Frank T Spradley

List of Publications by Year in Descending Order

47 papers	569 citations	11 h-index	23 g-index
52 ext. papers	681 ext. citations	3.3 avg, IF	4.08 L-index

#	Paper	IF	Citations
47	Placental Ischemia Says "NO" to Proper NOS-Mediated Control of Vascular Tone and Blood Pressure in Preeclampsia. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
46	Impact of hyperleptinemia during placental ischemia-induced hypertension in pregnant rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H1949-H1958	5.2	3
45	Chronic CNS-mediated cardiometabolic actions of leptin: potential role of sex differences. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 320, R173-R181	3.2	3
44	Luteolin-induced vasorelaxation in uterine arteries from normal pregnant rats. *Pregnancy Hypertension*, **2021**, 23, 11-17	2.6	1
43	Circulating Total Cell-Free DNA Levels Are Increased in Hypertensive Disorders of Pregnancy and Associated with Prohypertensive Factors and Adverse Clinical Outcomes. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
42	Utero-placental vascular remodeling during late gestation in Sprague-Dawley rats. *Pregnancy Hypertension*, **2020**, 20, 36-43	2.6	2
41	1762: ORTHOPEDIC INJURY-INDUCED MITOCHONDRIAL DNA RELEASE: A RODENT MODEL. *Critical Care Medicine*, **2020**, 48, 855-855	1.4	
40	Administration of recombinant human placental growth factor decreases blood pressure in obese hypertensive pregnant rats. *Journal of Hypertension*, **2020**, 38, 2295-2304	1.9	2
39	A rat model of orthopedic injury-induced hypercoagulability and fibrinolytic shutdown. *Journal of Trauma and Acute Care Surgery*, **2020**, 89, 926-931	3.3	3
38	High-fat diet from parental generation exaggerates body and adipose tissue weights in pregnant offspring. *PLoS ONE*, **2020**, 15, e0237708	3.7	0
37	Preeclampsia: Linking Placental Ischemia with Maternal Endothelial and Vascular Dysfunction. *Comprehensive Physiology*, **2020**, 11, 1315-1349	7.7	4
36	Prenatal Sildenafil Therapy Improves Cardiovascular Function in Fetal Growth Restricted Offspring of Dahl Salt-Sensitive Rats. *Hypertension*, **2019**, 73, 1120-1127	8.5	6
35	Chronic infusion of interleukin-17 promotes hypertension, activation of cytolytic natural killer cells, and vascular dysfunction in pregnant rats. *Physiological Reports*, **2019**, 7, e14038	2.6	11
34	Intralipid Infusion in Pregnant Rats Induces Plasma Angiogenic Imbalance, Inflammation, and Intrauterine Growth Restriction. *FASEB Journal*, **2019**, 33, 865.16	0.9	
33	Functional Topography in the Rat Rostral Ventrolateral Medulla (RVLM): Distribution of C1 Neurons that Respond to Cardiovascular versus Metabolic Stimuli. *FASEB Journal*, **2019**, 33, 742.8	0.9	
32	Orthopedic Injury-Induced Hypercoagulability in Rats. *FASEB Journal*, **2019**, 33, lb521	0.9	
31	Combined perinatal and offspring high-fat diet exaggerates body mass and adiposity but not blood pressure levels during pregnancy of these offspring. *FASEB Journal*, **2019**, 33, 757.4	0.9	

30	Luteolin protects human glomerular endothelial cells from TNF-induced endothelial dysfunction by attenuating ET-1 and ROS production. *FASEB Journal*, **2019**, 33, 865.9	0.9	
29	Soluble Guanylate Cyclase Activators Increase cGMP Expression and Improve Vascular Function and Placental Ischemia-Induced Hypertension. *FASEB Journal*, **2019**, 33, 865.13	0.9	2
28	Melanocortin-4 Receptor Deficiency Attenuates Placental Ischemia-Induced Hypertension in Pregnant Rats. *Hypertension*, **2019**, 73, 162-170	8.5	4
27	Role of melanocortin 4 receptor in hypertension induced by chronic intermittent hypoxia. *Acta Physiologica*, **2019**, 225, e13222	5.6	4
26	The Endothelin System: A Critical Player in the Pathophysiology of Preeclampsia. *Current Hypertension Reports*, **2018**, 20, 32	4.7	46
25	Developmental origins of nonalcoholic fatty liver disease as a risk factor for exaggerated metabolic and cardiovascular-renal disease. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E795-E814	6	6
24	Heme oxygenase-1 is a potent inhibitor of placental ischemia-mediated endothelin-1 production in cultured human glomerular endothelial cells. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 314, R427-R432	3.2	11
23	Placental Ischemia-Induced Hypertension Is Abolished by Adrenergic Receptor Blockade. *FASEB Journal*, **2018**, 32, 729.8	0.9	
22	Maternal separation enhances anticontractile perivascular adipose tissue function in male rats on a high-fat diet. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R1085-R1095	3.2	10
21	Adrenergic receptor blockade attenuates placental ischemia-induced hypertension. *Physiological Reports*, **2018**, 6, e13814	2.6	11
20	Exposure to placental ischemia impairs postpartum maternal renal and cardiac function in rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R664-R670	3.2	23
19	Role of Nitric Oxide Synthase on Blood Pressure Regulation and Vascular Function in Pregnant Rats on a High-Fat Diet. *American Journal of Hypertension*, **2017**, 30, 240-248	2.3	9
18	Nitric oxide synthase-mediated blood pressure regulation in obese melanocortin-4 receptor-deficient pregnant rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 311, R851-R857	3.2	4
17	Differential body weight, blood pressure and placental inflammatory responses to normal versus high-fat diet in melanocortin-4 receptor-deficient pregnant rats. *Journal of Hypertension*, **2016**, 34, 1998-2007	4.8	7
16	Placental Growth Factor Administration Abolishes Placental Ischemia-Induced Hypertension. *Hypertension*, **2016**, 67, 740-7	8.5	100
15	Placental growth factor administration prevents hypertension, increased sFlt-1 levels and reduced glomerular filtration rate responses to placental ischemia. *FASEB Journal*, **2016**, 30, 1214.8	0.9	
14	Chronic hyperleptinemia results in the development of hypertension in pregnant rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R855-61	3.2	24
13	Brain-mediated antidiabetic, anorexic, and cardiovascular actions of leptin require melanocortin-4 receptor signaling. *Journal of Neurophysiology*, **2015**, 113, 2786-91	3.2	19

12	Immune Mechanisms Linking Obesity and Preeclampsia. *Biomolecules*, **2015**, 5, 3142-76	5.9	49
11	Melanocortin-4 Receptor (MC4R) Deficiency Promotes Increases in High-Fat Diet-Induced Body Weight Gain And Visceral Fat, but Not Hypertension, during Pregnancy. *FASEB Journal*, **2015**, 29, 811.22	0.9	
10	The heme oxygenases: important regulators of pregnancy and preeclampsia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R769-77	3.2	9
9	Reduced uterine perfusion pressure induces hypertension in the pregnant mouse. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R1353-7	3.2	43
8	Euglycemic hyperinsulinemia increases blood pressure in pregnant rats independent of placental antiangiogenic and inflammatory factors. *American Journal of Hypertension*, **2013**, 26, 1445-51	2.3	7
7	Differential regulation of nitric oxide synthase function in aorta and tail artery from 5/6 nephrectomized rats. *Physiological Reports*, **2013**, 1, e00145	2.6	9
6	Obese melanocortin-4 receptor-deficient rats exhibit augmented angiogenic balance and vasorelaxation during pregnancy. *Physiological Reports*, **2013**, 1, e00081	2.6	19
5	Recent advances in the understanding of the pathophysiology of preeclampsia. *Hypertension*, **2013**, 62, 666-73	8.5	91
4	Effect of high-fat diet (HFD) on resistance artery function in normal pregnant rats. *FASEB Journal*, **2013**, 27, 1114.5	0.9	
3	Effect of high-fat diet (HFD) on blood pressure and placental levels of tumor necrosis factor (TNF)-and soluble fms-like tyrosine kinase (sFlt)-1 in pregnant rats. *FASEB Journal*, **2013**, 27, 907.10	0.9	
2	Tumor Necrosis Factor induces cerebral edema and increased cerebrovascular permeability in normal pregnant rats. *FASEB Journal*, **2013**, 27, 907.9	0.9	
1	Antihypertensive therapy increases tetrahydrobiopterin levels and NO/cGMP signaling in small arteries of angiotensin II-infused hypertensive rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H718-24	5.2	22