Clare M Reynolds

List of Publications by Year in Descending Order

70 papers	2,491 citations	26 h-index	49 g-index
77 ext. papers	3,020 ext. citations	4.1 avg, IF	5.26 L-index

#	Paper	IF	Citations
70	Maternal intake of fructose or artificial sweetener during pregnancy and lactation has persistent effects on metabolic and reproductive health of dams post-weaning.. *Journal of Developmental Origins of Health and Disease*, **2022**, 1-8	2.4	0
69	Metabolic Hormone Profiles in Breast Milk From Mothers of Moderate-Late Preterm Infants Are Associated With Growth From Birth to 4 Months in a Sex-Specific Manner. *Frontiers in Nutrition*, **2021**, 8, 641227	6.2	0
68	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
67	Preterm human milk: associations between perinatal factors and hormone concentrations throughout lactation. *Pediatric Research*, **2021**, 89, 1461-1469	3.2	2
66	Interleukin-1 Receptor-1 Deficiency Impairs Metabolic Function in Pregnant and Non-Pregnant Female Mice. *Molecular Nutrition and Food Research*, **2021**, 65, e1900770	5.9	1
65	Impact of Maternal Intake of Artificial Sweetener, Acesulfame-K, on Metabolic and Reproductive Health Outcomes in Male and Female Mouse Offspring.. *Frontiers in Nutrition*, **2021**, 8, 745203	6.2	
64	Interleukin 1 Receptor 1 Knockout and Maternal High Fat Diet Exposure Induces Sex-Specific Effects on Adipose Tissue Adipogenic and Inflammatory Gene Expression in Adult Mouse Offspring. *Frontiers in Physiology*, **2020**, 11, 601	4.6	0
63	Sexually Dimorphic Associations between Maternal Factors and Human Milk Hormonal Concentrations. *Nutrients*, **2020**, 12,	6.7	10
62	Consumption of the Artificial Sweetener Acesulfame Potassium throughout Pregnancy Induces Glucose Intolerance and Adipose Tissue Dysfunction in Mice. *Journal of Nutrition*, **2020**, 150, 1773-1781	4.1	6
61	Long-term effects of a maternal high-fat: high-fructose diet on offspring growth and metabolism and impact of maternal taurine supplementation. *Journal of Developmental Origins of Health and Disease*, **2020**, 11, 419-426	2.4	3
60	The effects of myo-inositol and probiotic supplementation in a high-fat-fed preclinical model of glucose intolerance in pregnancy. *British Journal of Nutrition*, **2020**, 123, 516-528	3.6	5
59	Growth Factor Concentrations in Human Milk Are Associated With Infant Weight and BMI From Birth to 5 Years. *Frontiers in Nutrition*, **2020**, 7, 110	6.2	13
58	Cyclic glycine-proline normalizes systolic blood pressure in high-fat diet-induced obese male rats. *Nutrition, Metabolism and Cardiovascular Diseases*, **2020**, 30, 339-346	4.5	5
57	Feasibility of Standardized Human Milk Collection in Neonatal Care Units. *Scientific Reports*, **2019**, 9, 14343	4.9	5
56	Maternal undernutrition results in altered renal pro-inflammatory gene expression concomitant with hypertension in adult male offspring that is ameliorated following pre-weaning growth hormone treatment. *Journal of Developmental Origins of Health and Disease*, **2019**, 10, 459-468	2.4	1
55	Preclinical Models of Altered Early Life Nutrition and Development of Reproductive Disorders in Female Offspring. *Advances in Experimental Medicine and Biology*, **2019**, 1134, 59-87	3.6	2
54	Nutritional Supplementation for the Prevention and/or Treatment of Gestational Diabetes Mellitus. *Current Diabetes Reports*, **2019**, 19, 73	5.6	20

53	Early Life Developmental Programming of the GH/IGF Axis and Long-Term Health. *Healthy Ageing and Longevity*, **2019**, 67-86	0.5	
52	The role of adipokines in developmental programming: evidence from animal models. *Journal of Endocrinology*, **2019**, 242, T81-T94	4.7	5
51	Utility of Small Animal Models of Developmental Programming. *Methods in Molecular Biology*, **2018**, 1735, 145-163	1.4	9
50	Maternal High-Fat and High-Salt Diets Have Differential Programming Effects on Metabolism in Adult Male Rat Offspring. *Frontiers in Nutrition*, **2018**, 5, 1	6.2	60
49	The Pathophysiology of Gestational Diabetes Mellitus. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	362
48	Sex-Specific Human Milk Composition: The Role of Infant Sex in Determining Early Life Nutrition. *Nutrients*, **2018**, 10,	6.7	48
47	Early-Life Nutrition, Epigenetics, and Altered Energy Balance Later in Life **2018**, 213-227		
46	The impact of maternal obesity on inflammatory processes and consequences for later offspring health outcomes. *Journal of Developmental Origins of Health and Disease*, **2017**, 8, 529-540	2.4	29
45	Post-weaning high-fat diet results in growth cartilage lesions in young male rats. *PLoS ONE*, **2017**, 12, e0188411	3.7	7
44	Fish oil supplementation to rats fed high-fat diet during pregnancy prevents development of impaired insulin sensitivity in male adult offspring. *Scientific Reports*, **2017**, 7, 5595	4.9	19
43	Conjugated Linoleic Acid Supplementation Improves Maternal High Fat Diet-Induced Programming of Metabolic Dysfunction in Adult Male Rat Offspring. *Scientific Reports*, **2017**, 7, 6663	4.9	19
42	Manipulation of the Growth Hormone-Insulin-Like Growth Factor (GH-IGF) Axis: A Treatment Strategy to Reverse the Effects of Early Life Developmental Programming. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	13
41	Experimental Models of Maternal Obesity and Neuroendocrine Programming of Metabolic Disorders in Offspring. *Frontiers in Endocrinology*, **2017**, 8, 245	5.7	21
40	Maternal-fetal hepatic and placental metabolome profiles are associated with reduced fetal growth in a rat model of maternal obesity. *Metabolomics*, **2016**, 12, 1	4.7	4
39	Maternal High Fat Diet Alters Skeletal Muscle Mitochondrial Catalytic Activity in Adult Male Rat Offspring. *Frontiers in Physiology*, **2016**, 7, 546	4.6	22
38	Oxidized fish oil in rat pregnancy causes high newborn mortality and increases maternal insulin resistance. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 311, R497-504	3.2	16
37	Maternal supplementation with conjugated linoleic acid in the setting of diet-induced obesity normalises the inflammatory phenotype in mothers and reverses metabolic dysfunction and impaired insulin sensitivity in offspring. *Journal of Nutritional Biochemistry*, **2015**, 26, 1448-57	6.3	29
36	Preweaning GH Treatment Normalizes Body Growth Trajectory and Reverses Metabolic Dysregulation in Adult Offspring After Maternal Undernutrition. *Endocrinology*, **2015**, 156, 3228-38	4.8	11

35	Magnesium sulfate has sex-specific, dose-dependent vasodilator effects on preterm placental vessels. *Biology of Sex Differences*, **2015**, 6, 22	9.3	3
34	Maternal high fat and/or salt consumption induces sex-specific inflammatory and nutrient transport in the rat placenta. *Physiological Reports*, **2015**, 3, e12399	2.6	49
33	Maternal salt and fat intake causes hypertension and sustained endothelial dysfunction in fetal, weanling and adult male resistance vessels. *Scientific Reports*, **2015**, 5, 9753	4.9	23
32	Early Life Nutrition and Energy Balance Disorders in Offspring in Later Life. *Nutrients*, **2015**, 7, 8090-111	6.7	64
31	Maternal high-fat diet-induced programing of gut taste receptor and inflammatory gene expression in rat offspring is ameliorated by CLA supplementation. *Physiological Reports*, **2015**, 3, e12588	2.6	11
30	Developmental Programming of Nonalcoholic Fatty Liver Disease: The Effect of Early Life Nutrition on Susceptibility and Disease Severity in Later Life. *BioMed Research International*, **2015**, 2015, 437107	3	32
29	Maternal taurine supplementation attenuates maternal fructose-induced metabolic and inflammatory dysregulation and partially reverses adverse metabolic programming in offspring. *Journal of Nutritional Biochemistry*, **2015**, 26, 267-76	6.3	22
28	Conjugated linoleic Acid supplementation during pregnancy and lactation reduces maternal high-fat-diet-induced programming of early-onset puberty and hyperlipidemia in female rat offspring. *Biology of Reproduction*, **2015**, 92, 40	3.9	20
27	Monounsaturated fatty acid-enriched high-fat diets impede adipose NLRP3 inflammasome-mediated IL-1 secretion and insulin resistance despite obesity. *Diabetes*, **2015**, 64, 2116-28	8.9	182
26	A maternal high fat diet programmes endothelial function and cardiovascular status in adult male offspring independent of body weight, which is reversed by maternal conjugated linoleic acid (CLA) supplementation. *PLoS ONE*, **2015**, 10, e0115994	3.7	36
25	Let-7 miRNA profiles are associated with the reversal of left ventricular hypertrophy and hypertension in adult male offspring from mothers undernourished during pregnancy after preweaning growth hormone treatment. *Endocrinology*, **2014**, 155, 4808-17	4.8	24
24	Conjugated linoleic acid suppresses dendritic cell activation and subsequent Th17 responses. *Journal of Nutritional Biochemistry*, **2014**, 25, 741-9	6.3	25
23	Maternal obesity, inflammation, and developmental programming. *BioMed Research International*, **2014**, 2014, 418975	3	128
22	High fat and/or high salt intake during pregnancy alters maternal meta-inflammation and offspring growth and metabolic profiles. *Physiological Reports*, **2014**, 2, e12110	2.6	35
21	Early-life growth hormone treatment to offspring of undernourished mothers alters metabolic parameters in primary adipocytes in adulthood. *Growth Factors*, **2014**, 32, 34-40	1.6	6
20	Macrophage migration inhibitory factor deficiency ameliorates high-fat diet induced insulin resistance in mice with reduced adipose inflammation and hepatic steatosis. *PLoS ONE*, **2014**, 9, e113369	3.7	29
19	Divergent effects of a CLA-enriched beef diet on metabolic health in ApoE-/- and ob/ob mice. *Journal of Nutritional Biochemistry*, **2013**, 24, 401-11	6.3	7
18	Network analysis of adipose tissue gene expression highlights altered metabolic and regulatory transcriptomic activity in high-fat-diet-fed IL-1RI knockout mice. *Journal of Nutritional Biochemistry*, **2013**, 24, 788-95	6.3	13

17	Preweaning growth hormone treatment ameliorates adipose tissue insulin resistance and inflammation in adult male offspring following maternal undernutrition. *Endocrinology*, **2013**, 154, 2676-86	4.8	28
16	Long-term exposure to a high-fat diet results in the development of glucose intolerance and insulin resistance in interleukin-1 receptor I-deficient mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E834-44	6	22
15	Timing of maternal exposure to a high fat diet and development of obesity and hyperinsulinemia in male rat offspring: same metabolic phenotype, different developmental pathways?. *Journal of Nutrition and Metabolism*, **2013**, 2013, 517384	2.7	34
14	Effects of taurine supplementation on hepatic markers of inflammation and lipid metabolism in mothers and offspring in the setting of maternal obesity. *PLoS ONE*, **2013**, 8, e76961	3.7	46
13	Pre-weaning growth hormone treatment reverses hypertension and endothelial dysfunction in adult male offspring of mothers undernourished during pregnancy. *PLoS ONE*, **2013**, 8, e53505	3.7	40
12	Pre-weaning growth hormone treatment ameliorates bone marrow macrophage inflammation in adult male rat offspring following maternal undernutrition. *PLoS ONE*, **2013**, 8, e68262	3.7	24
11	Docosahexaenoic acid attenuates macrophage-induced inflammation and improves insulin sensitivity in adipocytes-specific differential effects between LC n-3 PUFA. *Journal of Nutritional Biochemistry*, **2012**, 23, 1192-200	6.3	104
10	Inter-organ proteomic analysis reveals insights into the molecular mechanisms underlying the anti-diabetic effects of cis-9, trans-11-conjugated linoleic acid in ob/ob mice. *Proteomics*, **2012**, 12, 461-76	4.8	15
9	Dietary saturated fatty acids prime the NLRP3 inflammasome via TLR4 in dendritic cells-implications for diet-induced insulin resistance. *Molecular Nutrition and Food Research*, **2012**, 56, 1212-22	5.9	121
8	Insights into the role of macrophage migration inhibitory factor in obesity and insulin resistance. *Proceedings of the Nutrition Society*, **2012**, 71, 622-33	2.9	52
7	Omega-3 fatty acids attenuate dendritic cell function via NF-B independent of PPAR *Journal of Nutritional Biochemistry*, **2011**, 22, 784-90	6.3	68
6	Fats, inflammation and insulin resistance: insights to the role of macrophage and T-cell accumulation in adipose tissue. *Proceedings of the Nutrition Society*, **2011**, 70, 408-17	2.9	168
5	Lack of interleukin-1 receptor I (IL-1RI) protects mice from high-fat diet-induced adipose tissue inflammation coincident with improved glucose homeostasis. *Diabetes*, **2011**, 60, 1688-98	0.9	147
4	Conjugated linoleic acid and inflammatory cell signalling. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2010**, 82, 199-204	2.8	80
3	Bi-directional gene set enrichment and canonical correlation analysis identify key diet-sensitive pathways and biomarkers of metabolic syndrome. *BMC Bioinformatics*, **2010**, 11, 499	3.6	16
2	A conjugated linoleic acid-enriched beef diet attenuates lipopolysaccharide-induced inflammation in mice in part through PPARgamma-mediated suppression of toll-like receptor 4. *Journal of Nutrition*, **2009**, 139, 2351-7	4.1	31
1	Cis-9, trans-11-conjugated linoleic acid but not its precursor trans-vaccenic acid attenuate inflammatory markers in the human colonic epithelial cell line Caco-2. *British Journal of Nutrition*, **2008**, 100, 13-7	3.6	37