Jane F Reckelhoff

List of Publications by Citations

96 papers	4,737 citations	34 h-index	68 g-index
107 ext. papers	5,261 ext. citations	4.2 avg, IF	5.9 L-index

#	Paper	IF	Citations
96	Gender differences in the regulation of blood pressure. *Hypertension*, **2001**, 37, 1199-208	8.5	798
95	State-of-the-Art lecture. Role of angiotensin and oxidative stress in essential hypertension. *Hypertension*, **1999**, 34, 943-9	8.5	297
94	Testosterone exacerbates hypertension and reduces pressure-natriuresis in male spontaneously hypertensive rats. *Hypertension*, **1998**, 31, 435-9	8.5	254
93	Gender differences in development of hypertension in spontaneously hypertensive rats: role of the renin-angiotensin system. *Hypertension*, **2000**, 35, 480-3	8.5	221
92	Reduced uterine perfusion pressure during pregnancy in the rat is associated with increases in arterial pressure and changes in renal nitric oxide. *Hypertension*, **2001**, 37, 1191-5	8.5	208
91	Sex Differences in the Cardiovascular Consequences of Diabetes Mellitus: A Scientific Statement From the American Heart Association. *Circulation*, **2015**, 132, 2424-47	16.7	168
90	Novel mechanisms responsible for postmenopausal hypertension. *Hypertension*, **2004**, 43, 918-23	8.5	162
89	Role of oxidative stress in angiotensin-induced hypertension. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2003**, 284, R893-912	3.2	151
88	Hypertension in postmenopausal women. *Current Hypertension Reports*, **2012**, 14, 254-60	4.7	126
87	Sex steroids, cardiovascular disease, and hypertension: unanswered questions and some speculations. *Hypertension*, **2005**, 45, 170-4	8.5	126
86	Postmenopausal hypertension. *American Journal of Hypertension*, **2011**, 24, 740-9	2.3	123
85	Characterization of an animal model of postmenopausal hypertension in spontaneously hypertensive rats. *Hypertension*, **2003**, 41, 640-5	8.5	121
84	The Importance of Biological Sex and Estrogen in Rodent Models of Cardiovascular Health and Disease. *Circulation Research*, **2016**, 118, 1294-312	15.7	116
83	Role of reactive oxygen species in endothelin-induced hypertension. *Hypertension*, **2003**, 42, 806-10	8.5	102
82	Changes in nitric oxide precursor, L-arginine, and metabolites, nitrate and nitrite, with aging. *Life Sciences*, **1994**, 55, 1895-902	6.8	100
81	Angiotensin II stimulates synthesis of endothelial nitric oxide synthase. *Hypertension*, **1998**, 31, 283-8	8.5	91
80	Testosterone-dependent hypertension and upregulation of intrarenal angiotensinogen in Dahl salt-sensitive rats. *American Journal of Physiology - Renal Physiology*, **2009**, 296, F771-9	4.3	81

79	Subpressor doses of angiotensin II increase plasma F(2)-isoprostanes in rats. *Hypertension*, **2000**, 35, 476-9	8.5	77
78	Role of androgens in mediating hypertension and renal injury. *Clinical and Experimental Pharmacology and Physiology*, **1999**, 26, 127-31	3	77
77	Sex differences in oxidative stress and the impact on blood pressure control and cardiovascular disease. *Clinical and Experimental Pharmacology and Physiology*, **2007**, 34, 938-45	3	70
76	Testosterone supplementation in aging men and women: possible impact on cardiovascular-renal disease. *American Journal of Physiology - Renal Physiology*, **2005**, 289, F941-8	4.3	69
75	Sex differences in the pressor response to angiotensin II when the endogenous renin-angiotensin system is blocked. *Hypertension*, **2008**, 51, 1170-6	8.5	66
74	Cardiovascular-renal and metabolic characterization of a rat model of polycystic ovary syndrome. *Gender Medicine*, **2011**, 8, 103-15		59
73	Role of endothelin in mediating postmenopausal hypertension in a rat model. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R229-33	3.2	51
72	Sexual dimorphism in the renin-angiotensin system in aging spontaneously hypertensive rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 291, R383-90	3.2	48
71	Postmenopausal hypertension: role of the Renin-Angiotensin system. *Hypertension*, **2010**, 56, 359-63	8.5	46
70	Systemic arterial pressure response to two weeks of Tempol therapy in SHR: involvement of NO, the RAS, and oxidative stress. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R903-8	3.2	46
69	Report of the National Heart, Lung, and Blood Institute Working Group on Sex Differences Research in Cardiovascular Disease: Scientific Questions and Challenges. *Hypertension*, **2016**, 67, 802-7	8.5	44
68	Reactive oxygen species: players in the cardiovascular effects of testosterone. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R1-14	3.2	40
67	Role of oxidative stress in the sex differences in blood pressure in spontaneously hypertensive rats. *Journal of Hypertension*, **2005**, 23, 801-5	1.9	40
66	Postmenopausal hypertension: role of the sympathetic nervous system in an animal model. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R248-56	3.2	37
65	The effect of aging on glomerular hemodynamics in the rat. *American Journal of Kidney Diseases*, **1992**, 20, 70-5	7.4	36
64	Gender differences in hypertension. *Current Opinion in Nephrology and Hypertension*, **2018**, 27, 176-181	3.5	34
63	Protective role of testosterone in ischemia-reperfusion-induced acute kidney injury. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R951-8	3.2	34
62	Metabolic syndrome, androgens, and hypertension. *Current Hypertension Reports*, **2011**, 13, 158-62	4.7	34

61	Role of the renal nerves in blood pressure in male and female SHR. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 290, R341-4	3.2	32
60	Increasing oxidative stress with molsidomine increases blood pressure in genetically hypertensive rats but not normotensive controls. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R763-70	3.2	32
59	Roles for the sympathetic nervous system, renal nerves, and CNS melanocortin-4 receptor in the elevated blood pressure in hyperandrogenemic female rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R708-13	3.2	30
58	Postmenopausal hypertension: role of 20-HETE. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 300, R1543-8	3.2	30
57	Testosterone supplementation in male obese Zucker rats reduces body weight and improves insulin sensitivity but increases blood pressure. *Hypertension*, **2012**, 59, 726-31	8.5	30
56	Chronic aminoguanidine attenuates renal dysfunction and injury in aging rats. *American Journal of Hypertension*, **1999**, 12, 492-8	2.3	29
55	Low-dose testosterone protects against renal ischemia-reperfusion injury by increasing renal IL-10-to-TNF- ratio and attenuating T-cell infiltration. *American Journal of Physiology - Renal Physiology*, **2016**, 311, F395-403	4.3	29
54	Sexual dimorphism in the blood pressure response to angiotensin II in mice after angiotensin-converting enzyme blockade. *American Journal of Hypertension*, **2010**, 23, 92-6	2.3	26
53	Roles played by 20-HETE, angiotensin II and endothelin in mediating the hypertension in aging female spontaneously hypertensive rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R248-51	3.2	25
52	The vasodilatory effect of testosterone on renal afferent arterioles. *Gender Medicine*, **2012**, 9, 103-11		25
51	Sex, Oxidative Stress, and Hypertension: Insights From Animal Models. *Physiology*, **2019**, 34, 178-188	9.8	24
50	20-HETE and CYP4A2 hydroxylase contribute to the elevated blood pressure in hyperandrogenemic female rats. *American Journal of Physiology - Renal Physiology*, **2016**, 311, F71-7	4.3	21
49	Cardiometabolic Effects of Chronic Hyperandrogenemia in a New Model of Postmenopausal Polycystic Ovary Syndrome. *Endocrinology*, **2016**, 157, 2920-7	4.8	21
48	Sex Differences in Regulation of Blood Pressure. *Advances in Experimental Medicine and Biology*, **2018**, 1065, 139-151	3.6	19
47	Rosiglitazone reduces blood pressure in female Dahl salt-sensitive rats. *Steroids*, **2010**, 75, 794-9	2.8	19
46	Treatment with tetrahydrobiopterin reduces blood pressure in male SHR by reducing testosterone synthesis. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R733-6	3.2	19
45	Role and Regulation of MicroRNAs in Aldosterone-Mediated Cardiac Injury and Dysfunction in Male Rats. *Endocrinology*, **2017**, 158, 1859-1874	4.8	17
44	. *Physiology*, **2017**, 32, 357-366	9.8	16

43	Consequences of advanced aging on renal function in chronic hyperandrogenemic female rat model: implications for aging women with polycystic ovary syndrome. *Physiological Reports*, **2017**, 5, e13461	2.6	13
42	Polycystic ovary syndrome: androgens and hypertension. *Hypertension*, **2007**, 49, 1220-1	8.5	13
41	Mechanisms responsible for postmenopausal hypertension in a rat model: Roles of the renal sympathetic nervous system and the renin-angiotensin system. *Physiological Reports*, **2016**, 4, e12669	2.6	12
40	Refractory blood pressure in female SHR to increased oxidative stress is not mediated by NO or by upregulation of renal antioxidant enzymes. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R266-71	3.2	11
39	Gender difference in response to thromboxane A2/prostaglandin H2 receptor antagonism in spontaneously hypertensive rats. *Gender Medicine*, **2004**, 1, 100-5		11
38	Rodent vertical sleeve gastrectomy alters maternal immune health and fetoplacental development. *Clinical Science*, **2018**, 132, 295-312	6.5	11
37	Basic research into the mechanisms responsible for postmenopausal hypertension. *International Journal of Clinical Practice, Supplement*, **2004**, 13-9		11
36	Sex differences in blood pressure control in SHR: lack of a role for EETs. *Physiological Reports*, **2014**, 2, e12022	2.6	9
35	Sex and sex steroids in cardiovascular-renal physiology and pathophysiology. *Gender Medicine*, **2008** , 5 Suppl A, S1-2		8
34	Pregnancy Protects Hyperandrogenemic Female Rats From Postmenopausal Hypertension. *Hypertension*, **2020**, 76, 943-952	8.5	5
33	Androgens and Blood Pressure Control: Sex Differences and Mechanisms. *Mayo Clinic Proceedings*, **2019**, 94, 536-543	6.4	4
32	Reproducibility in animal models of hypertension: a difficult problem. *Biology of Sex Differences*, **2018**, 9, 53	9.3	3
31	Cardiometabolic consequences of maternal hyperandrogenemia in male offspring. *Physiological Reports*, **2021**, 9, e14941	2.6	3
30	Models of Hypertension in Aging **2018**, 703-720		2
29	Postmenopausal Hypertension: Insights from Rat Models. *Current Hypertension Reviews*, **2007**, 3, 177-181	1.3	1
28	Consequences of hyperandrogenemia during pregnancy in female offspring: attenuated response to angiotensin II.. *Journal of Hypertension*, **2022**, 40,	1.9	1
27	Angiotensin converting enzyme inhibitor up regulates the expression of estrogen receptors in the kidney in old female rats.. *FASEB Journal*, **2008**, 22, 941.8	0.9	1
26	As precision medicine becomes more important, is it finally time for increased emphasis on gender medicine?. *Biochemist*, **2017**, 39, 4-5	0.5	1

25	Antidiuretic Effects of Endothelin A Receptor Antagonism. *FASEB Journal*, **2009**, 23, 605.7	0.9	1
24	Androgens and Cardiovascular Diseases in Women **2019**, 3-12		
23	Sex and Gender Differences in Cardiovascular-Renal Diseases and Hypertension. *Colloquium Series on Integrated Systems Physiology From Molecule To Function*, **2014**, 6, 1-97		
22	Blood pressure (BP) decreases with the thromboxane A2 receptor antagonism in male SHR, but not in female SHR*1. *American Journal of Hypertension*, **2002**, 15, A152	2.3	
21	Male Offspring of Hyperandrogenemic Female (HAF) Rats Develop Hypertension Beginning at 16 Weeks of Age. *FASEB Journal*, **2020**, 34, 1-1	0.9	
20	Female Offspring of Hyperandrogenemic Female (HAF) Rat Model Exhibit Insulin Resistance and Increased Blood Pressure With Aging. *FASEB Journal*, **2020**, 34, 1-1	0.9	
19	Sex differences in renal oxidative stress in Spontaneously Hypertensive Rats. *FASEB Journal*, **2006**, 20, A1194	0.9	
18	Upregulation of renal angiotensinogen in male but not female SD rats during angiotensin-II induced hypertension. *FASEB Journal*, **2007**, 21, A1418	0.9	
17	Dynamic renal autoregulation in conscious, freely moving mice. *FASEB Journal*, **2008**, 22, 969.23	0.9	
16	Obesity Increases Renal Cortical Neovascularization in Zucker Rats. *FASEB Journal*, **2008**, 22, 947.7	0.9	
15	Oxidative stress does not mediate hypertension and renal injury in ovariectomized DS rats. *FASEB Journal*, **2008**, 22, 940.5	0.9	
14	Rosiglitazone Decreases Blood Pressure in Female Dahl Rats: Role of Nitric Oxide and Oxidative Stress. *FASEB Journal*, **2008**, 22, 941.16	0.9	
13	The role of T cells on the elevated blood pressure of female and male PCOS offspring. *FASEB Journal*, **2019**, 33, 593.5	0.9	
12	Chronic Nicotine Worsens Blood Pressure and Renal Injury on Hyperandrogenemic Female Rats. *FASEB Journal*, **2019**, 33, 593.7	0.9	
11	Acetazolamide Administration Restores the Blood Pressure Lowering Effect of Tempol in Female SHR. *FASEB Journal*, **2019**, 33, 574.5	0.9	
10	Sex Differences in Lamina Terminalis and Hypothalamic Paraventicular Nucleus Activation in Aging Spontaneously Hypertensive Rats (SHR). *FASEB Journal*, **2015**, 29, 813.7	0.9	
9	Ovariectomized female Dahl salt-sensitive rats exhibit features of the metabolic syndrome. *FASEB Journal*, **2009**, 23, 968.9	0.9	
8	Beneficial cardiac effects of enalapril in postmenopausal hypertensive rats. *FASEB Journal*, **2009**, 23, 968.11	0.9	

7	CHRONIC TESTOSTERONE SUPPLEMENTATION IN ZUCKER RATS WORSEN RENAL FUNCTION IN LEAN, BUT NOT OBESE. *FASEB Journal*, **2009**, 23, 806.10	0.9
6	ALDOSTERONE AND HYPERTENSION IN OVARIECTOMIZED FEMALE DAHL SALT SENSITIVE RATS ON LOW SALT DIET. *FASEB Journal*, **2009**, 23, 1013.5	0.9
5	ESTROGEN RECEPTOR CONTRIBUTES TO SEX DIFFERENCES IN ACUTE KIDNEY INJURY. *FASEB Journal*, **2010**, 24, 1041.16	0.9
4	Testosterone supplements improve insulin resistance, but not blood pressure in obese male Zucker rats.. *FASEB Journal*, **2010**, 24, 1041.15	0.9
3	The role of the renal sympathetic nerves in a model of postmenopausal hypertension. *FASEB Journal*, **2012**, 26, 880.2	0.9
2	Renal Infiltration of T Lymphocytes in a Rat Model of Polycystic Ovary Syndrome. *FASEB Journal*, **2013**, 27, lb894	0.9
1	Connecting Generations of Scientists in the Council on Hypertension Through Harriet Dustan. *Hypertension*, **2021**, 77, 296-307	8.5