Janna L Morrison

List of Publications by Citations

185 papers	8,664 citations	38 h-index	90 g-index
198 ext. papers	9,847 ext. citations	3.9 avg, IF	5.78 L-index

#	Paper	IF	Citations
185	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
184	Epigenetics and human obesity. *International Journal of Obesity*, **2015**, 39, 85-97	5.5	226
183	Sheep models of intrauterine growth restriction: fetal adaptations and consequences. *Clinical and Experimental Pharmacology and Physiology*, **2008**, 35, 730-43	3	192
182	Developmental origins of adult health and disease: the role of periconceptional and foetal nutrition. *Basic and Clinical Pharmacology and Toxicology*, **2008**, 102, 82-9	3.1	177
181	Placental adaptations in growth restriction. *Nutrients*, **2015**, 7, 360-89	6.7	137
180	Restriction of placental function alters heart development in the sheep fetus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 293, R306-13	3.2	134
179	Fetal growth restriction, catch-up growth and the early origins of insulin resistance and visceral obesity. *Pediatric Nephrology*, **2010**, 25, 669-77	3.2	129
178	Recent developments on the role of epigenetics in obesity and metabolic disease. *Clinical Epigenetics*, **2015**, 7, 66	7.7	112
177	Role of endogenous serotonin in modulating genioglossus muscle activity in awake and sleeping rats. *American Journal of Respiratory and Critical Care Medicine*, **2005**, 172, 1338-47	10.2	96
176	Periconceptional undernutrition in normal and overweight ewes leads to increased adrenal growth and epigenetic changes in adrenal IGF2/H19 gene in offspring. *FASEB Journal*, **2010**, 24, 2772-82	0.9	89
175	Differential effects of maternal obesity and weight loss in the periconceptional period on the epigenetic regulation of hepatic insulin-signaling pathways in the offspring. *FASEB Journal*, **2013**, 27, 3786-96	0.9	88
174	The early origins of obesity and insulin resistance: timing, programming and mechanisms. *International Journal of Obesity*, **2016**, 40, 229-38	5.5	87
173	Maternal sleep during pregnancy and poor fetal outcomes: A scoping review of the literature with meta-analysis. *Sleep Medicine Reviews*, **2018**, 41, 197-219	10.2	85
172	The early origins of later obesity: pathways and mechanisms. *Advances in Experimental Medicine and Biology*, **2009**, 646, 71-81	3.6	82
171	The transition from fetal growth restriction to accelerated postnatal growth: a potential role for insulin signalling in skeletal muscle. *Journal of Physiology*, **2009**, 587, 4199-211	3.9	82
170	Role of inhibitory amino acids in control of hypoglossal motor outflow to genioglossus muscle in naturally sleeping rats. *Journal of Physiology*, **2003**, 552, 975-91	3.9	82
169	Restriction of placental growth results in greater hypotensive response to alpha-adrenergic blockade in fetal sheep during late gestation. *Journal of Physiology*, **2005**, 563, 611-20	3.9	81

168	Impact of chronic hypoxemia on blood flow to the brain, heart, and adrenal gland in the late-gestation IUGR sheep fetus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R151-62	3.2	79
167	Improving pregnancy outcomes in humans through studies in sheep. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R1123-R1153	3.2	74
166	A review of fundamental principles for animal models of DOHaD research: an Australian perspective. *Journal of Developmental Origins of Health and Disease*, **2016**, 7, 449-472	2.4	72
165	Chronic hypoxemia in late gestation decreases cardiomyocyte number but does not change expression of hypoxia-responsive genes. *Journal of the American Heart Association*, **2014**, 3,	6	71
164	Intrauterine growth restriction delays surfactant protein maturation in the sheep fetus. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2010**, 298, L575-83	5.8	71
163	Effect of maternal fluoxetine administration on uterine blood flow, fetal blood gas status, and growth. *Pediatric Research*, **2002**, 51, 433-42	3.2	66
162	GABAA receptor antagonism at the hypoglossal motor nucleus increases genioglossus muscle activity in NREM but not REM sleep. *Journal of Physiology*, **2003**, 548, 569-83	3.9	65
161	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. *Journal of Physiology*, **2018**, 596, 5535-5569	3.9	62
160	Early origins of heart disease: low birth weight and determinants of cardiomyocyte endowment. *Clinical and Experimental Pharmacology and Physiology*, **2012**, 39, 814-23	3	59
159	Fetal growth restriction and the programming of heart growth and cardiac insulin-like growth factor 2 expression in the lamb. *Journal of Physiology*, **2011**, 589, 4709-22	3.9	59
158	Fluoxetine during pregnancy: impact on fetal development. *Reproduction, Fertility and Development* , **2005**, 17, 641-50	1.8	59
157	Intrauterine growth restriction and differential patterns of hepatic growth and expression of IGF1, PCK2, and HSDL1 mRNA in the sheep fetus in late gestation. *Biology of Reproduction*, **2009**, 80, 1121-7	3.9	57
156	Maternal undernutrition reduces P-glycoprotein in guinea pig placenta and developing brain in late gestation. *Reproductive Toxicology*, **2012**, 33, 374-81	3.4	56
155	Antenatal steroids and the IUGR fetus: are exposure and physiological effects on the lung and cardiovascular system the same as in normally grown fetuses?. *Journal of Pregnancy*, **2012**, 2012, 839656	2.5	49
154	Investigating Intracellular Localisation and Cytotoxicity Trends for Neutral and Cationic Iridium Tetrazolato Complexes in Live Cells. *Chemistry - A European Journal*, **2017**, 23, 15666-15679	4.8	46
153	Periconceptional nutrition and the early programming of a life of obesity or adversity. *Progress in Biophysics and Molecular Biology*, **2011**, 106, 307-14	4.7	46
152	Maternal obesity and the early origins of childhood obesity: weighing up the benefits and costs of maternal weight loss in the periconceptional period for the offspring. *Experimental Diabetes Research*, **2011**, 2011, 585749		46
151	Fetal behavioural state changes following maternal fluoxetine infusion in sheep. *Developmental Brain Research*, **2001**, 131, 47-56		44

150	Exposed or not exposed? Exploring exposure classification in studies using administrative data to investigate outcomes following medication use during pregnancy. *European Journal of Clinical Pharmacology*, **2012**, 68, 459-67	2.8	40
149	Neonatal outcomes after late-gestation exposure to selective serotonin reuptake inhibitors. *Journal of Clinical Psychopharmacology*, **2012**, 32, 615-21	1.7	39
148	Chronic maternal fluoxetine infusion in pregnant sheep: effects on the maternal and fetal hypothalamic-pituitary-adrenal axes. *Pediatric Research*, **2004**, 56, 40-6	3.2	38
147	Periconceptional undernutrition programs changes in insulin-signaling molecules and microRNAs in skeletal muscle in singleton and twin fetal sheep. *Biology of Reproduction*, **2014**, 90, 5	3.9	36
146	Glycine at hypoglossal motor nucleus: genioglossus activity, CO(2) responses, and the additive effects of GABA. *Journal of Applied Physiology*, **2002**, 93, 1786-96	3.7	36
145	Activation of IGF-2R stimulates cardiomyocyte hypertrophy in the late gestation sheep fetus. *Journal of Physiology*, **2012**, 590, 5425-37	3.9	33
144	Alteration of cardiac glucose metabolism in association to low birth weight: experimental evidence in lambs with left ventricular hypertrophy. *Metabolism: Clinical and Experimental*, **2013**, 62, 1662-72	12.7	32
143	Rosiglitazone increases the expression of peroxisome proliferator-activated receptor-gamma target genes in adipose tissue, liver, and skeletal muscle in the sheep fetus in late gestation. *Endocrinology*, **2009**, 150, 4287-94	4.8	32
142	Impact of embryo number and maternal undernutrition around the time of conception on insulin signaling and gluconeogenic factors and microRNAs in the liver of fetal sheep. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 306, E1013-24	6	31
141	Prenatal antidepressant exposure and child behavioural outcomes at 7 years of age: a study within the Danish National Birth Cohort. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2016**, 123, 1919-1928	3.7	31
140	Suppression of genioglossus muscle tone and activity during reflex hypercapnic stimulation by GABA(A) mechanisms at the hypoglossal motor nucleus in vivo. *Neuroscience*, **2003**, 116, 249-59	3.9	30
139	Fetal hemodynamics and cardiac streaming assessed by 4D flow cardiovascular magnetic resonance in fetal sheep. *Journal of Cardiovascular Magnetic Resonance*, **2019**, 21, 8	6.9	29
138	Regulation of fetal lung development in response to maternal overnutrition. *Clinical and Experimental Pharmacology and Physiology*, **2013**, 40, 803-16	3	28
137	The fetal sheep lung does not respond to cortisol infusion during the late canalicular phase of development. *Physiological Reports*, **2013**, 1, e00130	2.6	28
136	Cardiorespiratory consequences of intrauterine growth restriction: Influence of timing, severity and duration of hypoxaemia. *Theriogenology*, **2020**, 150, 84-95	2.8	27
135	Intrafetal glucose infusion alters glucocorticoid signaling and reduces surfactant protein mRNA expression in the lung of the late-gestation sheep fetus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R538-45	3.2	27
134	No evidence for an enhanced role of endothelial nitric oxide in the maintenance of arterial blood pressure in the IUGR sheep fetus. *Placenta*, **2009**, 30, 705-10	3.4	27
133	Investigating outcomes following the use of selective serotonin reuptake inhibitors for treating depression in pregnancy: a focus on methodological issues. *Drug Safety*, **2011**, 34, 1027-48	5.1	26

132	Early restriction of placental growth results in placental structural and gene expression changes in late gestation independent of fetal hypoxemia. *Physiological Reports*, **2016**, 4, e13049	2.6	26
131	The periconceptional environment and cardiovascular disease: does in vitro embryo culture and transfer influence cardiovascular development and health?. *Nutrients*, **2015**, 7, 1378-425	6.7	25
130	Increased lung prolyl hydroxylase and decreased glucocorticoid receptor are related to decreased surfactant protein in the growth-restricted sheep fetus. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L84-97	5.8	24
129	Differential effects of exposure to maternal obesity or maternal weight loss during the periconceptional period in the sheep on insulin signalling molecules in skeletal muscle of the offspring at 4 months of age. *PLoS ONE*, **2013**, 8, e84594	3.7	24
128	IGF-2R-Gi signaling and cardiac hypertrophy in the low-birth-weight lamb. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R627-35	3.2	23
127	Embryo number and periconceptional undernutrition in the sheep have differential effects on adrenal epigenotype, growth, and development. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 307, E141-50	6	23
126	Long term impact of prenatal exposure to SSRIs on growth and body weight in childhood: evidence from animal and human studies. *Reproductive Toxicology*, **2012**, 34, 101-9	3.4	23
125	Mitochondrial imaging in live or fixed tissues using a luminescent iridium complex. *Scientific Reports* , **2018**, 8, 8191	4.9	23
124	Impact and mechanisms of fetal physiological programming. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R11-5	3.2	22
123	The role of miRNA regulation in fetal cardiomyocytes, cardiac maturation and the risk of heart disease in adults. *Journal of Physiology*, **2018**, 596, 5625-5640	3.9	22
122	Feasibility of detecting myocardial infarction in the sheep fetus using late gadolinium enhancement CMR imaging. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 69	6.9	21
121	IUGR decreases cardiomyocyte endowment and alters cardiac metabolism in a sex- and cause-of-IUGR-specific manner. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R48-R67	3.2	21
120	Investigating outcomes associated with medication use during pregnancy: a review of methodological challenges and observational study designs. *Reproductive Toxicology*, **2012**, 33, 280-9	3.4	21
119	Maternal obesity mediated predisposition to respiratory complications at birth and in later life: understanding the implications of the obesogenic intrauterine environment. *Paediatric Respiratory Reviews*, **2017**, 21, 11-18	4.8	21
118	Maternal undernutrition alters fat cell size distribution, but not lipogenic gene expression, in the visceral fat of the late gestation guinea pig fetus. *Placenta*, **2010**, 31, 902-9	3.4	21
117	Second-harmonic generation and two-photon-excited autofluorescence microscopy of cardiomyocytes: quantification of cell volume and myosin filaments. *Journal of Biomedical Optics*, **2008**, 13, 064018	3.5	21
116	Low birth weight activates the renin-angiotensin system, but limits cardiac angiogenesis in early postnatal life. *Physiological Reports*, **2015**, 3, e12270	2.6	20
115	Structural and molecular regulation of lung maturation by intratracheal vascular endothelial growth factor administration in the normally grown and placentally restricted fetus. *Journal of Physiology*, **2016**, 594, 1399-420	3.9	20

114	Prenatal exposure to selective serotonin reuptake inhibitors and childhood overweight at 7 years of age. *Annals of Epidemiology*, **2013**, 23, 681-7	6.4	20
113	IGF-2R-mediated signaling results in hypertrophy of cultured cardiomyocytes from fetal sheep. *Biology of Reproduction*, **2012**, 86, 183	3.9	20
112	The effects of Sleep promoting agents Son behavioural state in the ovine fetus. *Developmental Brain Research*, **1997**, 103, 1-8		20
111	Normal human and sheep fetal vessel oxygen saturations by T2 magnetic resonance imaging. *Journal of Physiology*, **2020**, 598, 3259-3281	3.9	19
110	Considerations in selecting postoperative analgesia for pregnant sheep following fetal instrumentation surgery. *Animal Frontiers*, **2019**, 9, 60-67	5.5	19
109	Evolution, Development, and Function of the Pulmonary Surfactant System in Normal and Perturbed Environments. *Comprehensive Physiology*, **2015**, 6, 363-422	7.7	19
108	Maternal obesity or weight loss around conception impacts hepatic fatty acid metabolism in the offspring. *Obesity*, **2014**, 22, 1685-93	8	19
107	Maternal undernutrition around the time of conception and embryo number each impact on the abundance of key regulators of cardiac growth and metabolism in the fetal sheep heart. *Journal of Developmental Origins of Health and Disease*, **2013**, 4, 377-90	2.4	18
106	Maternal undernutrition in late gestation increases IGF2 signalling molecules and collagen deposition in the right ventricle of the fetal sheep heart. *Journal of Physiology*, **2018**, 596, 2345-2358	3.9	17
105	Maternal Nutrient Restriction Alters Ca2+ Handling Properties and Contractile Function of Isolated Left Ventricle Bundles in Male But Not Female Juvenile Rats. *PLoS ONE*, **2015**, 10, e0138388	3.7	17
104	Prenatal exposure to selective serotonin reuptake inhibitors and risk of childhood overweight. *Journal of Developmental Origins of Health and Disease*, **2012**, 3, 253-61	2.4	17
103	Systematic review: Impact of resveratrol exposure during pregnancy on maternal and fetal outcomes in animal models of human pregnancy complications-Are we ready for the clinic?. *Pharmacological Research*, **2019**, 144, 264-278	10.2	16
102	Feasibility of phase-contrast cine magnetic resonance imaging for measuring blood flow in the sheep fetus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2019**, 317, R780-R792	3.2	16
101	Early origins of heart disease: low birth weight and the role of the insulin-like growth factor system in cardiac hypertrophy. *Clinical and Experimental Pharmacology and Physiology*, **2012**, 39, 958-64	3	16
100	Dietary restriction in the periconceptional period in normal-weight or obese ewes results in increased abundance of angiotensin-converting enzyme (ACE) and angiotensin type 1 receptor (AT1R) in the absence of changes in ACE or AT1R methylation in the adrenal of the offspring. *Reproduction*, **2013**, 146, 443-54	3.8	16
99	Maternal dietary restriction during the periconceptional period in normal-weight or obese ewes results in adrenocortical hypertrophy, an up-regulation of the JAK/STAT and down-regulation of the IGF1R signaling pathways in the adrenal of the postnatal lamb. *Endocrinology*, **2013**, 154, 4650-62	4.8	16
98	Prenatal development of the pulmonary surfactant system and the influence of hypoxia. *Respiratory Physiology and Neurobiology*, **2011**, 178, 129-45	2.8	16
97	Akt signaling as a mediator of cardiac adaptation to low birth weight. *Journal of Endocrinology*, **2017**, 233, R81-R94	4.7	15

96	Antenatal glucocorticoid treatment of the growth-restricted fetus: benefit or cost?. *Reproductive Sciences*, **2009**, 16, 527-38	3	15
95	Regulation of microRNA during cardiomyocyte maturation in sheep. *BMC Genomics*, **2015**, 16, 541	4.5	14
94	Regulation of lung maturation by prolyl hydroxylase domain inhibition in the lung of the normally grown and placentally restricted fetus in late gestation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R1226-43	3.2	14
93	Development of an experimental model of maternal allergic asthma during pregnancy. *Journal of Physiology*, **2016**, 594, 1311-25	3.9	14
92	Adverse Intrauterine Environment and Cardiac miRNA Expression. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	14
91	Maternal fluoxetine infusion does not alter fetal endocrine and biophysical circadian rhythms in pregnant sheep. *Journal of the Society for Gynecologic Investigation*, **2005**, 12, 356-64		14
90	Maternal chronic hypoxia increases expression of genes regulating lung liquid movement and surfactant maturation in male fetuses in late gestation. *Journal of Physiology*, **2017**, 595, 4329-4350	3.9	13
89	Mature Surfactant Protein-B Expression by Immunohistochemistry as a Marker for Surfactant System Development in the Fetal Sheep Lung. *Journal of Histochemistry and Cytochemistry*, **2015**, 63, 866-78	3.4	13
88	Subcutaneous maternal resveratrol treatment increases uterine artery blood flow in the pregnant ewe and increases fetal but not cardiac growth. *Journal of Physiology*, **2019**, 597, 5063-5077	3.9	13
87	Exposure to rosiglitazone, a PPAR-□agonist, in late gestation reduces the abundance of factors regulating cardiac metabolism and cardiomyocyte size in the sheep fetus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R429-37	3.2	13
86	Chronic hypoxaemia as a molecular regulator of fetal lung development: implications for risk of respiratory complications at birth. *Paediatric Respiratory Reviews*, **2017**, 21, 3-10	4.8	13
85	Changes in cardiac troponins with gestational age explain changes in cardiac muscle contractility in the sheep fetus. *Journal of Applied Physiology*, **2011**, 111, 236-43	3.7	13
84	Let's Talk about Placental Sex, Baby: Understanding Mechanisms That Drive Female- and Male-Specific Fetal Growth and Developmental Outcomes. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	13
83	Effect of periconceptional nutrition on the growth, behaviour and survival of the neonatal lamb. *Animal Reproduction Science*, **2015**, 160, 12-22	2.1	12
82	Differential effects of late gestation maternal overnutrition on the regulation of surfactant maturation in fetal and postnatal life. *Journal of Physiology*, **2017**, 595, 6635-6652	3.9	12
81	Simple HPLC method for determination of rosiglitazone in sheep plasma and amniotic fluid and its application in a pregnant sheep model. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 55, 360-5	3.5	12
80	Differential Response to Injury in Fetal and Adolescent Sheep Hearts in the Immediate Post-myocardial Infarction Period. *Frontiers in Physiology*, **2019**, 10, 208	4.6	11
79	Impact of periconceptional and preimplantation undernutrition on factors regulating myogenesis and protein synthesis in muscle of singleton and twin fetal sheep. *Physiological Reports*, **2015**, 3, e12495	2.6	11

78	Risk of Respiratory Distress Syndrome and Efficacy of Glucocorticoids: Are They the Same in the Normally Grown and Growth-Restricted Infant?. *Reproductive Sciences*, **2016**, 23, 1459-1472	3	11
77	Modifying Maternal Sleep Position in Late Pregnancy Through Positional Therapy: A Feasibility Study. *Journal of Clinical Sleep Medicine*, **2018**, 14, 1387-1397	3.1	11
76	Intrauterine growth restriction may reduce hepatic drug metabolism in the early neonatal period. *Pharmacological Research*, **2018**, 134, 68-78	10.2	10
75	Impact of embryo number and periconceptional undernutrition on factors regulating adipogenesis, lipogenesis, and metabolism in adipose tissue in the sheep fetus. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E931-41	6	10
74	Hospital Pharmacy Dispensing Records for Pharmacoepidemiology Research into Late Gestation Exposure to Antidepressants. *Journal of Pharmacy Practice and Research*, **2010**, 40, 265-268	0.7	10
73	Impact of maternal undernutrition around the time of conception on factors regulating hepatic lipid metabolism and microRNAs in singleton and twin fetuses. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 310, E148-59	6	9
72	Impact of maternal overnutrition on gluconeogenic factors and methylation of the phosphoenolpyruvate carboxykinase promoter in the fetal and postnatal liver. *Pediatric Research*, **2014**, 75, 14-21	3.2	9
71	Fetal Growth Restriction and Hypertension in the Offspring: Mechanistic Links and Therapeutic Directions. *Journal of Pediatrics*, **2020**, 224, 115-123.e2	3.6	9
70	Maternal allergic asthma during pregnancy alters fetal lung and immune development in sheep: potential mechanisms for programming asthma and allergy. *Journal of Physiology*, **2019**, 597, 4251-4262	3.9	8
69	Normalisation of surfactant protein -A and -B expression in the lungs of low birth weight lambs by 21 days old. *PLoS ONE*, **2017**, 12, e0181185	3.7	8
68	Does poor fetal growth influence the extent of fetal exposure to maternal medications?. *Pharmacological Research*, **2018**, 130, 74-84	10.2	8
67	Effects of Maternal Hypoxia during Pregnancy on Bone Development in Offspring: A Guinea Pig Model. *International Journal of Endocrinology*, **2014**, 2014, 916918	2.7	8
66	Methodological challenges in using routinely collected health data to investigate long-term effects of medication use during pregnancy. *Therapeutic Advances in Drug Safety*, **2013**, 4, 27-37	3.5	8
65	Maternal undernutrition during the first week after conception results in decreased expression of glucocorticoid receptor mRNA in the absence of GR exon 17 hypermethylation in the fetal pituitary in late gestation. *Journal of Developmental Origins of Health and Disease*, **2013**, 4, 391-401	2.4	8
64	Cerebral blood flow during spontaneous and cholinergically induced behavioral states in the sheep fetus. *Pediatric Research*, **2005**, 57, 667-73	3.2	8
63	Feasibility of ventricular volumetry by cardiovascular MRI to assess cardiac function in the fetal sheep. *Journal of Physiology*, **2020**, 598, 2557-2573	3.9	8
62	Antidepressant Use in Late Gestation and Breastfeeding Rates at Discharge from Hospital. *Journal of Human Lactation*, **2017**, 33, 701-709	2.6	7
61	Contractile and Ca2+-handling properties of the right ventricular papillary muscle in the late-gestation sheep fetus. *Journal of Applied Physiology*, **2006**, 101, 728-33	3.7	7

60	Bright lights down under: Metal ion complexes turning the spotlight on metabolic processes at the cellular level. *Coordination Chemistry Reviews*, **2018**, 375, 234-255	23.2	7
59	Label-free imaging of redox status and collagen deposition showing metabolic differences in the heart. *Journal of Biophotonics*, **2018**, 11, e201700242	3.1	6
58	Placental glucocorticoid receptor isoforms in a sheep model of maternal allergic asthma. *Placenta*, **2019**, 83, 33-36	3.4	6
57	Gene expression allelic imbalance in ovine brown adipose tissue impacts energy homeostasis. *PLoS ONE*, **2017**, 12, e0180378	3.7	6
56	Limited fetal metabolism of rosiglitazone: Elimination via the maternal compartment in the pregnant ewe. *Reproductive Toxicology*, **2016**, 61, 162-8	3.4	6
55	Methamphetamine administration increases hepatic CYP1A2 but not CYP3A activity in female guinea pigs. *PLoS ONE*, **2020**, 15, e0233010	3.7	5
54	Fetal cardiovascular response to acute hypoxia during maternal anesthesia. *Physiological Reports*, **2020**, 8, e14365	2.6	5
53	Label-free imaging of healthy and infarcted fetal sheep hearts by two-photon microscopy. *Journal of Biophotonics*, **2018**, 11, e201600296	3.1	5
52	The effect of placental restriction on insulin signaling and lipogenic pathways in omental adipose tissue in the postnatal lamb. *Journal of Developmental Origins of Health and Disease*, **2013**, 4, 421-9	2.4	5
51	Conception and Beyond: Using Population-Based Record Linkage to Monitor Long-Term Effects of Medications Used During Pregnancy. *Journal of Pharmacy Practice and Research*, **2010**, 40, 46-49	0.7	5
50	Technique for comprehensive fetal hepatic blood flow assessment in sheep using 4D flow MRI. *Journal of Physiology*, **2020**, 598, 3555-3567	3.9	4
49	Detecting metabolic differences in fetal and adult sheep adipose and skeletal muscle tissues. *Journal of Biophotonics*, **2020**, 13, e201960085	3.1	4
48	Development of a method to determine cytochrome P450 1A2, 2C9, 2D6 and 3A4 activity sheep hepatic microsomes. *Journal of Pharmacological and Toxicological Methods*, **2020**, 106, 106934	1.7	4
47	An MRI approach to assess placental function in healthy humans and sheep. *Journal of Physiology*, **2021**, 599, 2573-2602	3.9	4
46	Identification of Novel miRNAs Involved in Cardiac Repair Following Infarction in Fetal and Adolescent Sheep Hearts. *Frontiers in Physiology*, **2020**, 11, 614	4.6	3
45	Gas Exchange across the Placenta **2020**, 34-56		3
44	Antidepressant use and gestational hypertension: does evidence support causality?. *British Journal of Clinical Pharmacology*, **2013**, 75, 1373-4	3.8	3
43	The reliance on adrenergic receptor stimuli for blood pressure regulation in the chronically hypoxaemic fetus is not dependent on post-ganglionic activation. *Journal of Physiology*, **2021**, 599, 1307-1318	3.9	3

42	Increased Alveolar Heparan Sulphate and Reduced Pulmonary Surfactant Amount and Function in the Mucopolysaccharidosis IIIA Mouse. *Cells*, **2021**, 10,	7.9	3
41	In utero substrate restriction by placental insufficiency or maternal undernutrition decreases optical redox ratio in foetal perirenal fat. *Journal of Biophotonics*, **2021**, 14, e202000322	3.1	3
40	Magnetic resonance imaging of placentome development in the pregnant Ewe. *Placenta*, **2021**, 105, 61-69	3.4	3
39	Identification of placental androgen receptor isoforms in a sheep model of maternal allergic asthma. *Placenta*, **2021**, 104, 232-235	3.4	3
38	The Development of the Pulmonary Surfactant System **2014**, 183-209		2
37	Intrauterine growth restriction alters the activity of drug metabolising enzymes in the maternal-placental-fetal unit. *Life Sciences*, **2021**, 285, 120016	6.8	2
36	Umbilical vein infusion of prostaglandin I increases ductus venosus shunting of oxygen-rich blood but does not increase cerebral oxygen delivery in the fetal sheep. *Journal of Physiology*, **2020**, 598, 4957-4967	3.9	2
35	Achieving sustained extrauterine life: Challenges of an artificial placenta in fetal pigs as a model of the preterm human fetus. *Physiological Reports*, **2021**, 9, e14742	2.6	2
34	Neutral Re(I) Complex Platform for Live Intracellular Imaging. *Inorganic Chemistry*, **2021**, 60, 10173-10185	5.1	2
33	Seeing the fetus from a DOHaD perspective: discussion paper from the advanced imaging techniques of DOHaD applications workshop held at the 2019 DOHaD World Congress. *Journal of Developmental Origins of Health and Disease*, **2021**, 12, 153-167	2.4	2
32	COVID-19: can we treat the mother without harming her baby?. *Journal of Developmental Origins of Health and Disease*, **2021**, 1-11	2.4	2
31	PPARactivation in late gestation does not promote surfactant maturation in the fetal sheep lung. *Journal of Developmental Origins of Health and Disease*, **2021**, 1-12	2.4	2
30	Impact of resveratrol-mediated increase in uterine artery blood flow on fetal haemodynamics, blood pressure and oxygenation in sheep. *Experimental Physiology*, **2021**, 106, 1166-1180	2.4	2
29	Differential gene responses 3 days following infarction in the fetal and adolescent sheep heart. *Physiological Genomics*, **2020**, 52, 143-159	3.6	1
28	The impact of maternal asthma during pregnancy on offspring retinal microvascular structure and its relationship to placental growth factor production in utero. *Microcirculation*, **2020**, 27, e12622	2.9	1
27	Arginine vasopressin improves cerebral perfusion following controlled haemorrhage in adult ewes. *Journal of Physiology*, **2019**, 597, 4165-4173	3.9	1
26	Effect of Environment and Aging on the Pulmonary Surfactant System **2014**, 447-469		1
25	Long-term effects of prenatal SSRI exposure on child growth: weighing the evidence. *American Journal of Psychiatry*, **2013**, 170, 1364	11.9	1

24	The Australian Early Origins of Hypertension Workshop: A celebration of the scientific contributions made by Emeritus Scientia Professor Eugenie R Lumbers AM and Professor Caroline McMillen. *Journal of Developmental Origins of Health and Disease*, **2013**, 4, 325-327	2.4	1
23	The impact of intrauterine growth restriction on cytochrome P450 enzyme expression and activity. *Placenta*, **2020**, 99, 50-62	3.4	1
22	Redox ratio in the left ventricle of the growth restricted fetus is positively correlated with cardiac output. *Journal of Biophotonics*, **2021**, 14, e202100157	3.1	1
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