Mary E Wlodek

List of Publications by Citations

169 papers	3,635 citations	33 h-index	52 g-index
182 ext. papers	4,128 ext. citations	4.1 avg, IF	5.41 L-index

#	Paper	IF	Citations
169	Normal lactational environment restores nephron endowment and prevents hypertension after placental restriction in the rat. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 1688-96	12.7	183
168	Adolescence and the next generation. *Nature*, **2018**, 554, 458-466	50.4	149
167	Growth restriction before or after birth reduces nephron number and increases blood pressure in male rats. *Kidney International*, **2008**, 74, 187-95	9.9	138
166	Uteroplacental insufficiency causes a nephron deficit, modest renal insufficiency but no hypertension with ageing in female rats. *Journal of Physiology*, **2009**, 587, 2635-46	3.9	117
165	Changes in pituitary responses to synthetic ovine corticotrophin releasing factor in fetal sheep. *Canadian Journal of Physiology and Pharmacology*, **1985**, 63, 1398-403	2.4	96
164	Review: Sex specific programming: a critical role for the renal renin-angiotensin system. *Placenta*, **2010**, 31 Suppl, S40-6	3.4	92
163	Programming of maternal and offspring disease: impact of growth restriction, fetal sex and transmission across generations. *Journal of Physiology*, **2016**, 594, 4727-40	3.9	87
162	The Impact of Maternal Obesity on Human Milk Macronutrient Composition: A Systematic Review and Meta-Analysis. *Current Developments in Nutrition*, **2021**, 5, 773-773	0.4	78
161	Localization of relaxin receptors in arteries and veins, and region-specific increases in compliance and bradykinin-mediated relaxation after in vivo serelaxin treatment. *FASEB Journal*, **2014**, 28, 275-87	0.9	72
160	Uteroplacental insufficiency programs regional vascular dysfunction and alters arterial stiffness in female offspring. *Journal of Physiology*, **2010**, 588, 1997-2010	3.9	68
159	Improved lactational nutrition and postnatal growth ameliorates impairment of glucose tolerance by uteroplacental insufficiency in male rat offspring. *Endocrinology*, **2008**, 149, 3067-76	4.8	68
158	Leptin in pregnancy and development: a contributor to adulthood disease?. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 308, E335-50	6	64
157	Effects of uteroplacental insufficiency and reducing litter size on maternal mammary function and postnatal offspring growth. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 294, R539-48	3.2	62
156	Uteroplacental restriction in the rat impairs fetal growth in association with alterations in placental growth factors including PTHrP. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R1620-7	3.2	62
155	Cardiovascular and renal disease in the adolescent guinea pig after chronic placental insufficiency. *American Journal of Obstetrics and Gynecology*, **2004**, 191, 847-55	6.4	60
154	Swallowing of lung liquid and amniotic fluid by the ovine fetus under normoxic and hypoxic conditions. *American Journal of Obstetrics and Gynecology*, **1994**, 171, 764-70	6.4	57
153	Periconceptional alcohol consumption causes fetal growth restriction and increases glycogen accumulation in the late gestation rat placenta. *Placenta*, **2014**, 35, 50-7	3.4	56

152	Why do membranes rupture at term? Evidence of increased cellular apoptosis in the supracervical fetal membranes. *American Journal of Obstetrics and Gynecology*, **2007**, 196, 484.e1-10	6.4	56
151	Expression and localisation of GLUT1 and GLUT12 glucose transporters in the pregnant and lactating rat mammary gland. *Cell and Tissue Research*, **2003**, 311, 91-7	4.2	53
150	Maternal alcohol intake around the time of conception causes glucose intolerance and insulin insensitivity in rat offspring, which is exacerbated by a postnatal high-fat diet. *FASEB Journal*, **2015**, 29, 2690-701	0.9	46
149	Epigenetic origins of metabolic disease: The impact of the maternal condition to the offspring epigenome and later health consequences. *Food Science and Human Wellness*, **2013**, 2, 1-11	8.3	46
148	Cardio-renal and metabolic adaptations during pregnancy in female rats born small: implications for maternal health and second generation fetal growth. *Journal of Physiology*, **2012**, 590, 617-30	3.9	45
147	Plasma adrenocorticotropic hormone and cortisol and adrenal blood flow during sustained hypoxemia in fetal sheep. *American Journal of Obstetrics and Gynecology*, **1986**, 155, 1332-6	6.4	44
146	Short-term exercise training early in life restores deficits in pancreatic Β-cell mass associated with growth restriction in adult male rats. *American Journal of Physiology - Endocrinology and Metabolism* , **2011**, 301, E931-40	6	42
145	Uteroplacental insufficiency and lactational environment separately influence arterial stiffness and vascular function in adult male rats. *Hypertension*, **2012**, 60, 378-86	8.5	42
144	Relaxin mediates uterine artery compliance during pregnancy and increases uterine blood flow. *FASEB Journal*, **2012**, 26, 4035-44	0.9	42
143	Uteroplacental insufficiency and reducing litter size alters skeletal muscle mitochondrial biogenesis in a sex-specific manner in the adult rat. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E861-9	6	42
142	Identification of the Alzheimer's disease amyloid precursor protein (APP) and its homologue APLP2 as essential modulators of glucose and insulin homeostasis and growth. *Journal of Pathology*, **2008**, 215, 155-63	9.4	42
141	Normal lactational environment restores cardiomyocyte number after uteroplacental insufficiency: implications for the preterm neonate. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 302, R1101-10	3.2	39
140	Effects of estrogen on basal forebrain cholinergic neurons and spatial learning. *Journal of Neuroscience Research*, **2008**, 86, 1588-98	4.4	36
139	DNA Methyltransferase 1 Controls Nephron Progenitor Cell Renewal and Differentiation. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 63-78	12.7	36
138	Prenatal growth restriction and postnatal growth restriction followed by accelerated growth independently program reduced bone growth and strength. *Bone*, **2009**, 45, 132-41	4.7	34
137	Effects of maternal ethanol infusion on fetal cardiovascular and brain activity in lambs. *American Journal of Obstetrics and Gynecology*, **1985**, 151, 859-67	6.4	34
136	Experimental and Human Evidence for Lipocalin-2 (Neutrophil Gelatinase-Associated Lipocalin [NGAL]) in the Development of Cardiac Hypertrophy and heart failure. *Journal of the American Heart Association*, **2017**, 6,	6	32
135	Transgenerational programming of fetal nephron deficits and sex-specific adult hypertension in rats. *Reproduction, Fertility and Development*, **2014**, 26, 1032-43	1.8	31

134	Vascular effects of PTHrP (1-34) and PTH (1-34) in the human fetal-placental circulation. *Placenta*, **1997**, 18, 587-92	3.4	31
133	Transgenerational metabolic outcomes associated with uteroplacental insufficiency. *Journal of Endocrinology*, **2013**, 217, 105-18	4.7	27
132	The expression of parathyroid hormone-related protein mRNA and immunoreactive protein in human amnion and choriodecidua is increased at term compared with preterm gestation. *Journal of Endocrinology*, **1997**, 154, 103-12	4.7	26
131	Uteroplacental insufficiency programmes vascular dysfunction in non-pregnant rats: compensatory adaptations in pregnancy. *Journal of Physiology*, **2012**, 590, 3375-88	3.9	23
130	Cross-fostering and improved lactation ameliorates deficits in endocrine pancreatic morphology in growth-restricted adult male rat offspring. *Journal of Developmental Origins of Health and Disease*, **2010**, 1, 234-44	2.4	23
129	Sex-Specific Metabolic Outcomes in Offspring of Female Rats Born Small or Exposed to Stress During Pregnancy. *Endocrinology*, **2016**, 157, 4104-4120	4.8	22
128	Growth restriction in the rat alters expression of metabolic genes during postnatal cardiac development in a sex-specific manner. *Physiological Genomics*, **2013**, 45, 99-105	3.6	22
127	Pregnancy in aged rats that were born small: cardiorenal and metabolic adaptations and second-generation fetal growth. *FASEB Journal*, **2012**, 26, 4337-47	0.9	22
126	Long-term alteration in maternal blood pressure and renal function after pregnancy in normal and growth-restricted rats. *Hypertension*, **2012**, 60, 206-13	8.5	22
125	Parathyroid hormone(1-34) and parathyroid hormone-related protein(1-34) stimulate calcium release from human syncytiotrophoblast basal membranes via a common receptor. *Journal of Endocrinology*, **2000**, 166, 689-95	4.7	22
124	What Evidence Do We Have for Pharmaceutical Galactagogues in the Treatment of Lactation Insufficiency?-A Narrative Review. *Nutrients*, **2019**, 11,	6.7	21
123	Enhanced uterine artery stiffness in aged pregnant relaxin mutant mice is reversed with exogenous relaxin treatment. *Biology of Reproduction*, **2013**, 89, 18	3.9	21
122	Effect of high oxygen on placental function in short-term explant cultures. *Cell and Tissue Research*, **2007**, 328, 607-16	4.2	21
121	Parathyroid hormone-related protein(1-34) in gestational fluids and release from human gestational tissues. *Journal of Endocrinology*, **2000**, 165, 657-62	4.7	21
120	Untargeted lipidomics using liquid chromatography-ion mobility-mass spectrometry reveals novel triacylglycerides in human milk. *Scientific Reports*, **2020**, 10, 9255	4.9	20
119	The impact of maternal obesity on human milk macronutrient composition: A systematic review and meta-analysis. *Nutrients*, **2020**, 12,	6.7	20
118	Maternal adaptations and inheritance in the transgenerational programming of adult disease. *Cell and Tissue Research*, **2012**, 349, 863-80	4.2	20
117	Impaired mammary function and parathyroid hormone-related protein during lactation in growth-restricted spontaneously hypertensive rats. *Journal of Endocrinology*, **2003**, 178, 233-45	4.7	20

116	Impact of low dose prenatal ethanol exposure on glucose homeostasis in Sprague-Dawley rats aged up to eight months. *PLoS ONE*, **2013**, 8, e59718	3.7	20
115	Parathyroid hormone-related protein (PTHrP) concentrations in human amniotic fluid during gestation and at the time of labour. *Reproduction, Fertility and Development*, **1995**, 7, 1509-13	1.8	20
114	The role of maternal nutrition, metabolic function and the placenta in developmental programming of renal dysfunction. *Clinical and Experimental Pharmacology and Physiology*, **2016**, 43, 135-41	3	20
113	Transgenerational left ventricular hypertrophy and hypertension in offspring after uteroplacental insufficiency in male rats. *Clinical and Experimental Pharmacology and Physiology*, **2014**, 41, 884-90	3	19
112	Effects of prolonged hypoxemia on fetal renal function and amniotic fluid volume in sheep. *American Journal of Obstetrics and Gynecology*, **1997**, 176, 320-6	6.4	19
111	Uteroplacental insufficiency reduces rat plasma leptin concentrations and alters placental leptin transporters: ameliorated with enhanced milk intake and nutrition. *Journal of Physiology*, **2017**, 595, 3389-3407	3.9	18
110	Calcium supplementation does not rescue the programmed adult bone deficits associated with perinatal growth restriction. *Bone*, **2010**, 47, 1054-63	4.7	18
109	Exercise early in life in rats born small does not normalize reductions in skeletal muscle PGC-1 in adulthood. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 302, E1221-30	6	18
108	The human milk microbiome: who, what, when, where, why, and how?. *Nutrition Reviews*, **2021**, 79, 529-543	8.4	18
107	Relative contribution of the prenatal versus postnatal period on development of hypertension and growth rate of the spontaneously hypertensive rat. *Clinical and Experimental Pharmacology and Physiology*, **2006**, 33, 9-16	3	17
106	Does perinatal omega-3 polyunsaturated fatty acid deficiency increase appetite signaling?. *Obesity*, **2004**, 12, 1886-94		17
105	Parathyroid hormone-related protein (PTHrP) mRNA splicing and parathyroid hormone/PTHrP receptor mRNA expression in human placenta and fetal membranes. *Journal of Molecular Endocrinology*, **1998**, 21, 225-34	4.5	17
104	Maternal exercise in rats upregulates the placental insulin-like growth factor system with diet- and sex-specific responses: minimal effects in mothers born growth restricted. *Journal of Physiology*, **2018**, 596, 5947-5964	3.9	16
103	Urethral and urachal urine output to the amniotic and allantoic sacs in fetal sheep. *Journal of Developmental Physiology*, **1988**, 10, 309-19		16
102	Sustained cardiac programming by short-term juvenile exercise training in male rats. *Journal of Physiology*, **2018**, 596, 163-180	3.9	16
101	Periconceptional alcohol exposure causes female-specific perturbations to trophoblast differentiation and placental formation in the rat. *Development (Cambridge)*, **2019**, 146,	6.6	15
100	Exercise as an intervention to improve metabolic outcomes after intrauterine growth restriction. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 306, E999-1012	6	15
99	Differences in white matter structure between seizure prone (FAST) and seizure resistant (SLOW) rat strains. *Neurobiology of Disease*, **2017**, 104, 33-40	7.5	15

98	Effect of pregnancy for females born small on later life metabolic disease risk. *PLoS ONE*, **2012**, 7, e45188	3.7	15
97	Intrauterine expression of parathyroid hormone-related protein in normal and pre-eclamptic pregnancies. *Placenta*, **1998**, 19, 595-601	3.4	15
96	Preterm fetal growth restriction is associated with increased parathyroid hormone-related protein expression in the fetal membranes. *American Journal of Obstetrics and Gynecology*, **2000**, 183, 700-5	6.4	15
95	Reduced fetal, placental, and amniotic fluid PTHrP in the growth-restricted spontaneously hypertensive rat. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2000**, 279, R31-8	3.2	15
94	Effects of uteroplacental restriction on the relaxin-family receptors, Lgr7 and Lgr8, in the uterus of late pregnant rats. *Reproduction, Fertility and Development*, **2007**, 19, 530-8	1.8	15
93	Maternal obesity in females born small: Pregnancy complications and offspring disease risk. *Molecular Nutrition and Food Research*, **2016**, 60, 8-17	5.9	14
92	Developmental programming: variations in early growth and adult disease. *Clinical and Experimental Pharmacology and Physiology*, **2013**, 40, 795-802	3	14
91	Decreased expression of the rat myometrial relaxin receptor (RXFP1) in late pregnancy is partially mediated by the presence of the conceptus. *Biology of Reproduction*, **2010**, 83, 818-24	3.9	14
90	Angiotensin II influences ovarian follicle development in the transgenic (mRen-2)27 and Sprague-Dawley rat. *Journal of Endocrinology*, **2004**, 180, 311-24	4.7	14
89	Effect of nuclear factor-kappa B inhibitors and peroxisome proliferator-activated receptor-gamma ligands on PTHrP release from human fetal membranes. *Placenta*, **2004**, 25, 699-704	3.4	14
88	Endurance training in early life results in long-term programming of heart mass in rats. *Physiological Reports*, **2016**, 4, e12720	2.6	14
87	Transgenerational programming of nephron deficits and hypertension. *Seminars in Cell and Developmental Biology*, **2020**, 103, 94-103	7.5	14
86	Intrauterine Growth Restriction Alters the Postnatal Development of the Rat Cerebellum. *Developmental Neuroscience*, **2017**, 39, 215-227	2.2	13
85	Effects of periconceptional maternal alcohol intake and a postnatal high-fat diet on obesity and liver disease in male and female rat offspring. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E694-E704	6	13
84	Progesterone withdrawal, and not increased circulating relaxin, mediates the decrease in myometrial relaxin receptor (RXFP1) expression in late gestation in rats. *Biology of Reproduction*, **2010**, 83, 825-32	3.9	13
83	Adrenal, metabolic and cardio-renal dysfunction develops after pregnancy in rats born small or stressed by physiological measurements during pregnancy. *Journal of Physiology*, **2016**, 594, 6055-6068	3.9	13
82	Uteroplacental insufficiency leads to hypertension, but not glucose intolerance or impaired skeletal muscle mitochondrial biogenesis, in 12-month-old rats. *Physiological Reports*, **2015**, 3, e12556	2.6	12
81	Brain allopregnanolone in the fetal and postnatal rat in response to uteroplacental insufficiency. *Neuroendocrinology*, **2008**, 88, 287-92	5.6	12

80	Relation between fetal arterial PO2 and oxytocin-induced uterine contractions in pregnant sheep. *Canadian Journal of Physiology and Pharmacology*, **1984**, 62, 1337-40	2.4	12
79	Possible role of uterine contractions in the short-term fluctuations of plasma ACTH concentration in fetal sheep. *Journal of Endocrinology*, **1985**, 106, R9-11	4.7	12
78	PTH/PTHrP receptor and mid-molecule PTHrP regulation of intrauterine PTHrP: PTH/PTHrP receptor antagonism increases SHR fetal weight. *Placenta*, **2004**, 25, 53-61	3.4	11
77	The spontaneously hypertensive rat fetus, not the mother, is responsible for the reduced amniotic fluid PTHrP concentrations and growth restriction. *Placenta*, **2001**, 22, 646-51	3.4	11
76	Maternal exercise and growth restriction in rats alters placental angiogenic factors and blood space area in a sex-specific manner. *Placenta*, **2018**, 74, 47-54	3.4	11
75	Maternal growth restriction and stress exposure in rats differentially alters expression of components of the placental glucocorticoid barrier and nutrient transporters. *Placenta*, **2017**, 59, 30-38	3.4	10
74	Exercise initiated during pregnancy in rats born growth restricted alters placental mTOR and nutrient transporter expression. *Journal of Physiology*, **2019**, 597, 1905-1918	3.9	10
73	Fetal versus maternal determinants of the reduced fetal and placental growth in spontaneously hypertensive rats. *Journal of Hypertension*, **2000**, 18, 45-50	1.9	10
72	Fathers that are born small program alterations in the next-generation preimplantation rat embryos. *Journal of Nutrition*, **2015**, 145, 876-83	4.1	9
71	Delayed myelination and neurodevelopment in male seizure-prone versus seizure-resistant rats. *Epilepsia*, **2018**, 59, 753-764	6.4	9
70	Exercise improves metabolic function and alters the microbiome in rats with gestational diabetes. *FASEB Journal*, **2020**, 34, 1728-1744	0.9	9
69	Can we modulate the breastfed infant gut microbiota through maternal diet?. *FEMS Microbiology Reviews*, **2021**, 45,	15.1	9
68	Embryo transfer cannot delineate between the maternal pregnancy environment and germ line effects in the transgenerational transmission of disease in rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R607-18	3.2	8
67	Maternal progesterone treatment rescues the mammary impairment following uteroplacental insufficiency and improves postnatal pup growth in the rat. *Reproductive Sciences*, **2009**, 16, 380-90	3	8
66	Increased elastic tissue defect formation in the growth restricted Brown Norway rat: a potential link between in utero condition and cardiovascular disease. *Pediatric Research*, **2008**, 64, 125-30	3.2	8
65	Locations and molecular forms of gastrin-releasing peptide-like immunoreactive entities in ovine pregnancy. *Peptides*, **1996**, 17, 489-95	3.8	8
64	The effects of twenty-four hours of reduced uterine blood flow on fetal fluid balance in sheep. *American Journal of Obstetrics and Gynecology*, **1994**, 170, 1442-51	6.4	8
63	Effects of inhibition of prostaglandin synthesis on flow and composition of fetal urine, lung liquid, and swallowed fluid in sheep. *American Journal of Obstetrics and Gynecology*, **1994**, 170, 186-195	6.4	8

62	The effects of twenty-four hours of reduced uterine blood flow on fetal fluid balance in sheep. *American Journal of Obstetrics and Gynecology*, **1994**, 170, 1442-1451	6.4	8
61	Human Milk Sampling Protocols Affect Estimation of Infant Lipid Intake. *Journal of Nutrition*, **2020**, 150, 2924-2930	4.1	8
60	Puberty onset is delayed following uteroplacental insufficiency and occurs earlier with improved lactation and growth for pups born small. *Reproduction, Fertility and Development*, **2017**, 29, 307-318	1.8	7
59	Is breastfeeding associated with later child eating behaviours?. *Appetite*, **2020**, 150, 104653	4.5	7
58	A Systematic Review of Collection and Analysis of Human Milk for Macronutrient Composition. *Journal of Nutrition*, **2020**, 150, 1652-1670	4.1	7
57	Uteroplacental insufficiency temporally exacerbates salt-induced hypertension associated with a reduced natriuretic response in male rat offspring. *Journal of Physiology*, **2018**, 596, 5859-5872	3.9	7
56	Developmental programming of bone deficits in growth-restricted offspring. *Reproduction, Fertility and Development*, **2015**, 27, 823-33	1.8	7
55	Physiological skeletal gains and losses in rat mothers during pregnancy and lactation are not observed following uteroplacental insufficiency. *Reproduction, Fertility and Development*, **2014**, 26, 385-94	1.8	7
54	Normal mammary gland growth and lactation capacity in pregnant relaxin-deficient mice. *Reproduction, Fertility and Development*, **2009**, 21, 549-60	1.8	7
53	Uteroplacental insufficiency alters the mammary gland response to lactogenic hormones in vitro. *Reproduction, Fertility and Development*, **2008**, 20, 460-5	1.8	7
52	Reducing Pup Litter Size Alters Early Postnatal Calcium Homeostasis and Programs Adverse Adult Cardiovascular and Bone Health in Male Rats. *Nutrients*, **2019**, 11,	6.7	6
51	Growth restriction in the rat alters expression of cardiac JAK/STAT genes in a sex-specific manner. *Journal of Developmental Origins of Health and Disease*, **2014**, 5, 314-21	2.4	6
50	Alterations in fetal urine production during prolonged hypoxaemia induced by reduced uterine blood flow in sheep: mechanisms. *Clinical and Experimental Pharmacology and Physiology*, **1996**, 23, 57-63	3	6
49	Source of inhibin in ovine fetal plasma and amniotic fluid during late gestation: half-life of fetal inhibin. *Biology of Reproduction*, **1997**, 57, 347-53	3.9	6
48	Swallowing and urine flow responses of ovine fetuses to 24 h of hypoxia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1994**, 266, R1345-52	3.2	6
47	The effects of hypoxemia with progressive acidemia on fetal renal function in sheep. *Journal of Developmental Physiology*, **1989**, 12, 323-8		6
46	Low female birth weight and advanced maternal age programme alterations in next-generation blastocyst development. *Reproduction*, **2015**, 149, 497-510	3.8	5
45	Pregnant growth restricted female rats have bone gains during late gestation which contributes to second generation adolescent and adult offspring having normal bone health. *Bone*, **2015**, 74, 199-207	4.7	5

44	The effect of low-to-moderate-dose ethanol consumption on rat mammary gland structure and function and early postnatal growth of offspring. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2013**, 304, R791-8	3.2	5
43	Stage of perinatal development regulates skeletal muscle mitochondrial biogenesis and myogenic regulatory factor genes with little impact of growth restriction or cross-fostering. *Journal of Developmental Origins of Health and Disease*, **2012**, 3, 39-51	2.4	5
42	Growth restriction alters adult spatial memory and sensorimotor gating in a sex-specific manner. *Journal of Developmental Origins of Health and Disease*, **2012**, 3, 59-68	2.4	5
41	Growth restriction before and after birth increases kinase signaling pathways in the adult rat heart. *Journal of Developmental Origins of Health and Disease*, **2010**, 1, 376-85	2.4	5
40	Lack of evidence for a role for either the in utero or suckling periods in the exaggerated salt preference of the spontaneously hypertensive rat. *Physiology and Behavior*, **2005**, 86, 500-7	3.5	5
39	Effects of inhibition of prostaglandin synthesis on flow and composition of fetal urine, lung liquid, and swallowed fluid in sheep. *American Journal of Obstetrics and Gynecology*, **1994**, 170, 186-95	6.4	5
38	Mismatch between poor fetal growth and rapid postnatal weight gain in the first 2 years of life is associated with higher blood pressure and insulin resistance without increased adiposity in childhood: the GUSTO cohort study. *International Journal of Epidemiology*, **2020**, 49, 1591-1603	7.8	5
37	Breastfeeding a small for gestational age infant, complicated by maternal gestational diabetes: a case report. *BMC Pregnancy and Childbirth*, **2019**, 19, 210	3.2	4
36	Moderate prenatal ethanol exposure in the rat promotes kidney cell apoptosis, nephron deficits, and sex-specific kidney dysfunction in adult offspring. *Anatomical Record*, **2020**, 303, 2632-2645	2.1	4
35	Effects of prostaglandin E2 on renal function and lung liquid dynamics in foetal sheep. *Clinical and Experimental Pharmacology and Physiology*, **1998**, 25, 805-12	3	4
34	Fetal-maternal fluid and electrolyte relations during chronic fetal urine loss in sheep. *American Journal of Physiology - Renal Physiology*, **1992**, 263, F671-9	4.3	4
33	Maternal circulating SPINT1 is reduced in small-for-gestational age pregnancies at 26 weeks: Growing up in Singapore towards health outcomes (GUSTO) cohort study. *Placenta*, **2021**, 110, 24-28	3.4	4
32	Respiratory modulation of sympathetic nerve activity is enhanced in male rat offspring following uteroplacental insufficiency. *Respiratory Physiology and Neurobiology*, **2016**, 226, 147-51	2.8	4
31	Uteroplacental insufficiency in rats induces renal apoptosis and delays nephrogenesis completion. *Acta Physiologica*, **2018**, 222, e12982	5.6	4
30	Evaluation of right heart function in a rat model using modified echocardiographic views. *PLoS ONE* , **2017**, 12, e0187345	3.7	3
29	Maternal stress does not exacerbate long-term bone deficits in female rats born growth restricted, with differential effects on offspring bone health. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 314, R161-R170	3.2	3
28	Angiotensin receptor blockade in juvenile male rat offspring: Implications for long-term cardio-renal health. *Pharmacological Research*, **2018**, 134, 320-331	10.2	3
27	82 LOW MATERNAL BIRTH WEIGHT IS ASSOCIATED WITH TRANSMISSION OF NEPHRON DEFICITS AND HIGH BLOOD PRESSURE IN MALE RATS. *Journal of Hypertension*, **2012**, 30, e26	1.9	3

26	Bladder contractions and micturition in fetal sheep: their relation to behavioral states. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1989**, 257, R1526-32	3.2	3
25	The influence of gestational age and onset of labour on determinants of fetal-maternal fluid and electrolyte balance in sheep. *Journal of Developmental Physiology*, **1992**, 18, 111-9		3
24	Parental mental health before and during pregnancy and offspring birth outcomes: A 20-year preconception cohort of maternal and paternal exposure. *EClinicalMedicine*, **2020**, 27, 100564	11.3	3
23	The association of maternal gestational hyperglycemia with breastfeeding duration and markers of milk production. *American Journal of Clinical Nutrition*, **2021**, 114, 1219-1228	7	3
22	Elevated Circulating and Placental SPINT2 Is Associated with Placental Dysfunction. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
21	The importance of infantsSlipid intake in human milk research. *Nutrition Reviews*, **2021**, 79, 1353-1361	6.4	3
20	No change in calreticulin with fetal growth restriction in human and rat pregnancies. *Placenta*, **2013**, 34, 1066-71	3.4	2
19	Reduced intestinal epithelial cell brush border membrane calcium transport in spontaneously hypertensive rats. *Journal of Hypertension*, **1999**, 17, 777-84	1.9	2
18	Endocrine responses of fetal sheep to prolonged hypoxemia with and without acidemia: relation to urine production. *American Journal of Physiology - Renal Physiology*, **1995**, 268, F868-75	4.3	2
17	Epigenetic mechanisms involved in intrauterine growth restriction and aberrant kidney development and function. *Journal of Developmental Origins of Health and Disease*, **2020**, 1-11	2.4	2
16	Daily variation of macronutrient concentrations in mature human milk over 3 weeks. *Scientific Reports*, **2021**, 11, 10224	4.9	2
15	Reduction in Maternal Energy Intake during Lactation Decreased Maternal Body Weight and Concentrations of Leptin, Insulin and Adiponectin in Human Milk without Affecting Milk Production, Milk Macronutrient Composition or Infant Growth. *Nutrients*, **2021**, 13,	6.7	2
14	Impact of Intrauterine Growth Restriction on the Capillarization of the Early Postnatal Rat Heart. *Anatomical Record*, **2019**, 302, 1580-1586	2.1	2
13	First report of active renin in rat amniotic fluid. *Clinical and Experimental Pharmacology and Physiology*, **2000**, 27, 631-3	3	1
12	Decreased urine production in the near-term fetal lamb after maternal ethanol infusion. *American Journal of Obstetrics and Gynecology*, **1987**, 156, 1273-4	6.4	1
11	The role of fetal urinary excretion in the transfer of ethanol into amniotic fluid after maternal administration of ethanol to the near-term pregnant ewe. *Canadian Journal of Physiology and Pharmacology*, **1987**, 65, 1120-4	2.4	1
10	The Fatty Acid Species and Quantity Consumed by the Breastfed Infant Are Important for Growth and Development. *Nutrients*, **2021**, 13,	6.7	1
9	Exercise alters cardiovascular and renal pregnancy adaptations in female rats born small on a high-fat diet. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 320, R404-R416	3.2	1

8	Periconceptional ethanol exposure induces a sex specific diuresis and increase in AQP2 and AVPR2 in the kidneys of aged rat offspring. *Physiological Reports*, **2019**, 7, e14273	2.6	1
7	Maternal exercise alters rat fetoplacental stress response: Minimal effects of maternal growth restriction and high-fat feeding. *Placenta*, **2021**, 104, 57-70	3.4	1
6	Fetal growth restriction shortens cardiac telomere length, but this is attenuated by exercise in early life. *Physiological Genomics*, **2018**, 50, 956-963	3.6	1
5	Delayed secretory activation and low milk production in women with gestational diabetes: a case series.. *BMC Pregnancy and Childbirth*, **2022**, 22, 350	3.2	1
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