-2332	15.9	20
282	PPAR Target Gene Retinol Binding Protein 7 (RBP7) Protects Against Endothelial Dysfunction Induced by Mitochondrial Uncoupling. *FASEB Journal*, **2019**, 33, 527.14	0.9	
281	Susceptibility of Mice Lacking Renin-b to Chronic Angiotensin II Infusion. *FASEB Journal*, **2019**, 33, 835.14	0.9	
280	Overexpression of the neuronal human (pro)renin receptor mediates angiotensin II-independent blood pressure regulation in the central nervous system. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H580-H592	5.2	7
279	Elevated vasopressin in pregnant mice induces T-helper subset alterations consistent with human preeclampsia. *Clinical Science*, **2018**, 132, 419-436	6.5	25
278	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
277	Dual gain and loss of cullin 3 function mediates familial hyperkalemic hypertension. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F1006-F1018	4.3	10
276	Angiotensin II Signal Transduction: An Update on Mechanisms of Physiology and Pathophysiology. *Physiological Reviews*, **2018**, 98, 1627-1738	47.9	383

275	Endothelial PPAR (Peroxisome Proliferator-Activated Receptor-) Is Essential for Preventing Endothelial Dysfunction With Aging. *Hypertension*, **2018**, 72, 227-234	8.5	22
274	Arginine vasopressin infusion is sufficient to model clinical features of preeclampsia in mice. *JCI Insight*, **2018**, 3,	9.9	33
273	Interference With Endothelial PPAR (Peroxisome Proliferator-Activated Receptor)- Causes Accelerated Cerebral Vascular Dysfunction in Response to Endogenous Renin-Angiotensin System Activation. *Hypertension*, **2018**, 72, 1227-1235	8.5	11
272	Microarray Analysis of Hypertension. *Methods in Molecular Biology*, **2017**, 1527, 41-52	1.4	4
271	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
270	Evidence for intraventricular secretion of angiotensinogen and angiotensin by the subfornical organ using transgenic mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R973-R981	3.2	8
269	How Is the Brain Renin-Angiotensin System Regulated?. *Hypertension*, **2017**, 70, 10-18	8.5	36
268	Potential mechanisms of hypothalamic renin-angiotensin system activation by leptin and DOCA-salt for the control of resting metabolism. *Physiological Genomics*, **2017**, 49, 722-732	3.6	15
267	PPAR and retinol binding protein 7 form a regulatory hub promoting antioxidant properties of the endothelium. *Physiological Genomics*, **2017**, 49, 653-658	3.6	4
266	Selective Deletion of Renin-b in the Brain Alters Drinking and Metabolism. *Hypertension*, **2017**, 70, 990-997	8.5	9
265	Genetic Interference With Endothelial PPAR- (Peroxisome Proliferator-Activated Receptor-) Augments Effects of Angiotensin II While Impairing Responses to Angiotensin 1-7. *Hypertension*, **2017**, 70, 559-565	8.5	13
264	Retinol-binding protein 7 is an endothelium-specific PPAR cofactor mediating an antioxidant response through adiponectin. *JCI Insight*, **2017**, 2, e91738	9.9	18
263	Mutant Cullin 3 causes familial hyperkalemic hypertension via dominant effects. *JCI Insight*, **2017**, 2,	9.9	30
262	Selective Deletion of the Brain-Specific Isoform of Renin Causes Neurogenic Hypertension. *Hypertension*, **2016**, 68, 1385-1392	8.5	31
261	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
260	Fibrotic Aortic Valve Stenosis in Hypercholesterolemic/Hypertensive Mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 466-74	9.4	14
259	Estrogen Receptor s Required for Maintaining Baseline Renin Expression. *Hypertension*, **2016**, 67, 992-9	8.5	11
258	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

257	Cullin-3 mutation causes arterial stiffness and hypertension through a vascular smooth muscle mechanism. *JCI Insight*, **2016**, 1, e91015	9.9	38
256	Collecting Duct Renin Does Not Mediate DOCA-Salt Hypertension or Renal Injury. *PLoS ONE*, **2016**, 11, e0159872	3.7	7
255	Effect of selective expression of dominant-negative PPAR in pro-opiomelanocortin neurons on the control of energy balance. *Physiological Genomics*, **2016**, 48, 491-501	3.6	12
254	Interference with PPAR in endothelium accelerates angiotensin II-induced endothelial dysfunction. *Physiological Genomics*, **2016**, 48, 124-34	3.6	27
253	Introduction to the American Heart Association Hypertension Strategically Focused Research Network. *Hypertension*, **2016**, 67, 674-80	8.5	7
252	Nervous System Expression of PPAR and Mutant PPAR Has Profound Effects on Metabolic Regulation and Brain Development. *Endocrinology*, **2016**, 157, 4266-4275	4.8	11
251	Role of CaMKII in Ang-II-dependent small artery remodeling. *Vascular Pharmacology*, **2016**, 87, 172-179	5.9	3
250	Suppression of Resting Metabolism by the Angiotensin AT2 Receptor. *Cell Reports*, **2016**, 16, 1548-1560	10.6	28
249	mTORC1 Signaling Contributes to Drinking But Not Blood Pressure Responses to Brain Angiotensin II. *Endocrinology*, **2016**, 157, 3140-8	4.8	7
248	Endothelial PPAR- protects against vascular thrombosis by downregulating P-selectin expression. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 838-44	9.4	26
247	Brain endoplasmic reticulum stress mechanistically distinguishes the saline-intake and hypertensive response to deoxycorticosterone acetate-salt. *Hypertension*, **2015**, 65, 1341-8	8.5	14
246	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
245	Vasopressin: the missing link for preeclampsia?. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R1062-4	3.2	21
244	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
243	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
242	PPAR Regulation in Hypertension and Metabolic Syndrome. *Current Hypertension Reports*, **2015**, 17, 89	4.7	22
241	Vascular versus tubular renin: role in kidney development. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R650-7	3.2	23
240	Genetic interference with peroxisome proliferator-activated receptor in smooth muscle enhances myogenic tone in the cerebrovasculature via A Rho kinase-dependent mechanism. *Hypertension*, **2015**, 65, 345-51	8.5	16

239	Pregnant mice lacking indoleamine 2,3-dioxygenase exhibit preeclampsia phenotypes. *Physiological Reports*, **2015**, 3, e12257	2.6	39
238	Molecular mechanisms regulating vascular tone by peroxisome proliferator activated receptor gamma. *Current Opinion in Nephrology and Hypertension*, **2015**, 24, 123-30	3.5	18
237	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
236	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
235	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
234	Role of vascular smooth muscle PPAR□n regulating AT1 receptor signaling and angiotensin II-dependent hypertension. *PLoS ONE*, **2014**, 9, e103786	3.7	10
233	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
232	Interference with peroxisome proliferator-activated receptor-□n vascular smooth muscle causes baroreflex impairment and autonomic dysfunction. *Hypertension*, **2014**, 64, 590-6	8.5	11
231	Role of peroxisome proliferator-activated receptor-□n vascular muscle in the cerebral circulation. *Hypertension*, **2014**, 64, 1088-93	8.5	23
230	Collecting duct-specific knockout of renin attenuates angiotensin II-induced hypertension. *American Journal of Physiology - Renal Physiology*, **2014**, 307, F931-8	4.3	43
229	Metabolic rate regulation by the renin-angiotensin system: brain vs. body. *Pflugers Archiv European Journal of Physiology*, **2013**, 465, 167-75	4.6	21
228	Differential control of calcium homeostasis and vascular reactivity by Ca2+/calmodulin-dependent kinase II. *Hypertension*, **2013**, 62, 434-41	8.5	23
227	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
226	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
225	Allele-specific expression of angiotensinogen in human subcutaneous adipose tissue. *Hypertension*, **2013**, 62, 41-7	8.5	12
224	PPAR□no SirT, no service. *Circulation Research*, **2013**, 112, 411-4	15.7	6
223	Pioglitazone attenuates valvular calcification induced by hypercholesterolemia. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 523-32	9.4	34
222	Angiotensin type 1a receptors in the subfornical organ are required for deoxycorticosterone acetate-salt hypertension. *Hypertension*, **2013**, 61, 716-22	8.5	41

221	Regulation of adipose thermogenesis by Epidermal Growth Factor and angiotensin AT2 receptor activation. *FASEB Journal*, **2013**, 27, 696.1	0.9	
220	Interference with PPARγ in endothelium accelerates angiotensin II-mediated vascular dysfunction. *FASEB Journal*, **2013**, 27, 901.7	0.9	
219	Deoxycorticosterone acetate (DOCA)-salt exacerbates hypertension and vascular dysfunction in mice expressing dominant negative Peroxisome Proliferator-Activated Receptor-gamma (PPARG) in smooth muscle. *FASEB Journal*, **2013**, 27, 708.10	0.9	
218	Glycemic control by the brain renin-angiotensin system: Role for peripheral AT2 receptors. *FASEB Journal*, **2013**, 27, 1120.2	0.9	
217	Production of angiotensin within the SFO is sufficient to increase ERK1/2 and CREB activity in the SFO and PVN. *FASEB Journal*, **2013**, 27, 1165.11	0.9	
216	Genetic interference with peroxisome proliferator-activated receptor γ (PPARγ) in smooth muscle enhances cerebrovascular myogenic tone via a rho kinase-dependent mechanism. *FASEB Journal*, **2013**, 27, 925.1	0.9	
215	Decreased expression of neuronal nitric oxide synthase in the nucleus tractus solitarii inhibits sympathetically mediated baroreflex responses in rat. *Journal of Physiology*, **2012**, 590, 3545-59	3.9	11
214	PPARγ 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
213	A second chance for a PPARγ targeted therapy?. *Circulation Research*, **2012**, 110, 8-11	15.7	8
212	Cullin-3 regulates vascular smooth muscle function and arterial blood pressure via PPARγ and RhoA/Rho-kinase. *Cell Metabolism*, **2012**, 16, 462-72	24.6	77
211	Coex-Rank: An approach incorporating co-expression information for combined analysis of microarray data. *Journal of Integrative Bioinformatics*, **2012**, 9, 32-43	3.8	1
210	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
209	Peroxisome proliferator-activated receptor-γ protects against vascular aging. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R1184-90	3.2	22
208	Divergent mechanism regulating fluid intake and metabolism by the brain renin-angiotensin system. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R313-20	3.2	12
207	Regulation of renin expression by the orphan nuclear receptors Nr2f2 and Nr2f6. *American Journal of Physiology - Renal Physiology*, **2012**, 302, F1025-33	4.3	10
206	Gene trapping uncovers sex-specific mechanisms for upstream stimulatory factors 1 and 2 in angiotensinogen expression. *Hypertension*, **2012**, 59, 1212-9	8.5	12
205	Coex-Rank: An approach incorporating co-expression information for combined analysis of microarray data. *Journal of Integrative Bioinformatics*, **2012**, 9, 208	3.8	3
204	Endoplasmic Reticulum Stress in Cardiovascular and Metabolic Control during DOCA-Salt Treatment. *FASEB Journal*, **2012**, 26, 703.22	0.9	

203	Interference of peroxisome proliferator-activated receptor-gamma (PPAG) in vascular muscle enhances myogenic tone in small resistance arteries via protein kinase C (PKC)-induced inhibition of large conductance Ca2+-activated K+ channel (BKCa) activity. *FASEB Journal*, **2012**, 26, 1058.6	0.9	
202	CaMKII inhibition in vascular smooth muscle improves angiotensin II hypertension. *FASEB Journal*, **2012**, 26, lb599	0.9	
201	Inflaming hypothalamic neurons raises blood pressure. *Cell Metabolism*, **2011**, 14, 3-4	24.6	11
200	Ablation of the leptin receptor in the hypothalamic arcuate nucleus abrogates leptin-induced sympathetic activation. *Circulation Research*, **2011**, 108, 808-12	15.7	119
199	Angiotensinergic signaling in the brain mediates metabolic effects of deoxycorticosterone (DOCA)-salt in C57 mice. *Hypertension*, **2011**, 57, 600-7	8.5	71
198	Cystic fibrosis transmembrane conductance regulator with a shortened R domain rescues the intestinal phenotype of CFTR-/- mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2921-6	11.5	12
197	Oxidation of CaMKII determines the cardiotoxic effects of aldosterone. *Nature Medicine*, **2011**, 17, 1610-8	30.5	178
196	Neuron- or glial-specific ablation of secreted renin does not affect renal renin, baseline arterial pressure, or metabolism. *Physiological Genomics*, **2011**, 43, 286-94	3.6	14
195	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
194	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. *FASEB Journal*, **2011**, 25, 1078.10	0.9	
193	Regulation of Renin Gene Expression by Oxidative Stress. *FASEB Journal*, **2011**, 25, lb499	0.9	
192	Gene trapping uncovers gender-specific mechanisms for upstream stimulatory factors 1 and 2 in angiotensinogen expression. *FASEB Journal*, **2011**, 25, lb507	0.9	
191	Endothelial and vascular muscle PPARgamma in arterial pressure regulation: lessons from genetic interference and deficiency. *Hypertension*, **2010**, 55, 437-44	8.5	34
190	Increased renin production in mice with deletion of peroxisome proliferator-activated receptor-gamma in juxtaglomerular cells. *Hypertension*, **2010**, 55, 660-6	8.5	21
189	Brain-selective overexpression of human Angiotensin-converting enzyme type 2 attenuates neurogenic hypertension. *Circulation Research*, **2010**, 106, 373-82	15.7	155
188	The microRNA-processing enzyme dicer maintains juxtaglomerular cells. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 460-7	12.7	125
187	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
186	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

185	Cardiovascular consequences of genetic variation at -6/235 in human angiotensinogen using "humanized" gene-targeted mice. *Hypertension*, **2010**, 56, 981-7	8.5	6
184	Twists and turns in the search for the elusive renin processing enzyme: focus on "Cathepsin B is not the processing enzyme for mouse prorenin". *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R1209-11	3.2	7
183	Team exercise. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R1	3.2	
182	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
181	The brain Renin-angiotensin system controls divergent efferent mechanisms to regulate fluid and energy balance. *Cell Metabolism*, **2010**, 12, 431-42	24.6	112
180	Role of Angiotensin II Receptor (AT1aR) in Thick Ascending Limb of Henleß Loop and Distal Tubules. *FASEB Journal*, **2010**, 24, 605.5	0.9	
179	Interference with Peroxisome Proliferator Activated Receptor Gamma (PPARG) in smooth muscle causes aortic dysfunction via a Rho-kinase-dependent mechanism. *FASEB Journal*, **2010**, 24, 980.6	0.9	
178	Role of vascular muscle Peroxisome Proliferator-Activated Receptor-gamma (PPAR gamma) in the regulation of resistance vessel tone. *FASEB Journal*, **2010**, 24, 776.2	0.9	
177	Preservation of intracellular renin expression is insufficient to compensate for genetic loss of secreted renin. *Hypertension*, **2009**, 54, 1240-7	8.5	28
176	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
175	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
174	Hypothalamic ERK mediates the anorectic and thermogenic sympathetic effects of leptin. *Diabetes*, **2009**, 58, 536-42	0.9	150
173	Regulation of renin gene expression by oxidative stress. *Hypertension*, **2009**, 53, 1070-6	8.5	21
172	Characterization of transgenic mice with neuron-specific expression of soluble epoxide hydrolase. *Brain Research*, **2009**, 1291, 60-72	3.7	17
171	Genetic Disruption of Secreted Renin with Preservation of Intracellular Renin Causes Cardiovascular Dysregulation and Interfered Metabolism. *FASEB Journal*, **2009**, 23, LB45	0.9	
170	Cardiac autonomic function in mice expressing dominant-negative mutation of PPAR-gamma (PPARG) in vascular smooth muscle. *FASEB Journal*, **2009**, 23, LB140	0.9	
169	From molecules to medicine: a future cure for preeclampsia?. *Drug News and Perspectives*, **2009**, 22, 531-41		5
168	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

167	Interference with PPAR gamma function in smooth muscle causes vascular dysfunction and hypertension. *Cell Metabolism*, **2008**, 7, 215-26	24.6	135
166	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
165	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
164	Interference with PPARgamma signaling causes cerebral vascular dysfunction, hypertrophy, and remodeling. *Hypertension*, **2008**, 51, 867-71	8.5	93
163	Id3, E47, and SREBP-1c: fat factors controlling adiponectin expression. *Circulation Research*, **2008**, 103, 565-7	15.7	14
162	Dysregulated human renin expression in transgenic mice carrying truncated genomic constructs: evidence supporting the presence of insulators at the renin locus. *American Journal of Physiology - Renal Physiology*, **2008**, 295, F642-53	4.3	3
161	AJP: Regulatory, Integrative and Comparative Physiology: 1 year later. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R1007-R1008	3.2	
160	Chorionic enhancer is dispensable for regulated expression of the human renin gene. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 294, R279-87	3.2	11
159	A growing chain of evidence linking genetic variation in angiotensinogen with essential hypertension: focus on "a haplotype of human angiotensinogen gene containing -217A increases blood pressure in transgenic mice compared with -217G," by Jain et al. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R1846-8	3.2	0
158	An androgen-inducible proximal tubule-specific Cre recombinase transgenic model. *American Journal of Physiology - Renal Physiology*, **2008**, 294, F1481-6	4.3	21
157	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
156	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
155	An intracellular renin-angiotensin system in neurons: fact, hypothesis, or fantasy. *Physiology*, **2008**, 23, 187-93	9.8	119
154	Requirement of TCTG(G/C) Direct Repeats and Overlapping GATA Site for Maintaining the Cardiac-Specific Expression of Cardiac troponin T in Developing and Adult Mice. *Anatomical Record*, **2008**, 291, 1574-86	2.1	6
153	Requirement of TCTG(G/C) Direct Repeats and Overlapping GATA Site for Maintaining the Cardiac-Specific Expression of Cardiac troponin T in Developing and Adult Mice. *Anatomical Record*, **2008**, 291, spc1-spc1	2.1	
152	Role of Oxidative Stress and Angiotensin II in Cerebral Vascular Dysfunction with Aging. *FASEB Journal*, **2008**, 22, 1151.21	0.9	
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