

Sandra T Davidge

List of Publications by Year in descending order

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252
papers

10,564
citations

22099

59
h-index

46693

89
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282
all docs

282
docs citations

282
times ranked

10293
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular Matrix Metalloproteinase-2 Cleaves Big Endothelin-1 Yielding a Novel Vasoconstrictor. <i>Circulation Research</i> , 1999, 85, 906-911.	2.0	334
2	Evidence for Peroxynitrite Formation in the Vasculature of Women With Preeclampsia. <i>Hypertension</i> , 1999, 33, 83-89.	1.3	221
3	Prostaglandin H Synthase and Vascular Function. <i>Circulation Research</i> , 2001, 89, 650-660.	2.0	209
4	Nitric Oxide Produced by Endothelial Cells Increases Production of Eicosanoids Through Activation of Prostaglandin H Synthase. <i>Circulation Research</i> , 1995, 77, 274-283.	2.0	202
5	The interaction between endothelin-1 and nitric oxide in the vasculature: new perspectives. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1288-R1295.	0.9	169
6	Peroxynitrite increases iNOS through NF- κ B and decreases prostacyclin synthase in endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C395-C402.	2.1	167
7	Resveratrol prevents hypertension and cardiac hypertrophy in hypertensive rats and mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1723-1733.	1.8	167
8	Hypoxia or nutrient restriction during pregnancy in rats leads to progressive cardiac remodeling and impairs postischemic recovery in adult male offspring. <i>FASEB Journal</i> , 2006, 20, 1251-1253.	0.2	163
9	Molecular mechanisms of maternal vascular dysfunction in preeclampsia. <i>Trends in Molecular Medicine</i> , 2015, 21, 88-97.	3.5	156
10	Urine but not plasma nitric oxide metabolites are decreased in women with preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 174, 1008-1013.	0.7	153
11	Vascular Matrix Metalloproteinase-2-Dependent Cleavage of Calcitonin Gene-Related Peptide Promotes Vasoconstriction. <i>Circulation Research</i> , 2000, 87, 670-676.	2.0	153
12	Effects of hypoxia-induced intrauterine growth restriction on cardiopulmonary structure and function during adulthood. <i>Cardiovascular Research</i> , 2009, 81, 713-722.	1.8	147
13	Developmental programming of cardiovascular disease by prenatal hypoxia. <i>Journal of Developmental Origins of Health and Disease</i> , 2013, 4, 328-337.	0.7	147
14	Structure and Activity Study of Egg Protein Ovotransferrin Derived Peptides (IRW and IQW) on Endothelial Inflammatory Response and Oxidative Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2120-2129.	2.4	139
15	Bioactive Natural Constituents from Food Sources—Potential Use in Hypertension Prevention and Treatment. <i>Critical Reviews in Food Science and Nutrition</i> , 2013, 53, 615-630.	5.4	127
16	Vascular Dysfunction in Preeclampsia. <i>Microcirculation</i> , 2014, 21, 4-14.	1.0	126
17	Egg-Derived Tri-Peptide IRW Exerts Antihypertensive Effects in Spontaneously Hypertensive Rats. <i>PLoS ONE</i> , 2013, 8, e82829.	1.1	123
18	Matrix metalloproteinases regulate neutrophil-endothelial cell adhesion through generation of endothelin-1 [132]. <i>FASEB Journal</i> , 2001, 15, 2230-2240.	0.2	120

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19	Preeclampsia: current understanding of the molecular basis of vascular dysfunction. <i>Expert Reviews in Molecular Medicine</i> , 2006, 8, 1-20.	1.6	120
20	Angiotensin II-induced MMP-2 release from endothelial cells is mediated by TNF- α . <i>American Journal of Physiology - Cell Physiology</i> , 2004, 286, C779-C784.	2.1	117
21	Hypoxia-Induced Intrauterine Growth Restriction Increases the Susceptibility of Rats to High-Fat Diet-Induced Metabolic Syndrome. <i>Diabetes</i> , 2011, 60, 507-516.	0.3	115
22	Mechanisms of Estrogen Effects on the Endothelium: An Overview. <i>Canadian Journal of Cardiology</i> , 2014, 30, 705-712.	0.8	112
23	Effects of maternal hypoxia or nutrient restriction during pregnancy on endothelial function in adult male rat offspring. <i>Journal of Physiology</i> , 2005, 565, 125-135.	1.3	111
24	Sildenafil Citrate Rescues Fetal Growth in the Catechol- <i>O</i> -Methyl Transferase Knockout Mouse Model. <i>Hypertension</i> , 2012, 59, 1021-1028.	1.3	111
25	Calorie Restriction Prevents Hypertension and Cardiac Hypertrophy in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 2010, 56, 412-421.	1.3	109
26	Plasma From Women With Preeclampsia Increases Endothelial Cell Nitric Oxide Production. <i>Hypertension</i> , 1995, 26, 244-248.	1.3	104
27	Estrogen Reduces Angiotensin II-Induced Nitric Oxide Synthase and NAD(P)H Oxidase Expression in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 38-44.	1.1	103
28	Estrogen modulation of left ventricular remodeling in the aged heart. <i>Cardiovascular Research</i> , 2003, 57, 388-394.	1.8	100
29	Tumor necrosis factor induces matrix metalloproteinases in cardiomyocytes and cardiofibroblasts differentially via superoxide production in a PI3K β -dependent manner. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C679-C692.	2.1	98
30	Egg-Derived Peptide IRW Inhibits TNF- α -Induced Inflammatory Response and Oxidative Stress in Endothelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10840-10846.	2.4	95
31	Long-term effects of intrauterine growth restriction on cardiac metabolism and susceptibility to ischaemia/reperfusion. <i>Cardiovascular Research</i> , 2011, 90, 285-294.	1.8	94
32	Arginase contributes to endothelial cell oxidative stress in response to plasma from women with preeclampsia. <i>Cardiovascular Research</i> , 2010, 85, 194-203.	1.8	93
33	MMP-2 Levels are Elevated in the Plasma of Women Who Subsequently Develop Preeclampsia. <i>Hypertension in Pregnancy</i> , 2005, 24, 103-115.	0.5	92
34	G-Protein Coupled Receptor 30 (GPR30): A Novel Regulator of Endothelial Inflammation. <i>PLoS ONE</i> , 2012, 7, e52357.	1.1	91
35	Chronic Tumor Necrosis Factor- α Inhibition Enhances NO Modulation of Vascular Function in Estrogen-Deficient Rats. <i>Hypertension</i> , 2005, 46, 76-81.	1.3	88
36	Reduction in Regulatory T Cells in Early Pregnancy Causes Uterine Artery Dysfunction in Mice. <i>Hypertension</i> , 2018, 72, 177-187.	1.3	88

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37	Estrogen is a modulator of vascular inflammation. <i>IUBMB Life</i> , 2008, 60, 376-382.	1.5	87
38	MATRIX METALLOPROTEINASE-2 IS ELEVATED IN THE PLASMA OF WOMEN WITH PREECLAMPSIA. <i>Hypertension in Pregnancy</i> , 2001, 20, 185-194.	0.5	86
39	Differential effects of maternal hypoxia or nutrient restriction on carotid and femoral vascular function in neonatal rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R360-R367.	0.9	83
40	Egg-derived ACE-inhibitory peptides IQW and LKP reduce blood pressure in spontaneously hypertensive rats. <i>Journal of Functional Foods</i> , 2015, 13, 50-60.	1.6	83
41	Angiotensin-Converting Enzyme 2 Is a Critical Determinant of Angiotensin II-Induced Loss of Vascular Smooth Muscle Cells and Adverse Vascular Remodeling. <i>Hypertension</i> , 2014, 64, 157-164.	1.3	81
42	In Utero Origins of Hypertension: Mechanisms and Targets for Therapy. <i>Physiological Reviews</i> , 2016, 96, 549-603.	13.1	78
43	Endogenous modulation of the blunted adrenergic response in resistance-sized mesenteric arteries from the pregnant rat. <i>American Journal of Obstetrics and Gynecology</i> , 1992, 167, 1691-1698.	0.7	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. <i>Journal of Vascular Research</i> , 2005, 42, 337-347.	0.6	76
45	Treating the placenta to prevent adverse effects of gestational hypoxia on fetal brain development. <i>Scientific Reports</i> , 2017, 7, 9079.	1.6	76
46	Increased Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 Expression in the Maternal Vasculature of Women With Preeclampsia. <i>Hypertension</i> , 2009, 53, 270-277.	1.3	75
47	ACE2 Deficiency Enhances Angiotensin II-Mediated Aortic Profilin-1 Expression, Inflammation and Peroxynitrite Production. <i>PLoS ONE</i> , 2012, 7, e38502.	1.1	73
48	Effect of high dose folic acid supplementation in pregnancy on pre-eclampsia (FACT): double blind, phase III, randomised controlled, international, multicentre trial. <i>BMJ: British Medical Journal</i> , 2018, 362, k3478.	2.4	69
49	Effects of Resveratrol in Pregnancy Using Murine Models with Reduced Blood Supply to the Uterus. <i>PLoS ONE</i> , 2013, 8, e64401.	1.1	68
50	Estrogen Replacement Suppresses a Prostaglandin H Synthase-Dependent Vasoconstrictor in Rat Mesenteric Arteries. <i>Circulation Research</i> , 1998, 83, 388-395.	2.0	67
51	Continued Postnatal Administration of Resveratrol Prevents Diet-Induced Metabolic Syndrome in Rat Offspring Born Growth Restricted. <i>Diabetes</i> , 2011, 60, 2274-2284.	0.3	67
52	Death Receptor Fas/Apo-1/CD95 Expressed by Human Placental Cytotrophoblasts Does Not Mediate Apoptosis1. <i>Biology of Reproduction</i> , 1999, 60, 1144-1150.	1.2	66
53	Pregnancy-Induced Alterations of Vascular Function in Mouse Mesenteric and Uterine Arteries1. <i>Biology of Reproduction</i> , 2003, 68, 1072-1077.	1.2	66
54	Plasma of Preeclamptic Women Stimulates and Then Inhibits Endothelial Prostacyclin. <i>Hypertension</i> , 1996, 27, 56-61.	1.3	66

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55	Egg ovotransferrin-derived ACE inhibitory peptide IRW increases ACE2 but decreases proinflammatory genes expression in mesenteric artery of spontaneously hypertensive rats. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1735-1744.	1.5	65
56	Inhibition of Trophoblast-Induced Spiral Artery Remodeling Reduces Placental Perfusion in Rat Pregnancy. <i>Hypertension</i> , 2010, 56, 304-310.	1.3	64
57	Maternal resveratrol treatment during pregnancy improves adverse fetal outcomes in a rat model of severe hypoxia. <i>Placenta</i> , 2012, 33, 449-452.	0.7	64
58	Prenatal Hypoxia Causes Long-Term Alterations in Vascular Endothelin-1 Function in Aged Male, but Not Female, Offspring. <i>Hypertension</i> , 2013, 62, 753-758.	1.3	64
59	Estrogen improves cardiac recovery after ischemia/reperfusion by decreasing tumor necrosis factor- α . <i>Cardiovascular Research</i> , 2006, 69, 836-844.	1.8	61
60	Egg White-derived Antihypertensive Peptide IRW (Ile-Arg-Trp) Reduces Blood Pressure in Spontaneously Hypertensive Rats via the ACE2/Ang (1-7)/Mas Receptor Axis. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900063.	1.5	60
61	Epigallocatechin-3-O-gallate inhibits TNF α -induced monocyte chemotactic protein-1 production from vascular endothelial cells. <i>Life Sciences</i> , 2008, 82, 964-968.	2.0	59
62	Flow-mediated vasodilation is impaired in adult rat offspring exposed to prenatal hypoxia. <i>Journal of Applied Physiology</i> , 2011, 110, 1073-1082.	1.2	58
63	TIMP3 is the primary TIMP to regulate agonist-induced vascular remodelling and hypertension. <i>Cardiovascular Research</i> , 2013, 98, 360-371.	1.8	58
64	A Comparison of Walking versus Stretching Exercises to Reduce the Incidence of Preeclampsia: A Randomized Clinical Trial. <i>Hypertension in Pregnancy</i> , 2008, 27, 113-130.	0.5	57
65	Vascular adaptations to pregnancy in mice: effects on myogenic tone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H2226-H2233.	1.5	56
66	Egg white protein hydrolysate reduces blood pressure, improves vascular relaxation and modifies aortic angiotensin II receptors expression in spontaneously hypertensive rats. <i>Journal of Functional Foods</i> , 2016, 27, 667-673.	1.6	56
67	Perinatal Resveratrol Supplementation to Spontaneously Hypertensive Rat Dams Mitigates the Development of Hypertension in Adult Offspring. <i>Hypertension</i> , 2016, 67, 1038-1044.	1.3	53
68	Ageing Increases PGHS-2-dependent Vasoconstriction in Rat Mesenteric Arteries. <i>Hypertension</i> , 2000, 35, 1242-1247.	1.3	52
69	The Receptor for Advanced Glycation End Products (RAGE) Is Elevated in Women with Preeclampsia. <i>Hypertension in Pregnancy</i> , 2003, 22, 173-184.	0.5	52
70	Matrix Metalloproteinase Enhances Big-Endothelin-1 Constriction in Mesenteric Vessels of Pregnant Rats With Reduced Uterine Blood Flow. <i>Hypertension</i> , 2013, 61, 488-493.	1.3	52
71	In Vitro Differentiation of Villous Trophoblasts from Pregnancies Complicated by Intrauterine Growth Restriction With and Without Pre-Eclampsia. <i>Placenta</i> , 2007, 28, 999-1003.	0.7	50
72	Prenatal hypoxia and placental oxidative stress: linkages to developmental origins of cardiovascular disease. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 313, R395-R399.	0.9	50

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73	The role of matrix metalloproteinases in vascular function: implications for normal pregnancy and pre-eclampsia. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2004, 111, 931-939.	1.1	49
74	Estrogen Replacement Reduces Age-Associated Remodeling in Rat Mesenteric Arteries. <i>Hypertension</i> , 2000, 36, 970-974.	1.3	48
75	Age-associated impairment in vasorelaxation to fluid shear stress in the female vasculature is improved by TNF- α antagonism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1259-H1263.	1.5	48
76	Regulation of Vascular Tone During Pregnancy. <i>Hypertension</i> , 2007, 49, 328-333.	1.3	48
77	Advanced maternal age and the impact on maternal and offspring cardiovascular health. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H387-H394.	1.5	48
78	Endothelial-dependent vasodilation is reduced in mesenteric arteries from superoxide dismutase knockout mice. <i>Cardiovascular Research</i> , 2003, 60, 635-642.	1.8	47
79	Modulatory Effects of Egg White Ovotransferrin-Derived Tripeptide IRW (Ile-Arg-Trp) on Vascular Smooth Muscle Cells against Angiotensin II Stimulation. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7342-7347.	2.4	47
80	Cardioprotection by chronic estrogen or superoxide dismutase mimetic treatment in the aged female rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H165-H171.	1.5	46
81	Sphingosine 1-phosphate-induced vasoconstriction is elevated in mesenteric resistance arteries from aged female rats. <i>British Journal of Pharmacology</i> , 2004, 143, 276-284.	2.7	46
82	17 β -Estradiol induces protein S-nitrosylation in the endothelium. <i>Cardiovascular Research</i> , 2010, 85, 796-805.	1.8	46
83	TGF β ² and EGF synergistically induce a more invasive phenotype of epithelial ovarian cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 376-381.	1.0	46
84	Effect of Advanced Maternal Age on Pregnancy Outcomes and Vascular Function in the Rat. <i>Hypertension</i> , 2015, 65, 1324-1330.	1.3	46
85	Effect of resveratrol on metabolic and cardiovascular function in male and female adult offspring exposed to prenatal hypoxia and a high-fat diet. <i>Journal of Physiology</i> , 2016, 594, 1465-1482.	1.3	46
86	Maternal treatment with a placental-targeted antioxidant (MitoQ) impacts offspring cardiovascular function in a rat model of prenatal hypoxia. <i>Pharmacological Research</i> , 2018, 134, 332-342.	3.1	46
87	Effect of the Anti-Oxidant Tempol on Fetal Growth in a Mouse Model of Fetal Growth Restriction1. <i>Biology of Reproduction</i> , 2012, 87, 25, 1-8.	1.2	45
88	The Early Origins of Cardiovascular Health and Disease: Who, When, and How. <i>Seminars in Reproductive Medicine</i> , 2011, 29, 197-210.	0.5	44
89	Effect of Prenatal Hypoxia in Transgenic Mouse Models of Preeclampsia and Fetal Growth Restriction. <i>Reproductive Sciences</i> , 2014, 21, 492-502.	1.1	44
90	Antioxidant Peptides Identified from Ovotransferrin by the ORAC Method Did Not Show Anti-Inflammatory and Antioxidant Activities in Endothelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 113-119.	2.4	44

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91	Neuronal nitric oxide synthase regulates endothelial inflammation. <i>Journal of Leukocyte Biology</i> , 2012, 91, 947-956.	1.5	43
92	A comparison of ovariectomy models for estrogen studies. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 280, R904-R907.	0.9	41
93	Sphingosine-1-phosphate inhibition of placental trophoblast differentiation through a Gi-coupled receptor response. <i>Journal of Lipid Research</i> , 2005, 46, 1833-1839.	2.0	41
94	Effect of Adrenomedullin on Placental Arteries in Normal and Preeclamptic Pregnancies. <i>Hypertension</i> , 2001, 37, 227-231.	1.3	40
95	Role of Neuronal Nitric-Oxide Synthase in Estrogen-Induced Relaxation in Rat Resistance Arteries. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 367-375.	1.3	40
96	Plasma from preeclamptic women increases human endothelial cell prostacyclin production without changes in cellular enzyme activity or mass. <i>American Journal of Obstetrics and Gynecology</i> , 1995, 172, 976-985.	0.7	39
97	Metabolites of progesterone and the pregnane X receptor: A novel pathway regulating uterine contractility in pregnancy?. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 192, 1304-1313.	0.7	39
98	High glucose-induced oxidative stress alters estrogen effects on ER α and ER β in human endothelial cells: Reversal by AMPK activator. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 117, 99-106.	1.2	39
99	Sex-Specific Effects of Nanoparticle-Encapsulated MitoQ (nMitoQ) Delivery to the Placenta in a Rat Model of Fetal Hypoxia. <i>Frontiers in Physiology</i> , 2019, 10, 562.	1.3	39
100	Synergistic effects of prenatal hypoxia and postnatal high-fat diet in the development of cardiovascular pathology in young rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R418-R426.	0.9	38
101	Sphingosine-1-Phosphate Acts via Rho-Associated Kinase and Nitric Oxide to Regulate Human Placental Vascular Tone. <i>Biology of Reproduction</i> , 2006, 74, 88-94.	1.2	37
102	Tumor Necrosis Factor- α and Vascular Angiotensin II in Estrogen-Deficient Rats. <i>Hypertension</i> , 2006, 48, 497-503.	1.3	37
103	Vascular Function in the Vitamin E-Deprived Rat. <i>Hypertension</i> , 1998, 31, 830-835.	1.3	36
104	The effects of propofol on vascular function in mesenteric arteries of the aging rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H466-H474.	1.5	36
105	The Effects of Preeclampsia and Oxygen Environment on Endothelial Release of Matrix Metalloproteinase-2. <i>Hypertension in Pregnancy</i> , 2004, 23, 47-60.	0.5	35
106	Gender differences in myogenic tone in superoxide dismutase knockout mouse: animal model of oxidative stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H40-H45.	1.5	35
107	Egg White-Derived Tripeptide IRW (Ile-Arg-Trp) Is an Activator of Angiotensin Converting Enzyme 2. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11330-11336.	2.4	35
108	Role of matrix metalloproteinase-2 in thrombin-induced vasorelaxation of rat mesenteric arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1473-H1479.	1.5	34

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109	Blunted sympathetic neurovascular transduction during normotensive pregnancy. <i>Journal of Physiology</i> , 2019, 597, 3687-3696.	1.3	33
110	Mechanisms of Endothelial Dysfunction in Resistance Arteries from Patients with End-Stage Renal Disease. <i>PLoS ONE</i> , 2012, 7, e36056.	1.1	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. <i>PLoS ONE</i> , 2014, 9, e115006.	1.1	33
112	Effect of Gestational Diabetes on Maternal Artery Function. <i>Reproductive Sciences</i> , 2011, 18, 342-352.	1.1	32
113	Lectin-Like Oxidized Low-Density Lipoprotein 1 Receptor in a Reduced Uteroplacental Perfusion Pressure Rat Model of Preeclampsia. <i>Hypertension</i> , 2012, 59, 1014-1020.	1.3	32
114	Loss of smooth muscle cell disintegrin and metalloproteinase 17 transiently suppresses angiotensin II-induced hypertension and end-organ damage. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 103, 11-21.	0.9	32
115	Egg white hydrolysate shows insulin mimetic and sensitizing effects in 3T3-F442A pre-adipocytes. <i>PLoS ONE</i> , 2017, 12, e0185653.	1.1	32
116	Milk-derived tripeptides IPP (Ile-Pro-Pro) and VPP (Val-Pro-Pro) differentially modulate angiotensin II effects on vascular smooth muscle cells. <i>Journal of Functional Foods</i> , 2017, 30, 151-158.	1.6	31
117	Evidence for Increased Methylglyoxal in the Vasculature of Women With Preeclampsia. <i>Hypertension</i> , 2009, 54, 897-904.	1.3	29
118	Endothelial Colony-Forming Cells Derived From Pregnancies Complicated by Intrauterine Growth Restriction Are Fewer and Have Reduced Vasculogenic Capacity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 4953-4960.	1.8	29
119	Characterisation of the Selective Reduced Uteroplacental Perfusion (sRUPP) Model of Preeclampsia. <i>Scientific Reports</i> , 2019, 9, 9565.	1.6	29
120	Advanced maternal age compromises fetal growth and induces sex-specific changes in placental phenotype in rats. <i>Scientific Reports</i> , 2019, 9, 16916.	1.6	29
121	Vascular wall dysfunction in JCR:LA-cp rats: effects of age and insulin resistance. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C987-C993.	2.1	28
122	Postpartum Vascular Dysfunction in the Reduced Uteroplacental Perfusion Model of Preeclampsia. <i>PLoS ONE</i> , 2016, 11, e0162487.	1.1	28
123	Effect of Exercise on Vascular Superoxide Dismutase Expression in High-Risk Pregnancy. <i>American Journal of Perinatology</i> , 2011, 28, 803-810.	0.6	27
124	Endothelin in the female vasculature: a role in aging?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R509-R516.	0.9	26
125	Coiled-coil domain containing 3 (CCDC3) represses tumor necrosis factor- α /nuclear factor κ B-induced endothelial inflammation. <i>Cellular Signalling</i> , 2014, 26, 2793-2800.	1.7	26
126	Sildenafil Therapy Normalizes the Aberrant Metabolomic Profile in the Comtâ~/â Mouse Model of Preeclampsia/Fetal Growth Restriction. <i>Scientific Reports</i> , 2015, 5, 18241.	1.6	26

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127	Myogenic reactivity is enhanced in rat radial uterine arteries in a model of maternal undernutrition. <i>American Journal of Obstetrics and Gynecology</i> , 2004, 191, 334-339.	0.7	25
128	Uterine Vasculature Remodeling in Human Pregnancy Involves Functional Macrochimerism by Endothelial Colony Forming Cells of Fetal Origin. <i>Stem Cells</i> , 2013, 31, 1363-1370.	1.4	25
129	Mechanism of vascular dysfunction due to circulating factors in women with pre-eclampsia. <i>Clinical Science</i> , 2016, 130, 539-549.	1.8	25
130	Possible Beneficial Effect of Exercise, by Reducing Oxidative Stress, on the Incidence of Preeclampsia. <i>Journal of Women's Health and Gender-Based Medicine</i> , 2001, 10, 983-989.	1.7	24
131	Estrogen replacement increases matrix metalloproteinase contribution to vasoconstriction in a rat model of menopause. <i>Journal of Hypertension</i> , 2009, 27, 1602-1608.	0.3	24
132	Inhibition of Lectin-Like Oxidized Low-Density Lipoprotein-1 Receptor Protects Against Plasma-Mediated Vascular Dysfunction Associated With Pre-Eclampsia. <i>American Journal of Hypertension</i> , 2013, 26, 279-286.	1.0	24
133	Foetal growth restriction in mice modifies postnatal airway responsiveness in an age and sex-dependent manner. <i>Clinical Science</i> , 2018, 132, 273-284.	1.8	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. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10179-10187.	2.4	24
135	Placenta-targeted treatment strategies: An opportunity to impact fetal development and improve offspring health later in life. <i>Pharmacological Research</i> , 2020, 157, 104836.	3.1	24
136	Effects of hypoxia-induced intrauterine growth restriction on cardiac siderosis and oxidative stress. <i>Journal of Developmental Origins of Health and Disease</i> , 2012, 3, 350-357.	0.7	23
137	Maternal vascular responses to hypoxia in a rat model of intrauterine growth restriction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1068-R1075.	0.9	23
138	The Effects of Myo-Inositol and B and D Vitamin Supplementation in the db/+ Mouse Model of Gestational Diabetes Mellitus. <i>Nutrients</i> , 2017, 9, 141.	1.7	23
139	PREECLAMPSIA AND CEREBRAL PALSY IN LOW-BIRTH-WEIGHT AND PRETERM INFANTS: IMPLICATIONS FOR THE CURRENT ?ISCHEMIC MODEL? OF PREECLAMPSIA1*. <i>Hypertension in Pregnancy</i> , 2001, 20, 1-13.	0.5	23
140	Increased Myogenic Responses in Uterine but not Mesenteric Arteries from Pregnant Offspring of Diet-Restricted Rat Dams1. <i>Biology of Reproduction</i> , 2005, 72, 997-1003.	1.2	22
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