Sandra T Davidge

List of Publications by Year
in descending order

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252	10,564	22153	46799
papers	citations	59 h-index	89 g-index

282	282	282	10293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vascular Matrix Metalloproteinase-2 Cleaves Big Endothelin-1 Yielding a Novel Vasoconstrictor. Circulation Research, 1999, 85, 906-911.	4.5	334
2	Evidence for Peroxynitrite Formation in the Vasculature of Women With Preeclampsia. Hypertension, 1999, 33, 83-89.	2.7	221
3	Prostaglandin H Synthase and Vascular Function. Circulation Research, 2001, 89, 650-660.	4.5	209
4	Nitric Oxide Produced by Endothelial Cells Increases Production of Eicosanoids Through Activation of Prostaglandin H Synthase. Circulation Research, 1995, 77, 274-283.	4.5	202
5	The interaction between endothelin-1 and nitric oxide in the vasculature: new perspectives. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1288-R1295.	1.8	169
6	Peroxynitrite increases iNOS through NF-Î¹B and decreases prostacyclin synthase in endothelial cells. American Journal of Physiology - Cell Physiology, 2002, 282, C395-C402.	4.6	167
7	Resveratrol prevents hypertension and cardiac hypertrophy in hypertensive rats and mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1723-1733.	3.8	167
8	Hypoxia or nutrient restriction during pregnancy in rats leads to progressive cardiac remodeling and impairs postischemic recovery in adult male offspring. FASEB Journal, 2006, 20, 1251-1253.	0.5	163
9	Molecular mechanisms of maternal vascular dysfunction in preeclampsia. Trends in Molecular Medicine, 2015, 21, 88-97.	6.7	156
10	Urine but not plasma nitric oxide metabolites are decreased in women with preeclampsia. American Journal of Obstetrics and Gynecology, 1996, 174, 1008-1013.	1.3	153
11	Vascular Matrix Metalloproteinase-2â€“Dependent Cleavage of Calcitonin Gene-Related Peptide Promotes Vasoconstriction. Circulation Research, 2000, 87, 670-676.	4.5	153
12	Effects of hypoxia-induced intrauterine growth restriction on cardiopulmonary structure and function during adulthood. Cardiovascular Research, 2009, 81, 713-722.	3.8	147
13	Developmental programming of cardiovascular disease by prenatal hypoxia. Journal of Developmental Origins of Health and Disease, 2013, 4, 328-337.	1.4	147
14	Structure and Activity Study of Egg Protein Ovotransferrin Derived Peptides (IRW and IQW) on Endothelial Inflammatory Response and Oxidative Stress. Journal of Agricultural and Food Chemistry, 2013, 61, 2120-2129.	5.2	139
15	Bioactive Natural Constituents from Food Sourcesâ€”Potential Use in Hypertension Prevention and Treatment. Critical Reviews in Food Science and Nutrition, 2013, 53, 615-630.	10.3	127
16	Vascular Dysfunction in Preeclampsia. Microcirculation, 2014, 21, 4-14.	1.8	126
17	Egg-Derived Tri-Peptide IRW Exerts Antihypertensive Effects in Spontaneously Hypertensive Rats. PLoS ONE, 2013, 8, e82829.	2.5	123
18	Matrix metalloproteinases regulate neutrophilâ€endothelial cell adhesion through generation of endothelinâ€1 [1â€“32]. FASEB Journal, 2001, 15, 2230-2240.	0.5	120

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19	Preeclampsia: current understanding of the molecular basis of vascular dysfunction. Expert Reviews in Molecular Medicine, 2006, 8, 1-20.	3.9	120
20	Angiotensin II-induced MMP-2 release from endothelial cells is mediated by TNF-Î±. American Journal of Physiology - Cell Physiology, 2004, 286, C779-C784.	4.6	117
21	Hypoxia-Induced Intrauterine Growth Restriction Increases the Susceptibility of Rats to High-Fat Dietâ€“Induced Metabolic Syndrome. Diabetes, 2011, 60, 507-516.	0.6	115
22	Mechanisms of Estrogen Effects on the Endothelium: An Overview. Canadian Journal of Cardiology, 2014, 30, 705-712.	1.7	112
23	Effects of maternal hypoxia or nutrient restriction during pregnancy on endothelial function in adult male rat offspring. Journal of Physiology, 2005, 565, 125-135.	2.9	111
24	Sildenafil Citrate Rescues Fetal Growth in the Catechol- O -Methyl Transferase Knockout Mouse Model. Hypertension, 2012, 59, 1021-1028.	2.7	111
25	Calorie Restriction Prevents Hypertension and Cardiac Hypertrophy in the Spontaneously Hypertensive Rat. Hypertension, 2010, 56, 412-421.	2.7	109
26	Plasma From Women With Preeclampsia Increases Endothelial Cell Nitric Oxide Production. Hypertension, 1995, 26, 244-248.	2.7	104
27	Estrogen Reduces Angiotensin IIâ€“Induced Nitric Oxide Synthase and NAD(P)H Oxidase Expression in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 38-44.	2.4	103
28	Estrogen modulation of left ventricular remodeling in the aged heart. Cardiovascular Research, 2003, 57, 388-394.	3.8	100
29	Tumor necrosis factor induces matrix metalloproteinases in cardiomyocytes and cardiofibroblasts differentially via superoxide production in a PI3KÎ³-dependent manner. American Journal of Physiology - Cell Physiology, 2010, 298, C679-C692.	4.6	98
30	Egg-Derived Peptide IRW Inhibits TNF-Î±-Induced Inflammatory Response and Oxidative Stress in Endothelial Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 10840-10846.	5.2	95
31	Long-term effects of intrauterine growth restriction on cardiac metabolism and susceptibility to ischaemia/reperfusion. Cardiovascular Research, 2011, 90, 285-294.	3.8	94
32	Arginase contributes to endothelial cell oxidative stress in response to plasma from women with preeclampsia. Cardiovascular Research, 2010, 85, 194-203.	3.8	93
33	MMP-2 Levels are Elevated in the Plasma of Women Who Subsequently Develop Preeclampsia. Hypertension in Pregnancy, 2005, 24, 103-115.	1.1	92
34	G-Protein Coupled Receptor 30 (GPR30): A Novel Regulator of Endothelial Inflammation. PLoS ONE, 2012, 7, e52357.	2.5	91
35	Chronic Tumor Necrosis Factor-Î± Inhibition Enhances NO Modulation of Vascular Function in Estrogen-Deficient Rats. Hypertension, 2005, 46, 76-81.	2.7	88
36	Reduction in Regulatory T Cells in Early Pregnancy Causes Uterine Artery Dysfunction in Mice. Hypertension, 2018, 72, 177-187.	2.7	88

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37	Estrogen is a modulator of vascular inflammation. IUBMB Life, 2008, 60, 376-382.	3.4	87
38	MATRIX METALLOPROTEINASE-2 IS ELEVATED IN THE PLASMA OF WOMEN WITH PREECLAMPSIA. Hypertension in Pregnancy, 2001, 20, 185-194.	1.1	86
39	Differential effects of maternal hypoxia or nutrient restriction on carotid and femoral vascular function in neonatal rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R360-R367.	1.8	83
40	Egg-derived ACE-inhibitory peptides IQW and LKP reduce blood pressure in spontaneously hypertensive rats. Journal of Functional Foods, 2015, 13, 50-60.	3.4	83
41	Angiotensin-Converting Enzyme 2 Is a Critical Determinant of Angiotensin Iâ€“Induced Loss of Vascular Smooth Muscle Cells and Adverse Vascular Remodeling. Hypertension, 2014, 64, 157-164.	2.7	81
42	In Utero Origins of Hypertension: Mechanisms and Targets for Therapy. Physiological Reviews, 2016, 96, 549-603.	28.8	78
43	Endogenous modulation of the blunted adrenergic response in resistance-sized mesenteric arteries from the pregnant rat. American Journal of Obstetrics and Gynecology, 1992, 167, 1691-1698.	1.3	77
44	TRAIL-Induced Apoptosis in Human Vascular Endothelium Is Regulated by Phosphatidylinositol 3-Kinase/Akt through the Short Form of Cellular FLIP and Bcl-2. Journal of Vascular Research, 2005, 42, 337-347.	1.4	76
45	Treating the placenta to prevent adverse effects of gestational hypoxia on fetal brain development. Scientific Reports, 2017, 7, 9079.	3.3	76
46	Increased Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 Expression in the Maternal Vasculature of Women With Preeclampsia. Hypertension, 2009, 53, 270-277.	2.7	75
47	ACE2 Deficiency Enhances Angiotensin II-Mediated Aortic Profilin-1 Expression, Inflammation and Peroxynitrite Production. PLoS ONE, 2012, 7, e38502.	2.5	73
48	Effect of high dose folic acid supplementation in pregnancy on pre-eclampsia (FACT): double blind, phase III, randomised controlled, international, multicentre trial. BMJ: British Medical Journal, 2018, 362, k3478.	2.3	69
49	Effects of Resveratrol in Pregnancy Using Murine Models with Reduced Blood Supply to the Uterus. PLoS ONE, 2013, 8, e64401.	2.5	68
50	Estrogen Replacement Suppresses a Prostaglandin H Synthaseâ€“Dependent Vasoconstrictor in Rat Mesenteric Arteries. Circulation Research, 1998, 83, 388-395.	4.5	67
51	Continued Postnatal Administration of Resveratrol Prevents Diet-Induced Metabolic Syndrome in Rat Offspring Born Growth Restricted. Diabetes, 2011, 60, 2274-2284.	0.6	67
52	Death Receptor Fas/Apo-1/CD95 Expressed by Human Placental Cytotrophoblasts Does Not Mediate Apoptosis1. Biology of Reproduction, 1999, 60, 1144-1150.	2.7	66
53	Pregnancy-Induced Alterations of Vascular Function in Mouse Mesenteric and Uterine Arteries1. Biology of Reproduction, 2003, 68, 1072-1077.	2.7	66
54	Plasma of Preeclamptic Women Stimulates and Then Inhibits Endothelial Prostacyclin. Hypertension, 1996, 27, 56-61.	2.7	66

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55	Egg ovotransferrinâ€derived ACE inhibitory peptide IRW increases ACE2 but decreases proinflammatory genes expression in mesenteric artery of spontaneously hypertensive rats. Molecular Nutrition and Food Research, 2015, 59, 1735-1744.	3.3	65
56	Inhibition of Trophoblast-Induced Spiral Artery Remodeling Reduces Placental Perfusion in Rat Pregnancy. Hypertension, 2010, 56, 304-310.	2.7	64
57	Maternal resveratrol treatment during pregnancy improves adverse fetal outcomes in a rat model of severe hypoxia. Placenta, 2012, 33, 449-452.	1.5	64
58	Prenatal Hypoxia Causes Long-Term Alterations in Vascular Endothelin-1 Function in Aged Male, but Not Female, Offspring. Hypertension, 2013, 62, 753-758.	2.7	64
59	Estrogen improves cardiac recovery after ischemia/reperfusion by decreasing tumor necrosis factor-Î±. Cardiovascular Research, 2006, 69, 836-844.	3.8	61
60	Egg Whiteâ€“Derived Antihypertensive Peptide IRW (Ileâ€Argâ€Trp) Reduces Blood Pressure in Spontaneously Hypertensive Rats via the ACE2/Ang (1â€7)/Mas Receptor Axis. Molecular Nutrition and Food Research, 2019, 63, e1900063.	3.3	60
61	Epigallocatechin-3-O-gallate inhibits TNFÎ±-induced monocyte chemotactic protein-1 production from vascular endothelial cells. Life Sciences, 2008, 82, 964-968.	4.3	59
62	Flow-mediated vasodilation is impaired in adult rat offspring exposed to prenatal hypoxia. Journal of Applied Physiology, 2011, 110, 1073-1082.	2.5	58
63	TIMP3 is the primary TIMP to regulate agonist-induced vascular remodelling and hypertension. Cardiovascular Research, 2013, 98, 360-371.	3.8	58
64	A Comparison of WalkingversusStretching Exercises to Reduce the Incidence of Preeclampsia: A Randomized Clinical Trial. Hypertension in Pregnancy, 2008, 27, 113-130.	1.1	57
65	Vascular adaptations to pregnancy in mice: effects on myogenic tone. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2226-H2233.	3.2	56
66	Egg white protein hydrolysate reduces blood pressure, improves vascular relaxation and modifies aortic angiotensin II receptors expression in spontaneously hypertensive rats. Journal of Functional Foods, 2016, 27, 667-673.	3.4	56
67	Perinatal Resveratrol Supplementation to Spontaneously Hypertensive Rat Dams Mitigates the Development of Hypertension in Adult Offspring. Hypertension, 2016, 67, 1038-1044.	2.7	53
68	Aging Increases PGHS-2â€“Dependent Vasoconstriction in Rat Mesenteric Arteries. Hypertension, 2000, 35, 1242-1247.	2.7	52
69	The Receptor for Advanced Glycation End Products (RAGE) Is Elevated in Women with Preeclampsia. Hypertension in Pregnancy, 2003, 22, 173-184.	1.1	52
70	Matrix Metalloproteinase Enhances Big-Endothelin-1 Constriction in Mesenteric Vessels of Pregnant Rats With Reduced Uterine Blood Flow. Hypertension, 2013, 61, 488-493.	2.7	52
71	In Vitro Differentiation of Villous Trophoblasts from Pregnancies Complicated by Intrauterine Growth Restriction With and Without Pre-Eclampsia. Placenta, 2007, 28, 999-1003.	1.5	50
72	Prenatal hypoxia and placental oxidative stress: linkages to developmental origins of cardiovascular disease. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 313, R395-R399.	1.8	50

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73	The role of matrix metalloproteinases in vascular function: implications for normal pregnancy and pre-eclampsia. BJOG: an International Journal of Obstetrics and Gynaecology, 2004, 111, 931-939.	2.3	49
74	Estrogen Replacement Reduces Age-Associated Remodeling in Rat Mesenteric Arteries. Hypertension, 2000, 36, 970-974.	2.7	48
75	Age-associated impairment in vasorelaxation to fluid shear stress in the female vasculature is improved by TNF-Î± antagonism. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1259-H1263.	3.2	48
76	Regulation of Vascular Tone During Pregnancy. Hypertension, 2007, 49, 328-333.	2.7	48
77	Advanced maternal age and the impact on maternal and offspring cardiovascular health. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H387-H394.	3.2	48
78	Endothelial-dependent vasodilation is reduced in mesenteric arteries from superoxide dismutase knockout mice. Cardiovascular Research, 2003, 60, 635-642.	3.8	47
79	Modulatory Effects of Egg White Ovotransferrin-Derived Tripeptide IRW (Ile-Arg-Trp) on Vascular Smooth Muscle Cells against Angiotensin II Stimulation. Journal of Agricultural and Food Chemistry, 2016, 64, 7342-7347.	5.2	47
80	Cardioprotection by chronic estrogen or superoxide dismutase mimetic treatment in the aged female rat. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H165-H171.	3.2	46
81	Sphingosine 1-phosphate-induced vasoconstriction is elevated in mesenteric resistance arteries from aged female rats. British Journal of Pharmacology, 2004, 143, 276-284.	5.4	46
82	17Â-Estradiol induces protein S-nitrosylation in the endothelium. Cardiovascular Research, 2010, 85, 796-805.	3.8	46
83	TGFÎ² and EGF synergistically induce a more invasive phenotype of epithelial ovarian cancer cells. Biochemical and Biophysical Research Communications, 2010, 401, 376-381.	2.1	46
84	Effect of Advanced Maternal Age on Pregnancy Outcomes and Vascular Function in the Rat. Hypertension, 2015, 65, 1324-1330.	2.7	46
85	Effect of resveratrol on metabolic and cardiovascular function in male and female adult offspring exposed to prenatal hypoxia and a highâ€fat diet. Journal of Physiology, 2016, 594, 1465-1482.	2.9	46
86	Maternal treatment with a placental-targeted antioxidant (MitoQ) impacts offspring cardiovascular function in a rat model of prenatal hypoxia. Pharmacological Research, 2018, 134, 332-342.	7.1	46
87	Effect of the Anti-Oxidant Tempol on Fetal Growth in a Mouse Model of Fetal Growth Restriction1. Biology of Reproduction, 2012, 87, 25, 1-8.	2.7	45
88	The Early Origins of Cardiovascular Health and Disease: Who, When, and How. Seminars in Reproductive Medicine, 2011, 29, 197-210.	1.1	44
89	Effect of Prenatal Hypoxia in Transgenic Mouse Models of Preeclampsia and Fetal Growth Restriction. Reproductive Sciences, 2014, 21, 492-502.	2.5	44
90	Antioxidant Peptides Identified from Ovotransferrin by the ORAC Method Did Not Show Anti-Inflammatory and Antioxidant Activities in Endothelial Cells. Journal of Agricultural and Food Chemistry, 2016, 64, 113-119.	5.2	44

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91	Neuronal nitric oxide synthase regulates endothelial inflammation. Journal of Leukocyte Biology, 2012, 91, 947-956.	3.3	43
92	A comparison of ovariectomy models for estrogen studies. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 280, R904-R907.	1.8	41
93	Sphingosine-1-phosphate inhibition of placental trophoblast differentiation through a Gi-coupled receptor response. Journal of Lipid Research, 2005, 46, 1833-1839.	4.2	41
94	Effect of Adrenomedullin on Placental Arteries in Normal and Preeclamptic Pregnancies. Hypertension, 2001, 37, 227-231.	2.7	40
95	Role of Neuronal Nitric-Oxide Synthase in Estrogen-Induced Relaxation in Rat Resistance Arteries. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 367-375.	2.5	40
96	Plasma from preeclamptic women increases human endotheial cell prostacyclin production without changes in cellular enzyme activity or mass. American Journal of Obstetrics and Gynecology, 1995, 172, 976-985.	1.3	39
97	Metabolites of progesterone and the pregnane X receptor: A novel pathway regulating uterine contractility in pregnancy?. American Journal of Obstetrics and Gynecology, 2005, 192, 1304-1313.	1.3	39
98	High glucose-induced oxidative stress alters estrogen effects on ERÎ± and ERÎ² in human endothelial cells: Reversal by AMPK activator. Journal of Steroid Biochemistry and Molecular Biology, 2009, 117, 99-106.	2.5	39
99	Sex-Specific Effects of Nanoparticle-Encapsulated MitoQ (nMitoQ) Delivery to the Placenta in a Rat Model of Fetal Hypoxia. Frontiers in Physiology, 2019, 10, 562.	2.8	39
100	Synergistic effects of prenatal hypoxia and postnatal high-fat diet in the development of cardiovascular pathology in young rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R418-R426.	1.8	38
101	Sphingosine-1-Phosphate Acts via Rho-Associated Kinase and Nitric Oxide to Regulate Human Placental Vascular Tone1. Biology of Reproduction, 2006, 74, 88-94.	2.7	37
102	Tumor Necrosis Factor-Î± and Vascular Angiotensin II in Estrogen-Deficient Rats. Hypertension, 2006, 48, 497-503.	2.7	37
103	Vascular Function in the Vitamin Eâ€“Deprived Rat. Hypertension, 1998, 31, 830-835.	2.7	36
104	The effects of propofol on vascular function in mesenteric arteries of the aging rat. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H466-H474.	3.2	36
105	The Effects of Preeclampsia and Oxygen Environment on Endothelial Release of Matrix Metalloproteinaseâ€2. Hypertension in Pregnancy, 2004, 23, 47-60.	1.1	35
106	Gender differences in myogenic tone in superoxide dismutase knockout mouse: animal model of oxidative stress. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H40-H45.	3.2	35
107	Egg White-Derived Tripeptide IRW (Ile-Arg-Trp) Is an Activator of Angiotensin Converting Enzyme 2. Journal of Agricultural and Food Chemistry, 2018, 66, 11330-11336.	5.2	35
108	Role of matrix metalloproteinase-2 in thrombin-induced vasorelaxation of rat mesenteric arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1473-H1479.	3.2	34

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109	Blunted sympathetic neurovascular transduction during normotensive pregnancy. Journal of Physiology, 2019, 597, 3687-3696.	2.9	33
110	Mechanisms of Endothelial Dysfunction in Resistance Arteries from Patients with End-Stage Renal Disease. PLoS ONE, 2012, 7, e36056.	2.5	33
111	Beneficial Effects of Simulated Gastro-Intestinal Digests of Fried Egg and Its Fractions on Blood Pressure, Plasma Lipids and Oxidative Stress in Spontaneously Hypertensive Rats. PLoS ONE, 2014, 9, e115006.	2.5	33
112	Effect of Gestational Diabetes on Maternal Artery Function. Reproductive Sciences, 2011, 18, 342-352.	2.5	32
113	Lectin-Like Oxidized Low-Density Lipoprotein 1 Receptor in a Reduced Uteroplacental Perfusion Pressure Rat Model of Preeclampsia. Hypertension, 2012, 59, 1014-1020.	2.7	32
114	Loss of smooth muscle cell disintegrin and metalloproteinase 17 transiently suppresses angiotensin II-induced hypertension and end-organ damage. Journal of Molecular and Cellular Cardiology, 2017, 103, 11-21.	1.9	32
115	Egg white hydrolysate shows insulin mimetic and sensitizing effects in 3T3-F442A pre-adipocytes. PLoS ONE, 2017, 12, e0185653.	2.5	32
116	Milk-derived tripeptides IPP (Ile-Pro-Pro) and VPP (Val-Pro-Pro) differentially modulate angiotensin II effects on vascular smooth muscle cells. Journal of Functional Foods, 2017, 30, 151-158.	3.4	31
117	Evidence for Increased Methylglyoxal in the Vasculature of Women With Preeclampsia. Hypertension, 2009, 54, 897-904.	2.7	29
118	Endothelial Colony-Forming Cells Derived From Pregnancies Complicated by Intrauterine Growth Restriction Are Fewer and Have Reduced Vasculogenic Capacity. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4953-4960.	3.6	29
119	Characterisation of the Selective Reduced Uteroplacental Perfusion (sRUPP) Model of Preeclampsia. Scientific Reports, 2019, 9, 9565.	3.3	29
120	Advanced maternal age compromises fetal growth and induces sex-specific changes in placental phenotype in rats. Scientific Reports, 2019, 9, 16916.	3.3	29
121	Vascular wall dysfunction in JCR:LA-cp rats: effects of age and insulin resistance. American Journal of Physiology - Cell Physiology, 1999, 277, C987-C993.	4.6	28
122	Postpartum Vascular Dysfunction in the Reduced Uteroplacental Perfusion Model of Preeclampsia. PLoS ONE, 2016, 11, e0162487.	2.5	28
123	Effect of Exercise on Vascular Superoxide Dismutase Expression in High-Risk Pregnancy. American Journal of Perinatology, 2011, 28, 803-810.	1.4	27
124	Endothelin in the female vasculature: a role in aging?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R509-R516.	1.8	26
125	Coiled-coil domain containing 3 (CCDC3) represses tumor necrosis factor-Î±/nuclear factor ÎºB-induced endothelial inflammation. Cellular Signalling, 2014, 26, 2793-2800.	3.6	26
126	Sildenafil Therapy Normalizes the Aberrant Metabolomic Profile in the Comtâ^'/â^' Mouse Model of Preeclampsia/Fetal Growth Restriction. Scientific Reports, 2015, 5, 18241.	3.3	26

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127	Myogenic reactivity is enhanced in rat radial uterine arteries in a model of maternal undernutrition. American Journal of Obstetrics and Gynecology, 2004, 191, 334-339.	1.3	25
128	Uterine Vasculature Remodeling in Human Pregnancy Involves Functional Macrochimerism by Endothelial Colony Forming Cells of Fetal Origin. Stem Cells, 2013, 31, 1363-1370.	3.2	25
129	Mechanism of vascular dysfunction due to circulating factors in women with pre-eclampsia. Clinical Science, 2016, 130, 539-549.	4.3	25
130	Possible Beneficial Effect of Exercise, by Reducing Oxidative Stress, on the Incidence of Preeclampsia. Journal of Women's Health and Gender-Based Medicine, 2001, 10, 983-989.	1.5	24
131	Estrogen replacement increases matrix metalloproteinase contribution to vasoconstriction in a rat model of menopause. Journal of Hypertension, 2009, 27, 1602-1608.	0.5	24
132	Inhibition of Lectin-Like Oxidized Low-Density Lipoprotein-1 Receptor Protects Against Plasma-Mediated Vascular Dysfunction Associated With Pre-Eclampsia. American Journal of Hypertension, 2013, 26, 279-286.	2.0	24
133	Foetal growth restriction in mice modifies postnatal airway responsiveness in an age and sex-dependent manner. Clinical Science, 2018, 132, 273-284.	4.3	24
134	Milk-Derived Tripeptides IPP (Ile-Pro-Pro) and VPP (Val-Pro-Pro) Enhance Insulin Sensitivity and Prevent Insulin Resistance in 3T3-F442A Preadipocytes. Journal of Agricultural and Food Chemistry, 2018, 66, 10179-10187.	5.2	24
135	Placenta-targeted treatment strategies: An opportunity to impact fetal development and improve offspring health later in life. Pharmacological Research, 2020, 157, 104836.	7.1	24
136	Effects of hypoxia-induced intrauterine growth restriction on cardiac siderosis and oxidative stress. Journal of Developmental Origins of Health and Disease, 2012, 3, 350-357.	1.4	23
137	Maternal vascular responses to hypoxia in a rat model of intrauterine growth restriction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1068-R1075.	1.8	23
138	The Effects of Myo-Inositol and B and D Vitamin Supplementation in the db/+ Mouse Model of Gestational Diabetes Mellitus. Nutrients, 2017, 9, 141.	4.1	23
139	PREECLAMPSIA AND CEREBRAL PALSY IN LOW-BIRTH-WEIGHT AND PRETERM INFANTS: IMPLICATIONS FOR THE CURRENT ?ISCHEMIC MODEL? OF PREECLAMPSIA1*. Hypertension in Pregnancy, 2001, 20, 1-13.	1.1	23
140	Increased Myogenic Responses in Uterine but not Mesenteric Arteries from Pregnant Offspring of Diet-Restricted Rat Dams1. Biology of Reproduction, 2005, 72, 997-1003.	2.7	22
141	Arterial Endothelium-derived Hyperpolarization. Journal of Cardiovascular Pharmacology, 2013, 61, 197-203.	1.9	21
142	Postnatal resveratrol supplementation improves cardiovascular function in male and female intrauterine growth restricted offspring. Physiological Reports, 2017, 5, e13109.	1.7	20
143	Increased susceptibility to cardiovascular disease in offspring born from dams of advanced maternal age. Journal of Physiology, 2018, 596, 5807-5821.	2.9	20
144	Egg white hydrolysate enhances insulin sensitivity in high-fat diet-induced insulin-resistant rats via Akt activation. British Journal of Nutrition, 2019, 122, 14-24.	2.3	20

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145	The Vascular Effects of Sodium Tanshinone IIA Sulphonate in Rodent and Human Pregnancy. PLoS ONE, 2015, 10, e0121897.	2.5	19
146	Muscle sympathetic nerve activity and volume-regulating factors in healthy pregnant and nonpregnant women. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H782-H787.	3.2	19
147	Mechanisms of Uterine Artery Dysfunction in Pregnancy Complications. Journal of Cardiovascular Pharmacology, 2017, 69, 343-359.	1.9	19
148	Enhanced Trimethylation of Histone H3 Mediates Impaired Expression of Hepatic Glucose 6-Phosphatase Expression in Offspring From Rat Dams Exposed to Hypoxia During Pregnancy. Reproductive Sciences, 2014, 21, 112-121.	2.5	18
149	Ovariectomy in aged versus young rats augments matrix metalloproteinase-mediated vasoconstriction in mesenteric arteries. Menopause, 2010, 17, 516-523.	2.0	18
150	Pregnancy and lipid peroxide-induced alterations of eicosanoid-metabolizing enzymes in the aorta of the rat. American Journal of Obstetrics and Gynecology, 1993, 169, 1338-1344.	1.3	17
151	Vascular effects of aerobic exercise training in rat adult offspring exposed to hypoxiaâ€induced intrauterine growth restriction. Journal of Physiology, 2015, 593, 1913-1929.	2.9	17
152	Cardiovascular susceptibility to in vivo ischemic myocardial injury in male and female rat offspring exposed to prenatal hypoxia. Clinical Science, 2017, 131, 2303-2317.	4.3	17
153	Maternal Physical Activity Is Associated With Improved Blood Pressure Regulation During Late Pregnancy. Canadian Journal of Cardiology, 2018, 34, 485-491.	1.7	17
154	Nanoparticleâ€encapsulated antioxidant improves placental mitochondrial function in a sexually dimorphic manner in a rat model of prenatal hypoxia. FASEB Journal, 2021, 35, e21338.	0.5	17
155	Endogenous estrogen mediates vascular reactivity and distensibility in pregnant rat mesenteric arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H956-H961.	3.2	16
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157	Maternal stress and development of atherosclerosis in the adult apolipoprotein E-deficient mouse offspring. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R663-R671.	1.8	16
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