# Jennifer M Sasser

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 55 papers | 886 citations | 15 h-index | 29 g-index |
| 62 ext. papers | 1,065 ext. citations | 3.8 avg, IF | 4.64 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 55 | Endothelin A receptor blockade reduces diabetic renal injury via an anti-inflammatory mechanism. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 143-54 | 12.7 | 158 |
| 54 | Renal endothelin in chronic angiotensin II hypertension. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2002**, 283, R243-8 | 3.2 | 86 |
| 53 | The Dahl salt-sensitive rat is a spontaneous model of superimposed preeclampsia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R62-70 | 3.2 | 54 |
| 52 | Relaxin ameliorates hypertension and increases nitric oxide metabolite excretion in angiotensin II but not N(ω)-nitro-L-arginine methyl ester hypertensive rats. *Hypertension*, **2011**, 58, 197-204 | 8.5 | 54 |
| 51 | Sildenafil Treatment Ameliorates the Maternal Syndrome of Preeclampsia and Rescues Fetal Growth in the Dahl Salt-Sensitive Rat. *Hypertension*, **2016**, 67, 647-53 | 8.5 | 50 |
| 50 | Serelaxin reduces oxidative stress and asymmetric dimethylarginine in angiotensin II-induced hypertension. *American Journal of Physiology - Renal Physiology*, **2014**, 307, F1355-62 | 4.3 | 45 |
| 49 | Asymmetric dimethylarginine in angiotensin II-induced hypertension. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R740-6 | 3.2 | 45 |
| 48 | The enigma of continual plasma volume expansion in pregnancy: critical role of the renin-angiotensin-aldosterone system. *American Journal of Physiology - Renal Physiology*, **2016**, 311, F1125-F1134 | 4.3 | 42 |
| 47 | Preeclampsia beyond pregnancy: long-term consequences for mother and child. *American Journal of Physiology - Renal Physiology*, **2020**, 318, F1315-F1326 | 4.3 | 36 |
| 46 | Reduced NOS3 phosphorylation mediates reduced NO/cGMP signaling in mesenteric arteries of deoxycorticosterone acetate-salt hypertensive rats. *Hypertension*, **2004**, 43, 1080-5 | 8.5 | 27 |
| 45 | Effects of sildenafil on maternal hemodynamics and fetal growth in normal rat pregnancy. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R433-8 | 3.2 | 23 |
| 44 | The emerging role of relaxin as a novel therapeutic pathway in the treatment of chronic kidney disease. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 305, R559-65 | 3.2 | 19 |
| 43 | Protective actions of nebivolol on chronic nitric oxide synthase inhibition-induced hypertension and chronic kidney disease in the rat: a comparison with angiotensin II receptor blockade. *Nephrology Dialysis Transplantation*, **2012**, 27, 913-20 | 4.3 | 15 |
| 42 | Spontaneous one-kidney rats are more susceptible to develop hypertension by DOCA-NaCl and subsequent kidney injury compared with uninephrectomized rats. *American Journal of Physiology - Renal Physiology*, **2016**, 310, F1054-64 | 4.3 | 14 |
| 41 | Superimposed Preeclampsia Exacerbates Postpartum Renal Injury Despite Lack of Long-Term Blood Pressure Difference in the Dahl Salt-Sensitive Rat. *Hypertension*, **2019**, 73, 650-658 | 8.5 | 14 |
| 40 | Increased renal phosphodiesterase-5 activity mediates the blunted natriuretic response to a nitric oxide donor in the pregnant rat. *American Journal of Physiology - Renal Physiology*, **2010**, 299, F810-4 | 4.3 | 13 |
| 39 | Blood pressure, sex, and female sex hormones influence renal inner medullary nitric oxide synthase activity and expression in spontaneously hypertensive rats. *Journal of the American Heart Association*, **2015**, 4, | 6 | 12 |

| | | | |
|---|---|---|---|
| 38 | Protection against age-dependent renal injury in the F344xBrown Norway male rat is associated with maintained nitric oxide synthase. *Mechanisms of Ageing and Development*, **2011**, 132, 1-7 | 5.6 | 12 |
| 37 | Nebivolol does not protect against 5/6 ablation/infarction induced chronic kidney disease in rats - comparison with angiotensin II receptor blockade. *Life Sciences*, **2012**, 91, 54-63 | 6.8 | 11 |
| 36 | The natriuretic and diuretic response to dopamine is maintained during rat pregnancy. *American Journal of Physiology - Renal Physiology*, **2008**, 294, F1342-4 | 4.3 | 10 |
| 35 | The glucagon-like peptide 1 receptor agonist liraglutide attenuates placental ischemia-induced hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H72-H77 | 5.2 | 10 |
| 34 | 1,3-Butanediol attenuates hypertension and suppresses kidney injury in female rats. *American Journal of Physiology - Renal Physiology*, **2020**, 319, F106-F114 | 4.3 | 9 |
| 33 | Sexual dimorphism in development of kidney damage in aging Fischer-344 rats. *Gender Medicine*, **2012**, 9, 219-31 | | 9 |
| 32 | Endothelin, sex, and pregnancy: unique considerations for blood pressure control in females. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R691-6 | 3.2 | 8 |
| 31 | Specific Lowering of Asymmetric Dimethylarginine by Pharmacological Dimethylarginine Dimethylaminohydrolase Improves Endothelial Function, Reduces Blood Pressure and Ischemia-Reperfusion Injury. *Journal of Pharmacology and Experimental Therapeutics*, **2021**, 376, 181-189 | 4.7 | 8 |
| 30 | Expansion of regulatory T cells using low-dose interleukin-2 attenuates hypertension in an experimental model of systemic lupus erythematosus. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F1274-F1284 | 4.3 | 7 |
| 29 | Sodium Thiosulfate in the Pregnant Dahl Salt-Sensitive Rat, a Model of Preeclampsia. *Biomolecules*, **2020**, 10, | 5.9 | 7 |
| 28 | Prenatal Sildenafil Therapy Improves Cardiovascular Function in Fetal Growth Restricted Offspring of Dahl Salt-Sensitive Rats. *Hypertension*, **2019**, 73, 1120-1127 | 8.5 | 6 |
| 27 | Vascular smooth muscle-specific deletion of the leptin receptor attenuates leptin-induced alterations in vascular relaxation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R960-7 | 3.2 | 6 |
| 26 | Loss of in the Dahl Salt-Sensitive Rat Protects Against Hypertension-Induced Renal Injury. *Hypertension*, **2020**, 75, 1012-1024 | 8.5 | 5 |
| 25 | New targets for renal interstitial fibrosis: relaxin family peptide receptor 1-angiotensin type 2 receptor heterodimers. *Kidney International*, **2014**, 86, 9-10 | 9.9 | 5 |
| 24 | Spontaneous superimposed preeclampsia: chronology and expression unveiled by temporal transcriptomic analysis. *Physiological Genomics*, **2019**, 51, 342-355 | 3.6 | 3 |
| 23 | Nitric oxide and oxidative stress pathways do not contribute to sex differences in renal injury and function in Dahl SS/Jr rats. *Physiological Reports*, **2020**, 8, e14440 | 2.6 | 3 |
| 22 | Temporal hemodynamic changes in a female mouse model of systemic lupus erythematosus. *American Journal of Physiology - Renal Physiology*, **2020**, 318, F1074-F1085 | 4.3 | 2 |
| 21 | Sildenafil Citrate Does Not Reprogram Risk of Hypertension and Chronic Kidney Disease in Offspring of Preeclamptic Pregnancies in the Dahl SS/Jr Rat.. *Kidney360*, **2020**, 1, 510-520 | 1.8 | 2 |

| | | | |
|---|---|---|---|
| 20 | Blood pressure and albuminuria in a female mouse model of systemic lupus erythematosus: impact of long-term high salt consumption. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2020**, 319, R448-R454 | 3.2 | 2 |
| 19 | Gestational gut microbial remodeling is impaired in a rat model of preeclampsia superimposed on chronic hypertension. *Physiological Genomics*, **2021**, 53, 125-136 | 3.6 | 2 |
| 18 | Endothelial cell disruption drives increased blood-brain barrier permeability and cerebral edema in the Dahl SS/jr rat model of superimposed preeclampsia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H535-H548 | 5.2 | 2 |
| 17 | Human recombinant relaxin-2 does not attenuate hypertension or renal injury but exacerbates vascular dysfunction in a female mouse model of SLE. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 317, H234-H242 | 5.2 | 1 |
| 16 | Curcumin Does Not Attenuate the Preeclamptic Phenotype in the Dahl Salt-Sensitive Rat. *FASEB Journal*, **2019**, 33, 574.8 | 0.9 | 0 |
| 15 | Immunological comparison of pregnant Dahl salt-sensitive and Sprague-Dawley rats commonly used to model characteristics of preeclampsia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 321, R125-R138 | 3.2 | 0 |
| 14 | Blood Brain Barrier Permeability and Brain Capillary Endothelial Cell Tight Junctions in the Dahl S Model of Spontaneous Superimposed Preeclampsia. *FASEB Journal*, **2020**, 34, 1-1 | 0.9 | |
| 13 | Vascular Permeability is increased in Cerebral Arteries from the Dahl S Model of Superimposed Preeclampsia. *FASEB Journal*, **2018**, 32, 911.8 | 0.9 | |
| 12 | ELP-VEGF Treatment Improves the Maternal Syndrome of Preeclampsia in the Dahl Salt Sensitive (S) Rat. *FASEB Journal*, **2018**, 32, 911.7 | 0.9 | |
| 11 | Recombinant Human Relaxin-2 Treatment in an Experimental Female Mouse Model of Autoimmune Disease with Hypertension. *FASEB Journal*, **2019**, 33, 574.2 | 0.9 | |
| 10 | Cerebral Blood Flow Autoregulation in Hypertensive Models of Pregnancy. *FASEB Journal*, **2019**, 33, 865.1 | 0.9 | |
| 9 | Exploring the Link between Superimposed Preeclampsia and the Gut Microbiome. *FASEB Journal*, **2019**, 33, lb526 | 0.9 | |
| 8 | Postpartum Changes in Microglia Density and Activation in a Rat Model of Superimposed Preeclampsia. *FASEB Journal*, **2019**, 33, 557.2 | 0.9 | |
| 7 | Sildenafil Treatment Improves the Maternal Syndrome in the Preeclamptic Dahl Salt Sensitive (S) Rat. *FASEB Journal*, **2015**, 29, 810.7 | 0.9 | |
| 6 | Serelaxin Improves Blood Pressure and Uterine Artery Resistance in the Reduced Uterine Perfusion Pressure (RUPP) Rat Model of Preeclampsia. *FASEB Journal*, **2015**, 29, 810.8 | 0.9 | |
| 5 | Chronic nifedipine mimics plasma volume expansion (PVE) seen in pregnancy: support for the underfill theory. *FASEB Journal*, **2009**, 23, 969.6 | 0.9 | |
| 4 | Asymmetric Dimethylarginine (ADMA) Regulation in Puromycin Aminonucleoside (PAN) Induced Chronic Kidney Disease (CKD). *FASEB Journal*, **2010**, 24, 812.27 | 0.9 | |
| 3 | Relaxin (RLX) lowers plasma levels of asymmetric dimethylarginine (ADMA) during chronic angiotensin II (ANGII) infusion. *FASEB Journal*, **2012**, 26, 875.6 | 0.9 | |

# List of Publications

| | | |
|---|---|---|
| 2 | Using the T2DN rat as a model to determine therapeutic efficacy of Serelaxin (recombinant human relaxin-2) for Diabetic Nephropathy. *FASEB Journal*, **2013**, 27, lb889 | 0.9 |
| 1 | Chronic vasodilation increases collecting duct (CD) PDE5A and ENaC through independent renin-angiotensin-aldosterone system (RAAS) pathways. *FASEB Journal*, **2013**, 27, 907.8 | 0.9 |