

Clare M Reynolds

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The Pathophysiology of Gestational Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	362
69	Monounsaturated fatty acid-enriched high-fat diets impede adipose NLRP3 inflammasome-mediated IL-1 β secretion and insulin resistance despite obesity. <i>Diabetes</i> , 2015 , 64, 2116-28	8.9	182
68	Fats, inflammation and insulin resistance: insights to the role of macrophage and T-cell accumulation in adipose tissue. <i>Proceedings of the Nutrition Society</i> , 2011 , 70, 408-17	2.9	168
67	Lack of interleukin-1 receptor I (IL-1RI) protects mice from high-fat diet-induced adipose tissue inflammation coincident with improved glucose homeostasis. <i>Diabetes</i> , 2011 , 60, 1688-98	0.9	147
66	Maternal obesity, inflammation, and developmental programming. <i>BioMed Research International</i> , 2014 , 2014, 418975	3	128
65	Dietary saturated fatty acids prime the NLRP3 inflammasome via TLR4 in dendritic cells-implications for diet-induced insulin resistance. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1212-22	5.9	121
64	Docosahexaenoic acid attenuates macrophage-induced inflammation and improves insulin sensitivity in adipocytes-specific differential effects between LC n-3 PUFA. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 1192-200	6.3	104
63	Conjugated linoleic acid and inflammatory cell signalling. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010 , 82, 199-204	2.8	80
62	Omega-3 fatty acids attenuate dendritic cell function via NF- κ B independent of PPAR γ <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 784-90	6.3	68
61	Early Life Nutrition and Energy Balance Disorders in Offspring in Later Life. <i>Nutrients</i> , 2015 , 7, 8090-111	6.7	64
60	Maternal High-Fat and High-Salt Diets Have Differential Programming Effects on Metabolism in Adult Male Rat Offspring. <i>Frontiers in Nutrition</i> , 2018 , 5, 1	6.2	60
59	Insights into the role of macrophage migration inhibitory factor in obesity and insulin resistance. <i>Proceedings of the Nutrition Society</i> , 2012 , 71, 622-33	2.9	52
58	Maternal high fat and/or salt consumption induces sex-specific inflammatory and nutrient transport in the rat placenta. <i>Physiological Reports</i> , 2015 , 3, e12399	2.6	49
57	Sex-Specific Human Milk Composition: The Role of Infant Sex in Determining Early Life Nutrition. <i>Nutrients</i> , 2018 , 10,	6.7	48
56	Effects of taurine supplementation on hepatic markers of inflammation and lipid metabolism in mothers and offspring in the setting of maternal obesity. <i>PLoS ONE</i> , 2013 , 8, e76961	3.7	46
55	Pre-weaning growth hormone treatment reverses hypertension and endothelial dysfunction in adult male offspring of mothers undernourished during pregnancy. <i>PLoS ONE</i> , 2013 , 8, e53505	3.7	40
54	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. <i>British Journal of Nutrition</i> , 2008 , 100, 13-7	3.6	37

53	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. <i>PLoS ONE</i> , 2015 , 10, e0115994	3.7	36
52	High fat and/or high salt intake during pregnancy alters maternal meta-inflammation and offspring growth and metabolic profiles. <i>Physiological Reports</i> , 2014 , 2, e12110	2.6	35
51	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?. <i>Journal of Nutrition and Metabolism</i> , 2013 , 2013, 517384	2.7	34
50	Developmental Programming of Nonalcoholic Fatty Liver Disease: The Effect of Early Life Nutrition on Susceptibility and Disease Severity in Later Life. <i>BioMed Research International</i> , 2015 , 2015, 437107	3	32
49	A conjugated linoleic acid-enriched beef diet attenuates lipopolysaccharide-induced inflammation in mice in part through PPARgamma-mediated suppression of toll-like receptor 4. <i>Journal of Nutrition</i> , 2009 , 139, 2351-7	4.1	31
48	The impact of maternal obesity on inflammatory processes and consequences for later offspring health outcomes. <i>Journal of Developmental Origins of Health and Disease</i> , 2017 , 8, 529-540	2.4	29
47	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. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 1448-57	6.3	29
46	Macrophage migration inhibitory factor deficiency ameliorates high-fat diet induced insulin resistance in mice with reduced adipose inflammation and hepatic steatosis. <i>PLoS ONE</i> , 2014 , 9, e113369	3.7	29
45	Prewaning growth hormone treatment ameliorates adipose tissue insulin resistance and inflammation in adult male offspring following maternal undernutrition. <i>Endocrinology</i> , 2013 , 154, 2676-86	4.8	28
44	Conjugated linoleic acid suppresses dendritic cell activation and subsequent Th17 responses. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 741-9	6.3	25
43	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. <i>Endocrinology</i> , 2014 , 155, 4808-17	4.8	24
42	Pre-weaning growth hormone treatment ameliorates bone marrow macrophage inflammation in adult male rat offspring following maternal undernutrition. <i>PLoS ONE</i> , 2013 , 8, e68262	3.7	24
41	Maternal salt and fat intake causes hypertension and sustained endothelial dysfunction in fetal, weanling and adult male resistance vessels. <i>Scientific Reports</i> , 2015 , 5, 9753	4.9	23
40	Maternal taurine supplementation attenuates maternal fructose-induced metabolic and inflammatory dysregulation and partially reverses adverse metabolic programming in offspring. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 267-76	6.3	22
39	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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E834-44	6	22
38	Maternal High Fat Diet Alters Skeletal Muscle Mitochondrial Catalytic Activity in Adult Male Rat Offspring. <i>Frontiers in Physiology</i> , 2016 , 7, 546	4.6	22
37	Experimental Models of Maternal Obesity and Neuroendocrine Programming of Metabolic Disorders in Offspring. <i>Frontiers in Endocrinology</i> , 2017 , 8, 245	5.7	21
36	Nutritional Supplementation for the Prevention and/or Treatment of Gestational Diabetes Mellitus. <i>Current Diabetes Reports</i> , 2019 , 19, 73	5.6	20

35	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. <i>Biology of Reproduction</i> , 2015 , 92, 40	3.9	20
34	Fish oil supplementation to rats fed high-fat diet during pregnancy prevents development of impaired insulin sensitivity in male adult offspring. <i>Scientific Reports</i> , 2017 , 7, 5595	4.9	19
33	Conjugated Linoleic Acid Supplementation Improves Maternal High Fat Diet-Induced Programming of Metabolic Dysfunction in Adult Male Rat Offspring. <i>Scientific Reports</i> , 2017 , 7, 6663	4.9	19
32	Bi-directional gene set enrichment and canonical correlation analysis identify key diet-sensitive pathways and biomarkers of metabolic syndrome. <i>BMC Bioinformatics</i> , 2010 , 11, 499	3.6	16
31	Oxidized fish oil in rat pregnancy causes high newborn mortality and increases maternal insulin resistance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 311, R497-504	3.2	16
30	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. <i>Proteomics</i> , 2012 , 12, 461-76	4.8	15
29	Network analysis of adipose tissue gene expression highlights altered metabolic and regulatory transcriptomic activity in high-fat-diet-fed IL-1RI knockout mice. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 788-95	6.3	13
28	Manipulation of the Growth Hormone-Insulin-Like Growth Factor (GH-IGF) Axis: A Treatment Strategy to Reverse the Effects of Early Life Developmental Programming. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	13
27	Growth Factor Concentrations in Human Milk Are Associated With Infant Weight and BMI From Birth to 5 Years. <i>Frontiers in Nutrition</i> , 2020 , 7, 110	6.2	13
26	Prewaning GH Treatment Normalizes Body Growth Trajectory and Reverses Metabolic Dysregulation in Adult Offspring After Maternal Undernutrition. <i>Endocrinology</i> , 2015 , 156, 3228-38	4.8	11
25	Maternal high-fat diet-induced programming of gut taste receptor and inflammatory gene expression in rat offspring is ameliorated by CLA supplementation. <i>Physiological Reports</i> , 2015 , 3, e12588	3.6	11
24	Sexually Dimorphic Associations between Maternal Factors and Human Milk Hormonal Concentrations. <i>Nutrients</i> , 2020 , 12,	6.7	10
23	Utility of Small Animal Models of Developmental Programming. <i>Methods in Molecular Biology</i> , 2018 , 1735, 145-163	1.4	9
22	Post-weaning high-fat diet results in growth cartilage lesions in young male rats. <i>PLoS ONE</i> , 2017 , 12, e0188411	3.7	7
21	Divergent effects of a CLA-enriched beef diet on metabolic health in ApoE ^{-/-} and ob/ob mice. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 401-11	6.3	7
20	Consumption of the Artificial Sweetener Acesulfame Potassium throughout Pregnancy Induces Glucose Intolerance and Adipose Tissue Dysfunction in Mice. <i>Journal of Nutrition</i> , 2020 , 150, 1773-1781	4.1	6
19	Early-life growth hormone treatment to offspring of undernourished mothers alters metabolic parameters in primary adipocytes in adulthood. <i>Growth Factors</i> , 2014 , 32, 34-40	1.6	6
18	Feasibility of Standardized Human Milk Collection in Neonatal Care Units. <i>Scientific Reports</i> , 2019 , 9, 14343	4.3	5

17	The role of adipokines in developmental programming: evidence from animal models. <i>Journal of Endocrinology</i> , 2019 , 242, T81-T94	4.7	5
16	The effects of myo-inositol and probiotic supplementation in a high-fat-fed preclinical model of glucose intolerance in pregnancy. <i>British Journal of Nutrition</i> , 2020 , 123, 516-528	3.6	5
15	Cyclic glycine-proline normalizes systolic blood pressure in high-fat diet-induced obese male rats. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 339-346	4.5	5
14	Maternal-fetal hepatic and placental metabolome profiles are associated with reduced fetal growth in a rat model of maternal obesity. <i>Metabolomics</i> , 2016 , 12, 1	4.7	4
13	Magnesium sulfate has sex-specific, dose-dependent vasodilator effects on preterm placental vessels. <i>Biology of Sex Differences</i> , 2015 , 6, 22	9.3	3
12	Long-term effects of a maternal high-fat: high-fructose diet on offspring growth and metabolism and impact of maternal taurine supplementation. <i>Journal of Developmental Origins of Health and Disease</i> , 2020 , 11, 419-426	2.4	3
11	Preclinical Models of Altered Early Life Nutrition and Development of Reproductive Disorders in Female Offspring. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1134, 59-87	3.6	2
10	Preterm human milk: associations between perinatal factors and hormone concentrations throughout lactation. <i>Pediatric Research</i> , 2021 , 89, 1461-1469	3.2	2
9	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. <i>Journal of Developmental Origins of Health and Disease</i> , 2019 , 10, 459-468	2.4	1
8	Maternal exercise alters rat fetoplacental stress response: Minimal effects of maternal growth restriction and high-fat feeding. <i>Placenta</i> , 2021 , 104, 57-70	3.4	1
7	Interleukin-1 Receptor-1 Deficiency Impairs Metabolic Function in Pregnant and Non-Pregnant Female Mice. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e1900770	5.9	1
6	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. <i>Frontiers in Physiology</i> , 2020 , 11, 601	4.6	0
5	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. <i>Frontiers in Nutrition</i> , 2021 , 8, 641227	6.2	0
4	Maternal intake of fructose or artificial sweetener during pregnancy and lactation has persistent effects on metabolic and reproductive health of dams post-weaning.. <i>Journal of Developmental Origins of Health and Disease</i> , 2022 , 1-8	2.4	0
3	Early Life Developmental Programming of the GH/IGF Axis and Long-Term Health. <i>Healthy Ageing and Longevity</i> , 2019 , 67-86	0.5	
2	Early-Life Nutrition, Epigenetics, and Altered Energy Balance Later in Life 2018 , 213-227		
1	Impact of Maternal Intake of Artificial Sweetener, Acesulfame-K, on Metabolic and Reproductive Health Outcomes in Male and Female Mouse Offspring.. <i>Frontiers in Nutrition</i> , 2021 , 8, 745203	6.2	