Michael Edward Symonds

List of Publications by Year in Descending Order

191 papers	6,010 citations	44 h-index	69 g-index
552 ext. papers	6,878 ext. citations	4 avg, IF	6 L-index

#	Paper	IF	Citations
191	Cold Exposure Drives Weight Gain and Adiposity following Chronic Suppression of Brown Adipose Tissue.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
190	A comparison of the impact of exercise training with dietary intervention versus dietary intervention alone on insulin resistance and glucose regulation in individual with overweight or obesity: a systemic review and meta-analysis.. *Critical Reviews in Food Science and Nutrition*, **2022**, 1-15	11.5	0
189	Association of Personality Traits with Dietary Habits and Food/Taste Preferences. *International Journal of Preventive Medicine*, **2021**, 12, 92	1.6	
188	Effect of Liothyronine Treatment on Dermal Temperature and Activation of Brown Adipose Tissue in Female Hypothyroid Patients: A Randomized Crossover Study. *Frontiers in Endocrinology*, **2021**, 12, 785175	5.7	2
187	Impact of acute exercise on immediate and following early post-exercise FGF-21 concentration in adults: systematic review and meta-analysis. *Hormones*, **2021**, 20, 23-33	3.1	7
186	Association of serum and follicular fluid leptin and in vitro Fertilization/ ICSI outcome: A systematic review and meta-analysis. *Journal of Gynecology Obstetrics and Human Reproduction*, **2021**, 50, 101924	1.9	0
185	Reduced brown adipose tissue-associated skin temperature following cold stimulation in children and adolescents with type 1 diabetes. *Pediatric Diabetes*, **2021**, 22, 407-416	3.6	3
184	Semi-automated analysis of supraclavicular thermal images increases speed of brown adipose tissue analysis without increasing variation in results. *Current Research in Physiology*, **2021**, 4, 177-182	1.8	0
183	The impact of exercise training versus caloric restriction on inflammation markers: a systemic review and meta-analysis. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-16	11.5	9
182	The impact of high intensity interval training on liver fat content in overweight or obese adults: A meta-analysis. *Physiology and Behavior*, **2021**, 236, 113416	3.5	2
181	Adipose tissue growth and development: the modulating role of ambient temperature. *Journal of Endocrinology*, **2021**, 248, R19-R28	4.7	5
180	Food insecurity and mental health: a systematic review and meta-analysis. *Public Health Nutrition*, **2020**, 23, 1778-1790	3.3	67
179	The impact of high-intensity interval training on inflammatory markers in metabolic disorders: A meta-analysis. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 2020-2036	4.6	14
178	Exercise Training in Obese Rats Does Not Induce Browning at Thermoneutrality and Induces a Muscle-Like Signature in Brown Adipose Tissue. *Frontiers in Endocrinology*, **2020**, 11, 97	5.7	11
177	The effects of metformin administration on liver enzymes and body composition in non-diabetic patients with non-alcoholic fatty liver disease and/or non-alcoholic steatohepatitis: An up-to date systematic review and meta-analysis of randomized controlled trials. *Pharmacological Research*, **2020**, 159, 104799	10.2	15
176	Inguinal White Adipocytes Differentiate to Alveolar Epithelial Cells that Constitute Mammary Cells in Pregnant Rats. *FASEB Journal*, **2020**, 34, 1-1	0.9	
175	Efficacy of insulin targeted gene therapy for type 1 diabetes mellitus: A systematic review and meta-analysis of rodent studies. *Iranian Journal of Basic Medical Sciences*, **2020**, 23, 406-415	1.8	

174	Differential ontogeny of adipose tissue development and the impact of maternal dietary supplementation on gene expression pathways and profiles.. *FASEB Journal*, **2020**, 34, 1-1	0.9	
173	Targeting Glutamine Synthesis Inhibits Stem Cell Adipogenesis in Vitro. *Cellular Physiology and Biochemistry*, **2020**, 54, 917-927	3.9	3
172	Origins of Adipose Tissue and Adipose Regulating Hormones **2020**, 663-672		
171	Obesity/Perinatal Origins of Obesity **2020**, 891-911		
170	Beneficial effects of l-carnitine supplementation for weight management in overweight and obese adults: An updated systematic review and dose-response meta-analysis of randomized controlled trials. *Pharmacological Research*, **2020**, 151, 104554	10.2	16
169	Sleep duration and sarcopenia risk: a systematic review and dose-response meta-analysis. *Sleep and Breathing*, **2020**, 24, 1267-1278	3.1	8
168	Cold-induced beigeing of stem cell-derived adipocytes is not fully reversible after return to normothermia. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 11434-11444	5.6	2
167	Effect of Bariatric Surgery on the Circulating Level of Adiponectin, Chemerin, Plasminogen Activator Inhibitor-1, Leptin, Resistin, and Visfatin: A Systematic Review and Meta-Analysis. *Hormone and Metabolic Research*, **2020**, 52, 207-215	3.1	18
166	The Impact of Moderate-Intensity Continuous or High-Intensity Interval Training on Adipogenesis and Browning of Subcutaneous Adipose Tissue in Obese Male Rats. *Nutrients*, **2020**, 12,	6.7	18
165	Policosanol supplementation significantly improves blood pressure among adults: A systematic review and meta-analysis of randomized controlled trials. *Complementary Therapies in Medicine*, **2019**, 45, 89-97	3.5	4
164	Caffeine exposure induces browning features in adipose tissue in vitro and in vivo. *Scientific Reports* , **2019**, 9, 9104	4.9	35
163	Effects of pro-/synbiotic supplementation on anthropometric and metabolic indices in overweight or obese children and adolescents: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, **2019**, 44, 269-276	3.5	18
162	Interscapular and Perivascular Brown Adipose Tissue Respond Differently to a Short-Term High-Fat Diet. *Nutrients*, **2019**, 11,	6.7	7
161	Housing Temperature Modulates the Impact of Diet-Induced Rise in Fat Mass on Adipose Tissue Before and During Pregnancy in Rats. *Frontiers in Physiology*, **2019**, 10, 209	4.6	3
160	Sexual Dimorphism of Brown Adipose Tissue Function. *Journal of Pediatrics*, **2019**, 210, 166-172.e1	3.6	8
159	Infrared Thermography. *Handbook of Experimental Pharmacology*, **2019**, 251, 259-282	3.2	8
158	Live Simultaneous Monitoring of Mineral Deposition and Lipid Accumulation in Differentiating Stem Cells. *Biomimetics*, **2019**, 4,	3.7	4
157	Efficacy of l-carnitine supplementation for management of blood lipids: A systematic review and dose-response meta-analysis of randomized controlled trials. *Nutrition, Metabolism and Cardiovascular Diseases*, **2019**, 29, 1151-1167	4.5	20

156	Uncoupling protein (UCP)1 and exercise induced 'browning' of white adipose tissue is absent at thermoneutrality. *FASEB Journal*, **2019**, 33, 699.6	0.9	
155	Stem Cell-Based Modelling of Brown Adipogenesis Using Hypothermal Conditions. *FASEB Journal*, **2019**, 33, 705.1	0.9	
154	The Supraclavicular Skin Temperature Response to Mild Cold Stimulation is Dependent on Ambient Temperature **2019**, 1-5		
153	The Role of Nutraceuticals in the Placental Growth, Development and Function **2019**, 39-55		
152	Effects of strawberry supplementation on cardiovascular risk factors: a comprehensive systematic review and meta-analysis of randomized controlled trials. *Food and Function*, **2019**, 10, 6987-6998	6.1	10
151	Brown Adipose Tissue Response to Cold Stimulation Is Reduced in Girls With Autoimmune Hypothyroidism. *Journal of the Endocrine Society*, **2019**, 3, 2411-2426	0.4	8
150	Brown adipose tissue and glucose homeostasis - the link between climate change and the global rise in obesity and diabetes. *Adipocyte*, **2019**, 8, 46-50	3.2	11
149	Low temperature exposure induces browning of bone marrow stem cell derived adipocytes in vitro. *Scientific Reports*, **2018**, 8, 4974	4.9	23
148	Thermal Imaging Is a Noninvasive Alternative to PET/CT for Measurement of Brown Adipose Tissue Activity in Humans. *Journal of Nuclear Medicine*, **2018**, 59, 516-522	8.9	39
147	High Fructose Intake During Pregnancy in Rats Influences the Maternal Microbiome and Gut Development in the Offspring. *Frontiers in Genetics*, **2018**, 9, 203	4.5	17
146	Physiological Regulation of Brown Adipose Tissue with Obesity by Mild-Cold Exposure, a β-Agonist and Exercise Training at Thermoneutrality. *FASEB Journal*, **2018**, 32, 670.20	0.9	
145	Exposure to a reduced ambient temperature induces browning of bone marrow derived adipocytes in vitro. *FASEB Journal*, **2018**, 32, 615.12	0.9	
144	Impact of housing temperature on the adaptation of brown adipose tissue to pregnancy in lean and obese rats. *FASEB Journal*, **2018**, 32, 774.3	0.9	
143	Exercise-induced 'browning' of adipose tissues. *Metabolism: Clinical and Experimental*, **2018**, 81, 63-70	12.7	82
142	The use of infrared thermography in the measurement and characterization of brown adipose tissue activation. *Temperature*, **2018**, 5, 147-161	5.2	25
141	The Impact of Maternal Pre-Pregnancy Body Weight and Gestational Diabetes on Markers of Folate Metabolism in the Placenta. *Nutrients*, **2018**, 10,	6.7	5
140	Comprehensive literature search for animal studies may have saved STRIDER trial. *BMJ, The*, **2018**, 362, k4007	5.9	6
139	The effects of silymarin supplementation on metabolic status and oxidative stress in patients with type 2 diabetes mellitus: A systematic review and meta-analysis of clinical trials. *Complementary Therapies in Medicine*, **2018**, 41, 311-319	3.5	19

138	Recent advances in our understanding of brown and beige adipose tissue: the good fat that keeps you healthy. *F1000Research*, **2018**, 7,	3.6	16
137	Brown adipose tissue development and function and its impact on reproduction. *Journal of Endocrinology*, **2018**, 238, R53-R62	4.7	15
136	Tissue cell stress response to obesity and its interaction with late gestation diet. *Reproduction, Fertility and Development*, **2018**, 30, 430-441	1.8	1
135	Transcriptional analysis of adipose tissue during development reveals depot-specific responsiveness to maternal dietary supplementation. *Scientific Reports*, **2018**, 8, 9628	4.9	6
134	Glucocorticoids modulate human brown adipose tissue thermogenesis in vivo. *Metabolism: Clinical and Experimental*, **2017**, 70, 125-132	12.7	37
133	Ontogeny and Thermogenic Role for Sternal Fat in Female Sheep. *Endocrinology*, **2017**, 158, 2212-2225	4.8	12
132	Beyond obesity - thermogenic adipocytes and cardiometabolic health. *Hormone Molecular Biology and Clinical Investigation*, **2017**, 31,	1.3	4
131	The Placenta, Maternal Diet and Adipose Tissue Development in the Newborn. *Annals of Nutrition and Metabolism*, **2017**, 70, 232-235	4.5	16
130	'Browning' the cardiac and peri-vascular adipose tissues to modulate cardiovascular risk. *International Journal of Cardiology*, **2017**, 228, 265-274	3.2	75
129	Lifetime Exposure to a Constant Environment Amplifies the Impact of a Fructose-Rich Diet on Glucose Homeostasis during Pregnancy. *Nutrients*, **2017**, 9,	6.7	3
128	Pregnancy and Infants' Outcome: Nutritional and Metabolic Implications. *Critical Reviews in Food Science and Nutrition*, **2016**, 56, 82-91	11.5	50
127	Adipocyte Browning and Higher Mitochondrial Function in Periadrenal But Not SC Fat in Pheochromocytoma. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 4440-4448	5.6	30
126	Is a reduction in brown adipose thermogenesis responsible for the change in core body temperature at menopause?. *Cardiovascular Endocrinology*, **2016**, 5, 155-156		
125	Maternal Body Weight and Gestational Diabetes Differentially Influence Placental and Pregnancy Outcomes. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 59-68	5.6	68
124	Gene pathway development in human epicardial adipose tissue during early life. *JCI Insight*, **2016**, 1, e87460	9.1	16
123	Brown adipose tissue activation as measured by infrared thermography by mild anticipatory psychological stress in lean healthy females. *Experimental Physiology*, **2016**, 101, 549-57	2.4	36
122	High fructose consumption in pregnancy alters the perinatal environment without increasing metabolic disease in the offspring. *Reproduction, Fertility and Development*, **2016**, 28, 2007-2015	1.8	10
121	Glucagon increases energy expenditure independently of brown adipose tissue activation in humans. *Diabetes, Obesity and Metabolism*, **2016**, 18, 72-81	6.7	81

120	Effect of pre- and postnatal growth and post-weaning activity on glucose metabolism in the offspring. *Journal of Endocrinology*, **2015**, 224, 171-82	4.7	18
119	The Ontogeny of Brown Adipose Tissue. *Annual Review of Nutrition*, **2015**, 35, 295-320	9.9	56
118	Nutrient availability, the microbiome, and intestinal transport during pregnancy. *Applied Physiology, Nutrition and Metabolism*, **2015**, 40, 1100-6	3	20
117	Getting rhythm: how do babies do it?. *Archives of Disease in Childhood: Fetal and Neonatal Edition*, **2015**, 100, F50-4	4.7	31
116	Suboptimal maternal nutrition during early-to-mid gestation in the sheep enhances pericardial adiposity in the near-term fetus. *Reproduction, Fertility and Development*, **2015**, 27, 1205-12	1.8	10
115	Maternal health and eating habits: metabolic consequences and impact on child health. *Trends in Molecular Medicine*, **2015**, 21, 126-33	11.5	28
114	Sexual dimorphism in white and brown adipose tissue with obesity and inflammation. *Hormones and Behavior*, **2014**, 66, 95-103	3.7	63
113	The developmental transition of ovine adipose tissue through early life. *Acta Physiologica*, **2014**, 210, 20-30	5.6	53
112	Impact of maternal dietary fat supplementation during gestation upon skeletal muscle in neonatal pigs. *BMC Physiology*, **2014**, 14, 6	0	8
111	An evolving scientific basis for the prevention and treatment of pediatric obesity. *International Journal of Obesity*, **2014**, 38, 887-905	5.5	73
110	UCP1 is present in porcine adipose tissue and is responsive to postnatal leptin. *Journal of Endocrinology*, **2014**, 223, M31-8	4.7	10
109	Body mass index as a determinant of brown adipose tissue function in healthy children. *Journal of Pediatrics*, **2014**, 164, 318-22.e1	3.6	40
108	Ethnicity and its effects on brown adipose tissue. *Lancet Diabetes and Endocrinology,the*, **2014**, 2, 185-6	18.1	1
107	The influence of sex steroids on adipose tissue growth and function. *Hormone Molecular Biology and Clinical Investigation*, **2014**, 19, 13-24	1.3	30
106	Public-private collaboration in clinical research during pregnancy, lactation, and childhood: joint position statement of the Early Nutrition Academy and the European Society for Pediatric Gastroenterology, Hepatology, and Nutrition. *Journal of Pediatric Gastroenterology and Nutrition*, **2014**, 58, 525-30	2.8	9
105	Brown adipose tissue thermal activity is influenced by season in healthy children (1160.1). *FASEB Journal*, **2014**, 28, 1160.1	0.9	
104	The developmental transition of epicardial, paracardial and omental adipose tissue during early life in the sheep (1160.7). *FASEB Journal*, **2014**, 28, 1160.7	0.9	
103	Epigenetics and obesity: a relationship waiting to be explained. *Human Heredity*, **2013**, 75, 90-7	1.1	21

102	Suboptimal maternal nutrition affects offspring health in adult life. *Early Human Development*, **2013**, 89, 909-13	2.2	24
101	Brown adipose tissue: a new human organ?. *Expert Review of Endocrinology and Metabolism*, **2013**, 8, 123-125	4.1	
100	Anatomical locations of human brown adipose tissue: functional relevance and implications in obesity and type 2 diabetes. *Diabetes*, **2013**, 62, 1783-90	0.9	172
99	The placental exposome: placental determinants of fetal adiposity and postnatal body composition. *Annals of Nutrition and Metabolism*, **2013**, 63, 208-15	4.5	56
98	Excess nutrient supply in early life and its later metabolic consequences. *Clinical and Experimental Pharmacology and Physiology*, **2013**, 40, 817-23	3	29
97	Brown adipose tissue genes in pericardial adipose tissue of newborn sheep are downregulated by maternal nutrient restriction in late gestation. *Pediatric Research*, **2013**, 74, 246-51	3.2	20
96	Sex differences in metabolic and adipose tissue responses to juvenile-onset obesity in sheep. *Endocrinology*, **2013**, 154, 3622-31	4.8	17
95	Adult epicardial fat exhibits beige features. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, E1448-55	5.6	112
94	Brown adipose tissue growth and development. *Scientifica*, **2013**, 2013, 305763	2.6	78
93	Early life nutritional programming of obesity: mother-child cohort studies. *Annals of Nutrition and Metabolism*, **2013**, 62, 137-45	4.5	66
92	Prevalence and pattern of brown adipose tissue distribution of 18F-FDG in patients undergoing PET-CT in a subtropical climatic zone. *Nuclear Medicine Communications*, **2013**, 34, 168-74	1.6	32
91	Thermal imaging to assess age-related changes of skin temperature within the supraclavicular region co-locating with brown adipose tissue in healthy children. *Journal of Pediatrics*, **2012**, 161, 892-8	3.6	120
90	Reduced neonatal mortality in Meishan piglets: a role for hepatic fatty acids?. *PLoS ONE*, **2012**, 7, e49101	3.7	10
89	Adipose tissue and fetal programming. *Diabetologia*, **2012**, 55, 1597-606	10.3	103
88	Adipose tissue development during early life: novel insights into energy balance from small and large mammals. *Proceedings of the Nutrition Society*, **2012**, 71, 363-70	2.9	34
87	The influence of sex on early stage markers of kidney dysfunction in response to juvenile obesity. *Hypertension*, **2012**, 60, 991-7	8.5	16
86	How promising is thermal imaging in the quest to combat obesity?. *Imaging in Medicine*, **2012**, 4, 589-591	1	6
85	Homocysteine and folate plasma concentrations in mother and baby at delivery after pre-eclamptic or normotensive pregnancy: Influence of parity. *Pregnancy Hypertension*, **2011**, 1, 150-5	2.6	2

84	Adipose tissue development--impact of the early life environment. *Progress in Biophysics and Molecular Biology*, **2011**, 106, 300-6	4.7	31
83	The early programming of metabolic health: is epigenetic setting the missing link?. *American Journal of Clinical Nutrition*, **2011**, 94, 1953S-1958S	7	91
82	The obesity epidemic: from the environment to epigenetics - not simply a response to dietary manipulation in a thermoneutral environment. *Frontiers in Genetics*, **2011**, 2, 24	4.5	26
81	Programming research: where are we and where do we go from here?. *American Journal of Clinical Nutrition*, **2011**, 94, 2036S-2043S	7	41
80	Set points, settling points and some alternative models: theoretical options to understand how genes and environments combine to regulate body adiposity. *DMM Disease Models and Mechanisms*, **2011**, 4, 733-45	4.1	206
79	Epigenomics - Grand Challenge: Much more than the Developmental Origins of Adult Health and Disease. *Frontiers in Genetics*, **2010**, 1, 1	4.5	3
78	Metabolic imprinting, programming and epigenetics - a review of present priorities and future opportunities. *British Journal of Nutrition*, **2010**, 104 Suppl 1, S1-25	3.6	94
77	Dangers of dieting: what advice should be given to obese expectant mothers?. *Expert Review of Obstetrics and Gynecology*, **2010**, 5, 39-47		2
76	Differential expression and distribution of placental glutathione peroxidases 1, 3 and 4 in normal and preeclamptic pregnancy. *Placenta*, **2010**, 31, 401-8	3.4	63
75	Maternal nutrient restriction during pregnancy differentially alters the unfolded protein response in adipose and renal tissue of obese juvenile offspring. *FASEB Journal*, **2009**, 23, 1314-24	0.9	43
74	Brown adipose tissue and seasonal variation in humans. *Diabetes*, **2009**, 58, 2583-7	0.9	199
73	Early determinants of cardiovascular disease: the role of early diet in later blood pressure control. *American Journal of Clinical Nutrition*, **2009**, 89, 1518S-1522S	7	22
72	Adipose tissue inflammation: developmental ontogeny and consequences of gestational nutrient restriction in offspring. *Endocrinology*, **2009**, 150, 3913-20	4.8	26
71	Maternal nutrient restriction during early fetal kidney development attenuates the renal innate inflammatory response in obese young adult offspring. *American Journal of Physiology - Renal Physiology*, **2009**, 297, F1199-207	4.3	16
70	Impact of early onset obesity and hypertension on the unfolded protein response in renal tissues of juvenile sheep. *Hypertension*, **2009**, 53, 925-31	8.5	17
69	Mathematical modeling of glucose homeostasis and its relationship with energy balance and body fat. *Obesity*, **2009**, 17, 632-9	8	13
68	Nutritional programming of the metabolic syndrome. *Nature Reviews Endocrinology*, **2009**, 5, 604-10	15.2	267
67	Nutritional models of the developmental programming of adult health and disease. *Proceedings of the Nutrition Society*, **2009**, 68, 173-8	2.9	35

66	Early programming of adipose tissue function: a large-animal perspective. *Proceedings of the Nutrition Society*, **2009**, 68, 393-400	2.9	31
65	The impact of diet during early life and its contribution to later disease: critical checkpoints in development and their long-term consequences for metabolic health. *Proceedings of the Nutrition Society*, **2009**, 68, 416-21	2.9	42
64	Conference on "Multidisciplinary approaches to nutritional problems". Symposium on "Diabetes and health". Nutrition and its contribution to obesity and diabetes: a life-course approach to disease prevention?. *Proceedings of the Nutrition Society*, **2009**, 68, 71-7	2.9	14
63	Tissue specific adaptations to nutrient supply: more than just epigenetics?. *Advances in Experimental Medicine and Biology*, **2009**, 646, 113-8	3.6	7
62	Differential effects of thyroid hormone manipulation and beta adrenoceptor agonist administration on uncoupling protein mRNA abundance in adipose tissue and thermoregulation in neonatal pigs. *Organogenesis*, **2008**, 4, 182-7	1.7	1
61	Early developmental influences on hepatic organogenesis. *Organogenesis*, **2008**, 4, 170-5	1.7	30
60	Reduced selenium concentrations and glutathione peroxidase activity in preeclamptic pregnancies. *Hypertension*, **2008**, 52, 881-8	8.5	149
59	The effect of increased maternal dietary intake during pregnancy on offspring birth weight and neonatal survival. *Proceedings of the Nutrition Society*, **2008**, 67,	2.9	2
58	Effects of maternal parity and late gestational nutrition on mRNA abundance for growth factors in the liver of postnatal sheep. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 292, R1934-42	3.2	9
57	Hypertension and impaired renal function accompany juvenile obesity: the effect of prenatal diet. *Kidney International*, **2007**, 72, 279-89	9.9	44
56	Ontogeny and nutritional programming of the hepatic growth hormone-insulin-like growth factor-prolactin axis in the sheep. *Endocrinology*, **2007**, 148, 4754-60	4.8	30
55	Long-term effects of nutritional programming of the embryo and fetus: mechanisms and critical windows. *Reproduction, Fertility and Development*, **2007**, 19, 53-63	1.8	146
54	Maternal nutrient restriction in early pregnancy programs hepatic mRNA expression of growth-related genes and liver size in adult male sheep. *Journal of Endocrinology*, **2007**, 192, 87-97	4.7	40
53	Integration of physiological and molecular mechanisms of the developmental origins of adult disease: new concepts and insights. *Proceedings of the Nutrition Society*, **2007**, 66, 442-50	2.9	38
52	Maternal nutrient restriction is not equivalent to maternal biological stress. *Current Drug Targets*, **2007**, 8, 888-93	3	12
51	Nutritional Programming of Foetal Development: Endocrine Mediators and Long-Term Outcomes for Cardiovascular Health. *Current Nutrition and Food Science*, **2006**, 2, 389-398	0.7	5
50	Influence of porcine genotype on the abundance of thyroid hormones and leptin in sow milk and its impact on growth, metabolism and expression of key adipose tissue genes in offspring. *Journal of Endocrinology*, **2006**, 190, 631-9	4.7	21
49	Effect of periconceptional undernutrition and gender on hypothalamic-pituitary-adrenal axis function in young adult sheep. *Journal of Endocrinology*, **2006**, 190, 203-12	4.7	69

48	Maternal nutrient restriction alters renal development and blood pressure regulation of the offspring. *Proceedings of the Nutrition Society*, **2006**, 65, 116-24	2.9	32
47	Experimental evidence for early nutritional programming of later health in animals. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2006**, 9, 278-83	3.8	31
46	Influence of maternal pre-pregnancy body composition and diet during early-mid pregnancy on cardiovascular function and nephron number in juvenile sheep. *British Journal of Nutrition*, **2005**, 94, 938-47	3.6	88
45	Ontogeny and nutritional programming of uncoupling protein-2 and glucocorticoid receptor mRNA in the ovine lung. *Journal of Physiology*, **2005**, 565, 159-69	3.9	39
44	Maternal nutritional programming of fetal adipose tissue development: long-term consequences for later obesity. *Birth Defects Research Part C: Embryo Today Reviews*, **2005**, 75, 193-9		66
43	Influence of size at birth on the endocrine profiles and expression of uncoupling proteins in subcutaneous adipose tissue, lung, and muscle of neonatal pigs. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R1536-42	3.2	28
42	Ontogeny and nutritional programming of adiposity in sheep: potential role of glucocorticoid action and uncoupling protein-2. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R1407-15	3.2	81
41	Leptin, fetal nutrition, and long-term outcomes for adult hypertension. *Endothelium: Journal of Endothelial Cell Research*, **2005**, 12, 73-9		10
40	Nutritional manipulation of fetal adipose tissue deposition and uncoupling protein 1 messenger RNA abundance in the sheep: differential effects of timing and duration. *Biology of Reproduction*, **2004**, 71, 359-65	3.9	55
39	Peri-implantation undernutrition programs blunted angiotensin II evoked baroreflex responses in young adult sheep. *Hypertension*, **2004**, 43, 1290-6	8.5	130
38	Ontogeny and nutritional manipulation of the hepatic prolactin-growth hormone-insulin-like growth factor axis in the ovine fetus and in neonate and juvenile sheep. *Proceedings of the Nutrition Society*, **2004**, 63, 127-35	2.9	23
37	Timing of nutrient restriction and programming of fetal adipose tissue development. *Proceedings of the Nutrition Society*, **2004**, 63, 397-403	2.9	92
36	Differential effects of age and sex on the postnatal responsiveness of brown adipose tissue to prolactin administration in rats. *Experimental Physiology*, **2003**, 88, 527-31	2.4	10
35	Influence of cortisol on adipose tissue development in the fetal sheep during late gestation. *Journal of Endocrinology*, **2003**, 176, 23-30	4.7	59
34	Differential Effects of Fetal Number and Maternal Nutrition in Late Gestation on Prolactin Receptor Abundance and Adipose Tissue Development in the Neonatal Lamb. *Pediatric Research*, **2003**, 53, 302-308	3.2	30
33	Differential effects of fetal number and maternal nutrition in late gestation on prolactin receptor abundance and adipose tissue development in the neonatal lamb. *Pediatric Research*, **2003**, 53, 302-8	3.2	7
32	Differential effects of leptin on thermoregulation and uncoupling protein abundance in the neonatal lamb. *FASEB Journal*, **2002**, 16, 1438-40	0.9	33
31	Ambient temperature, maternal dexamethasone, and postnatal ontogeny of leptin in the neonatal lamb. *Pediatric Research*, **2002**, 52, 85-90	3.2	37

30	Circulating leptin concentrations are positively related to leptin messenger RNA expression in the adipose tissue of fetal sheep in the pregnant ewe fed at or below maintenance energy requirements during late gestation. *Biology of Reproduction*, **2002**, 67, 911-6	3.9	53
29	Prenatal undernutrition, glucocorticoids and the programming of adult hypertension. *Clinical and Experimental Pharmacology and Physiology*, **2001**, 28, 938-41	3	60
28	Fetal and neonatal adipose maturation: a primary site of cytokine and cytokine-receptor action. *Biochemical Society Transactions*, **2001**, 29, 80-5	5.1	4
27	Maternal nutrient restriction during early to mid gestation alters the relationship between insulin-like growth factor I and bodyweight at term in fetal sheep. *Reproduction, Fertility and Development*, **2000**, 12, 345-50	1.8	17
26	Influence of thyrotropin-releasing hormone administration at birth on thermoregulation in lambs delivered by cesarean. *American Journal of Obstetrics and Gynecology*, **2000**, 183, 1257-62	6.4	10
25	Maternal nutrition alters the expression of insulin-like growth factors in fetal sheep liver and skeletal muscle. *Journal of Endocrinology*, **2000**, 167, 429-37	4.7	97
24	Effect of maternal nutrition on brown adipose tissue and its prolactin receptor status in the fetal lamb. *Pediatric Research*, **2000**, 47, 781-6	3.2	60
23	Influence of Thyrotrophin-Releasing Hormone on Thermoregulatory Adaptation after Birth in Near-Term Lambs Delivered by Caesarean Section. *Experimental Physiology*, **1999**, 84, 979-987	2.4	2
22	The Influence of Acute Hypoxia and Carotid Body Denervation on Thermoregulation During Non-Rapid Eye Movement Sleep in the Developing Lamb. *Experimental Physiology*, **1999**, 84, 1115-1126	2.4	2
21	Prolactin receptor gene expression and foetal adipose tissue. *Journal of Neuroendocrinology*, **1998**, 10, 885-90	3.8	67
20	Effects of increasing gestation, cortisol and maternal undernutrition on hypothalamic neuropeptide Y expression in the sheep fetus. *Journal of Neuroendocrinology*, **1998**, 10, 51-7	3.8	55
19	Maternal nutrition in early-mid gestation and placental size in sheep. *British Journal of Nutrition*, **1998**, 79, 359-64	3.6	76
18	Influence of thyrotrophin-releasing hormone on thermoregulation in newborn lambs. *Neonatology*, **1998**, 73, 52-9	4	11
17	Beta2-agonist ritodrine, unlike natural catecholamines, activates thermogenesis prematurely in fetal sheep. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1998**, 275, R112-9	3.2	9
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