# Mark H Vickers

List of Publications by Year
in descending order



| 173 | 8,918 | 57719 | 45285 |
|---|---|---|---|
| papers | citations | 44 h-index | 90 g-index |

| 181 | 181 | 181 | 8663 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Pathophysiology of Gestational Diabetes Mellitus. International Journal of Molecular Sciences, 2018, 19, 3342. | 1.8 | 858 |
| 2 | Fetal origins of hyperphagia, obesity, and hypertension and postnatal amplification by hypercaloric nutrition. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E83-E87. | 1.8 | 824 |
| 3 | Neonatal Leptin Treatment Reverses Developmental Programming. Endocrinology, 2005, 146, 4211-4216. | 1.4 | 596 |
| 4 | Maternal nutritional history predicts obesity in adult offspring independent of postnatal diet. Journal of Physiology, 2009, 587, 905-915. | 1.3 | 390 |
| 5 | Metabolic plasticity during mammalian development is directionally dependent on early nutritional status. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12796-12800. | 3.3 | 294 |
| 6 | Sedentary behavior during postnatal life is determined by the prenatal environment and exacerbated by postnatal hypercaloric nutrition. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R271-R273. | 0.9 | 287 |
| 7 | Early Life Nutrition, Epigenetics and Programming of Later Life Disease. Nutrients, 2014, 6, 2165-2178. | 1.7 | 280 |
| 8 | Fetal programming of appetite and obesity. Molecular and Cellular Endocrinology, 2001, 185, 73-79. | 1.6 | 211 |
| 9 | Maternal Obesity and Developmental Programming of Metabolic Disorders in Offspring: Evidence from Animal Models. Experimental Diabetes Research, 2011, 2011, 1-9. | 3.8 | 161 |
| 10 | Maternal Obesity, Inflammation, and Developmental Programming. BioMed Research International, 2014, 2014, 1-14. | 0.9 | 158 |
| 11 | Offspring of Mothers Fed a High Fat Diet Display Hepatic Cell Cycle Inhibition and Associated Changes in Gene Expression and DNA Methylation. PLoS ONE, 2011, 6, e21662. | 1.1 | 151 |
| 12 | The Effect of Neonatal Leptin Treatment on Postnatal Weight Gain in Male Rats Is Dependent on Maternal Nutritional Status during Pregnancy. Endocrinology, 2008, 149, 1906-1913. | 1.4 | 148 |
| 13 | Pre- and Postnatal Nutritional Histories Influence Reproductive Maturation and Ovarian Function in the Rat. PLoS ONE, 2009, 4, e6744. | 1.1 | 147 |
| 14 | Dysregulation of the adipoinsular axis -- a mechanism for the pathogenesis of hyperleptinemia and adipogenic diabetes induced by fetal programming. Journal of Endocrinology, 2001, 170, 323-332. | 1.2 | 143 |
| 15 | Maternal Fructose Intake during Pregnancy and Lactation Alters Placental Growth and Leads to Sex-Specific Changes in Fetal and Neonatal Endocrine Function. Endocrinology, 2011, 152, 1378-1387. | 1.4 | 136 |
| 16 | Nature, nurture or nutrition? Impact of maternal nutrition on maternal care, offspring development and reproductive function. Journal of Physiology, 2012, 590, 2167-2180. | 1.3 | 132 |
| 17 | Maternal Undernutrition Significantly Impacts Ovarian Follicle Number and Increases Ovarian Oxidative Stress in Adult Rat Offspring. PLoS ONE, 2010, 5, e15558. | 1.1 | 124 |
| 18 | IGF-I Treatment Reduces Hyperphagia, Obesity, and Hypertension in Metabolic Disorders Induced by Fetal Programming. Endocrinology, 2001, 142, 3964-3973. | 1.4 | 122 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Prenatal influences on susceptibility to diet-induced obesity are mediated by altered neuroendocrine gene expression. Journal of Endocrinology, 2007, 193, 31-37. | 1.2 | 104 |
| 20 | Maternal High-Fat and High-Salt Diets Have Differential Programming Effects on Metabolism in Adult Male Rat Offspring. Frontiers in Nutrition, 2018, 5, 1. | 1.6 | 101 |
| 21 | Developmental Programming and Transgenerational Transmission of Obesity. Annals of Nutrition and Metabolism, 2014, 64, 26-34. | 1.0 | 97 |
| 22 | Prenatal influences on leptin sensitivity and susceptibility to diet-induced obesity. Journal of Endocrinology, 2006, 189, 355-363. | 1.2 | 89 |
| 23 | Prenatal and Postnatal Pathways to Obesity: Different Underlying Mechanisms, Different Metabolic Outcomes. Endocrinology, 2007, 148, 2345-2354. | 1.4 | 85 |
| 24 | Atypical antipsychotic drugs induce derangements in glucose homeostasis by acutely increasing glucagon secretion and hepatic glucose output in the rat. Diabetologia, 2008, 51, 2309-2317. | 2.9 | 81 |
| 25 | Early Life Nutrition and Energy Balance Disorders in Offspring in Later Life. Nutrients, 2015, 7, 8090-8111. | 1.7 | 81 |
| 26 | Sex-Specific Human Milk Composition: The Role of Infant Sex in Determining Early Life Nutrition. Nutrients, 2018, 10, 1194. | 1.7 | 75 |
| 27 | Developmental programming and adult obesity: the role of leptin. Current Opinion in Endocrinology, Diabetes and Obesity, 2007, 14, 17-22. | 1.2 | 70 |
| 28 | Maternal undernutrition during critical windows of development results in differential and sex-specific effects on postnatal adiposity and related metabolic profiles in adult rat offspring. British Journal of Nutrition, 2012, 108, 298-307. | 1.2 | 70 |
| 29 | Supplementation with a mixture of complex lipids derived from milk to growing rats results in improvements in parameters related to growth and cognition. Nutrition Research, 2009, 29, 426-435. | 1.3 | 64 |
| 30 | Adult growth hormone treatment reduces hypertension and obesity induced by an adverse prenatal environment. Journal of Endocrinology, 2002, 175, 615-623. | 1.2 | 62 |
| 31 | Developmental programming of the metabolic syndrome - critical windows for intervention. World Journal of Diabetes, 2011, 2, 137. | 1.3 | 62 |
| 32 | Is Later Obesity Programmed In Utero?. Current Drug Targets, 2007, 8, 923-934. | 1.0 | 61 |
| 33 | Leptin as mediator of the effects of developmental programming. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 677-687. | 2.2 | 61 |
| 34 | Early Life Exposure to Fructose and Offspring Phenotype: Implications for Long Term Metabolic Homeostasis. Journal of Obesity, 2014, 2014, 1-10. | 1.1 | 58 |
| 35 | Strategies for Reversing the Effects of Metabolic Disorders Induced as a Consequence of Developmental Programming. Frontiers in Physiology, 2012, 3, 242. | 1.3 | 57 |
| 36 | Maternal high fat and/or salt consumption induces sex-specific inflammatory and nutrient transport in the rat placenta. Physiological Reports, 2015, 3, e12399. | 0.7 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 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. | 1.1 | 53 |
| 38 | A maternal high-fat diet in rat pregnancy reduces growth of the fetus and the placental junctional zone, but not placental labyrinth zone growth. Journal of Developmental Origins of Health and Disease, 2011, 2, 63-70. | 0.7 | 51 |
| 39 | Maternal undernutrition leads to endothelial dysfunction in adult male rat offspring independent of postnatal diet. British Journal of Nutrition, 2009, 101, 27-33. | 1.2 | 50 |
| 40 | Maternal plasma miRNAs as biomarkers during mid-pregnancy to predict later spontaneous preterm birth: a pilot study. Scientific Reports, 2017, 7, 815. | 1.6 | 50 |
| 41 | IGF-I treatment increases motility and improves morphology of immature spermatozoa in the GH-deficient dwarf (dw/dw) rat. Growth Hormone and IGF Research, 1999, 9, 236-240. | 0.5 | 49 |
| 42 | Maternal supplementation with a complex milk lipid mixture during pregnancy and lactation alters neonatal brain lipid composition but lacks effect on cognitive function in rats. Nutrition Research, 2010, 30, 279-289. | 1.3 | 48 |
| 43 | 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. | 0.7 | 48 |
| 44 | 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. | 1.1 | 48 |
| 45 | Clozapine and quetiapine acutely reduce glucagon-like peptide-1 production and increase glucagon release in obese rats: Implications for glucose metabolism and food choice behaviour. Schizophrenia Research, 2009, 115, 30-40. | 1.1 | 47 |
| 46 | Maternal High-Fat Diet-Induced Loss of Fetal Oocytes Is Associated with Compromised Follicle Growth in Adult Rat Offspring1. Biology of Reproduction, 2016, 94, 94. | 1.2 | 47 |
| 47 | 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, 1-12. | 0.9 | 46 |
| 48 | High fat and/or high salt intake during pregnancy alters maternal meta-inflammation and offspring growth and metabolic profiles. Physiological Reports, 2014, 2, e12110. | 0.7 | 45 |
| 49 | Early Life Exposure to Fructose Alters Maternal, Fetal and Neonatal Hepatic Gene Expression and Leads to Sex-Dependent Changes in Lipid Metabolism in Rat Offspring. PLoS ONE, 2015, 10, e0141962. | 1.1 | 44 |
| 50 | Pre-Weaning Growth Hormone Treatment Reverses Hypertension and Endothelial Dysfunction in Adult Male Offspring of Mothers Undernourished during Pregnancy. PLoS ONE, 2013, 8, e53505. | 1.1 | 41 |
| 51 | Olanzapine effects on body composition, food preference, glucose metabolism and insulin sensitivity in the rat. Archives of Physiology and Biochemistry, 2011, 117, 241-249. | 1.0 | 40 |
| 52 | Type 1 Diabetes Mellitus-Associated Genetic Variants Contribute to Overlapping Immune Regulatory Networks. Frontiers in Genetics, 2018, 9, 535. | 1.1 | 39 |
| 53 | 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, 1-11. | 0.7 | 38 |
| 54 | Epigenetics, microRNA and Metabolic Syndrome: A Comprehensive Review. International Journal of Molecular Sciences, 2021, 22, 5047. | 1.8 | 38 |

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|---|---|---|---|
| 55 | Adolescent understanding of DOHaD concepts: a school-based intervention to support knowledge translation and behaviour change. Journal of Developmental Origins of Health and Disease, 2012, 3, 469-482. | 0.7 | 37 |
| 56 | 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, 1448-1457. | 1.9 | 37 |
| 57 | Migration through a small pore disrupts inactive chromatin organization in neutrophil-like cells. BMC Biology, 2018, 16, 142. | 1.7 | 37 |
| 58 | Impaired sperm characteristics in postpubertal growth-hormone-deficient dwarf () rats. Animal Reproduction Science, 1997, 49, 71-76. | 0.5 | 36 |
| 59 | Early Life Exposure to Undernutrition Induces ER Stress, Apoptosis, and Reduced Vascularization in Ovaries of Adult Rat Offspring1. Biology of Reproduction, 2015, 92, 110. | 1.2 | 36 |
| 60 | Growth hormone (GH) therapy markedly increases the motility of spermatozoa and the concentration of insulin-like growth factor-I in seminal vesicle fluid in the male GH-deficient dwarf rat.. Endocrinology, 1996, 137, 4061-4064. | 1.4 | 35 |
| 61 | Maternal High Fat Diet Alters Skeletal Muscle Mitochondrial Catalytic Activity in Adult Male Rat Offspring. Frontiers in Physiology, 2016, 7, 546. | 1.3 | 34 |
| 62 | Nutritional Supplementation for the Prevention and/or Treatment of Gestational Diabetes Mellitus. Current Diabetes Reports, 2019, 19, 73. | 1.7 | 34 |
| 63 | Transcriptional Profiling of Rats Subjected to Gestational Undernourishment: Implications for the Developmental Variations in Metabolic Traits. PLoS ONE, 2009, 4, e7271. | 1.1 | 33 |
| 64 | Thrifty metabolic programming in rats is induced by both maternal undernutrition and postnatal leptin treatment, but masked in the presence of both: implications for models of developmental programming. BMC Genomics, 2014, 15, 49. | 1.2 | 32 |
| 65 | Growth hormone treatment of breeding bulls used for artificial insemination improves fertilization ratesâ˜†. Domestic Animal Endocrinology, 2000, 18, 145-158. | 0.8 | 31 |
| 66 | Preweaning Growth Hormone Treatment Ameliorates Adipose Tissue Insulin Resistance and Inflammation in Adult Male Offspring Following Maternal Undernutrition. Endocrinology, 2013, 154, 2676-2686. | 1.4 | 31 |
| 67 | Increased systolic blood pressure in rat offspring following a maternal low-protein diet is normalized by maternal dietary choline supplementation. Journal of Developmental Origins of Health and Disease, 2012, 3, 342-349. | 0.7 | 30 |
| 68 | 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, 4808-4817. | 1.4 | 30 |
| 69 | Maternal salt and fat intake causes hypertension and sustained endothelial dysfunction in fetal, weanling and adult male resistance vessels. Scientific Reports, 2015, 5, 9753. | 1.6 | 30 |
| 70 | Adolescents as agents of healthful change through scientific literacy development: A school-university partnership program in New Zealand. International Journal of STEM Education, 2017, 4, 15. | 2.7 | 29 |
| 71 | 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, 267-276. | 1.9 | 28 |
| 72 | Pre-Weaning Growth Hormone Treatment Ameliorates Bone Marrow Macrophage Inflammation in Adult Male Rat Offspring following Maternal Undernutrition. PLoS ONE, 2013, 8, e68262. | 1.1 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Experimental Models of Maternal Obesity and Neuroendocrine Programming of Metabolic Disorders in Offspring. Frontiers in Endocrinology, 2017, 8, 245. | 1.5 | 27 |
| 74 | Maternal nutritional history modulates the hepatic IGFâ€“IGFBP axis in adult male rat offspring. Endocrine, 2014, 46, 70-82. | 1.1 | 26 |
| 75 | Conjugated Linoleic Acid Supplementation During Pregnancy and Lactation Reduces Maternal High-Fat-Diet-Induced Programming of Early-Onset Puberty and Hyperlipidemia in Female Rat Offspring1. Biology of Reproduction, 2015, 92, 40. | 1.2 | 26 |
| 76 | Realizing the Potential of Adolescence to Prevent Transgenerational Conditioning of Noncommunicable Disease Risk: Multi-Sectoral Design Frameworks. Healthcare (Switzerland), 2016, 4, 39. | 1.0 | 26 |
| 77 | Early life nutrition and the opportunity to influence long-term health: an Australasian perspective. Journal of Developmental Origins of Health and Disease, 2016, 7, 440-448. | 0.7 | 26 |
| 78 | 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. | 1.6 | 26 |
| 79 | Growth Factor Concentrations in Human Milk Are Associated With Infant Weight and BMI From Birth to 5 Years. Frontiers in Nutrition, 2020, 7, 110. | 1.6 | 26 |
| 80 | NNZ-2591, a novel diketopiperazine, prevented scopolamine-induced acute memory impairment in the adult rat. Behavioural Brain Research, 2010, 210, 221-228. | 1.2 | 25 |
| 81 | Maternal and Infant Factors Influencing Human Milk Oligosaccharide Composition: Beyond Maternal Genetics. Journal of Nutrition, 2021, 151, 1383-1393. | 1.3 | 25 |
| 82 | Conjugated Linoleic Acid Supplementation Improves Maternal High Fat Diet-Induced Programming of Metabolic Dysfunction in Adult Male Rat Offspring. Scientific Reports, 2017, 7, 6663. | 1.6 | 24 |
| 83 | Human Placental Growth Hormone Variant in Pathological Pregnancies. Endocrinology, 2018, 159, 2186-2198. | 1.4 | 24 |
| 84 | The Effects of Myo-Inositol and B and D Vitamin Supplementation in the db/+ Mouse Model of Gestational Diabetes Mellitus. Nutrients, 2017, 9, 141. | 1.7 | 23 |
| 85 | Global undernutrition during gestation influences learning during adult life. Learning and Behavior, 2007, 35, 79-86. | 0.5 | 22 |
| 86 | 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, 1729. | 1.8 | 21 |
| 87 | Growth hormone or insulin-like growth factor-I extends longevity of equine spermatozoa in vitro. Theriogenology, 2002, 57, 1793-1800. | 0.9 | 20 |
| 88 | Moderate Exercise during Pregnancy in Wistar Rats Alters Bone and Body Composition of the Adult Offspring in a Sex-Dependent Manner. PLoS ONE, 2013, 8, e82378. | 1.1 | 20 |
| 89 | Therapy with Growth Hormone: Major Prospects for the Treatment of Male Subfertility?. Endocrine Journal, 1998, 45, S53-S60. | 0.7 | 19 |
| 90 | 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-R504. | 0.9 | 19 |

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|---|---|---|---|
| 91 | Sexually Dimorphic Associations between Maternal Factors and Human Milk Hormonal Concentrations. Nutrients, 2020, 12, 152. | 1.7 | 19 |
| 92 | Absence of a gestational diabetes phenotype in the LepRdb/+ mouse is independent of control strain, diet, misty allele, or parity. Scientific Reports, 2017, 7, 45130. | 1.6 | 18 |
| 93 | The atypical anti-psychotic clozapine decreases bone mass in rats in vivo. Schizophrenia Research, 2011, 126, 291-297. | 1.1 | 17 |
| 94 | Supplementation with complex milk lipids during brain development promotes neuroplasticity without altering myelination or vascular density. Food and Nutrition Research, 2015, 59, 25765. | 1.2 | 17 |
| 95 | School-based primary NCD risk reduction: education and public health perspectives. Health Promotion International, 2017, 32, daw096. | 0.9 | 17 |
| 96 | The Placental Variant of Human Growth Hormone Reduces Maternal Insulin Sensitivity in a Dose-Dependent Manner in C57BL/6J Mice. Endocrinology, 2016, 157, 1175-1186. | 1.4 | 17 |
| 97 | 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. | 1.3 | 17 |
| 98 | The Effect of Neonatal Leptin Antagonism in Male Rat Offspring Is Dependent upon the Interaction between Prior Maternal Nutritional Status and Post-Weaning Diet. Journal of Nutrition and Metabolism, 2012, 2012, 1-10. | 0.7 | 16 |
| 99 | Maternal conjugated linoleic acid supplementation reverses high-fat diet-induced skeletal muscle atrophy and inflammation in adult male rat offspring. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R432-R439. | 0.9 | 16 |
| 100 | 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. | 0.7 | 15 |
| 101 | Adolescent education: an opportunity to create a Developmental Origins of Health and Disease (DOHaD) circuit breaker. Journal of Developmental Origins of Health and Disease, 2016, 7, 501-504. | 0.7 | 15 |
| 102 | Hi-C detects novel structural variants in HL-60 and HL-60/S4 cell lines. Genomics, 2020, 112, 151-162. | 1.3 | 15 |
| 103 | 20-kDa placental hGH-V has diminished diabetogenic and lactogenic activities compared with 22-kDa hGH-N while retaining antilipogenic activity. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E629-E637. | 1.8 | 14 |
| 104 | Voluntary exercise in pregnant rats positively influences fetal growth without initiating a maternal physiological stress response. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1134-R1141. | 0.9 | 13 |
| 105 | The Developmental Origins of Health and Disease: Adolescence as a Critical Lifecourse Period to Break the Transgenerational Cycle of NCDsâ€"A Narrative Review. International Journal of Environmental Research and Public Health, 2022, 19, 6024. | 1.2 | 13 |
| 106 | Combination therapy with acipimox enhances the effect of growth hormone treatment on linear body growth in the normal and small-for-gestational-age rat. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1212-E1219. | 1.8 | 12 |
| 107 | Leptin Reversal of the Metabolic Phenotype: Evidence for the Role of Developmental Plasticity in the Development of the Metabolic Syndrome. Hormone Research in Paediatrics, 2007, 67, 115-120. | 0.8 | 12 |
| 108 | Gene expression profiling in the Cynomolgus macaque Macaca fascicularis shows variation within the normal birth range. BMC Genomics, 2011, 12, 509. | 1.2 | 12 |

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|---|---|---|---|
| 109 | Preweaning GH Treatment Normalizes Body Growth Trajectory and Reverses Metabolic Dysregulation in Adult Offspring After Maternal Undernutrition. Endocrinology, 2015, 156, 3228-3238. | 1.4 | 12 |
| 110 | DEVELOPMENTAL PROGRAMMING OF OBESITY AND TYPE 2 DIABETES. Fetal and Maternal Medicine Review, 2007, 18, 1-23. | 0.3 | 11 |
| 111 | The importance of early life in childhood obesity and related diseases: a report from the 2014 Gravida Strategic Summit. Journal of Developmental Origins of Health and Disease, 2014, 5, 398-407. | 0.7 | 11 |
| 112 | Diet-induced obesity and prenatal undernutrition lead to differential neuroendocrine gene expression in the hypothalamic arcuate nuclei. Endocrine, 2016, 53, 839-847. | 1.1 | 11 |
| 113 | Utility of Small Animal Models of Developmental Programming. Methods in Molecular Biology, 2018, 1735, 145-163. | 0.4 | 11 |
| 114 | The significance of DOHaD for Small Island Developing States. Journal of Developmental Origins of Health and Disease, 2018, 9, 487-491. | 0.7 | 10 |
| 115 | The role of adipokines in developmental programming: evidence from animal models. Journal of Endocrinology, 2019, 242, T81-T94. | 1.2 | 10 |
| 116 | Maternal high fat diet during critical windows of development alters adrenal cortical and medullary enzyme expression in adult male rat offspring. Journal of Developmental Origins of Health and Disease, 2010, 1, 245-254. | 0.7 | 9 |
| 117 | Tissue-Specific 5â€² Heterogeneity of PPARÎ± Transcripts and Their Differential Regulation by Leptin. PLoS ONE, 2013, 8, e67483. | 1.1 | 9 |
| 118 | Effect of sildenafil citrate treatment in the eNOS knockout mouse model of fetal growth restriction on long-term cardiometabolic outcomes in male offspring. Pharmacological Research, 2018, 137, 122-134. | 3.1 | 9 |
| 119 | Feasibility of Standardized Human Milk Collection in Neonatal Care Units. Scientific Reports, 2019, 9, 14343. | 1.6 | 9 |
| 120 | Cyclic glycine-proline administration normalizes high-fat diet-induced synaptophysin expression in obese rats. Neuropeptides, 2019, 76, 101935. | 0.9 | 9 |
| 121 | Cyclic glycine-proline normalizes systolic blood pressure in high-fat diet-induced obese male rats. Nutrition, Metabolism and Cardiovascular Diseases, 2020, 30, 339-346. | 1.1 | 9 |
| 122 | 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. | 1.2 | 9 |
| 123 | Preterm human milk: associations between perinatal factors and hormone concentrations throughout lactation. Pediatric Research, 2021, 89, 1461-1469. | 1.1 | 9 |
| 124 | Short-term voluntary exercise in the rat causes bone modeling without initiating a physiological stress response. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1037-R1043. | 0.9 | 7 |
| 125 | Pre- and Postnatal Methyl Deficiency in the Rat Differentially Alters Glucose Homeostasis. Journal of Nutrigenetics and Nutrigenomics, 2011, 4, 175-191. | 1.8 | 7 |
| 126 | Magnesium sulfate has sex-specific, dose-dependent vasodilator effects on preterm placental vessels. Biology of Sex Differences, 2015, 6, 22. | 1.8 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | 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. | 0.7 | 7 |
| 128 | Effects of maternal captopril treatment on growth, blood glucose and plasma insulin in the fetal spontaneously hypertensive rat. Reproduction, Fertility and Development, 1999, 11, 403. | 0.1 | 6 |
| 129 | Early-life growth hormone treatment to offspring of undernourished mothers alters metabolic parameters in primary adipocytes in adulthood. Growth Factors, 2014, 32, 34-40. | 0.5 | 6 |
| 130 | Different exercise modalities have distinct effects on the integrin-linked kinase (ILK) and Ca2+signaling pathways in the male rat bone. Physiological Reports, 2015, 3, e12568. | 0.7 | 6 |
| 131 | Maternal undernutrition during pregnancy and lactation affects testicular morphology, the stages of spermatogenic cycle, and the testicular IGF-I system in adult offspring. Journal of Developmental Origins of Health and Disease, 2020, 11, 473-483. | 0.7 | 6 |
| 132 | DOHaD in low- and middle-income countries: a systematic review exploring gaps in DOHaD population studies. Journal of Developmental Origins of Health and Disease, 2020, 11, 557-563. | 0.7 | 6 |
| 133 | Early life nutrition and neuroendocrine programming. Neuropharmacology, 2022, 205, 108921. | 2.0 | 6 |
| 134 | Voluntary exercise in pregnant rats improves post-lactation maternal bone parameters but does not affect offspring outcomes in early life. Journal of Musculoskeletal Neuronal Interactions, 2012, 12, 199-208. | 0.1 | 6 |
| 135 | Impaired Perinatal Growth and Longevity: A Life History Perspective. Current Gerontology and Geriatrics Research, 2009, 2009, 1-6. | 1.6 | 5 |
| 136 | Successive Generations in a Rat Model Respond Differently to a Constant Obesogenic Environment. PLoS ONE, 2015, 10, e0129779. | 1.1 | 5 |
| 137 | Different Short-Term Mild Exercise Modalities Lead to Differential Effects on Body Composition in Healthy Prepubertal Male Rats. BioMed Research International, 2015, 2015, 1-9. | 0.9 | 5 |
| 138 | A Memory of Early Life Physical Activity Is Retained in Bone Marrow of Male Rats Fed a High-Fat Diet. Frontiers in Physiology, 2017, 8, 476. | 1.3 | 5 |
| 139 | Supporting Cook Island communities to access DOHaD evidence. Journal of Developmental Origins of Health and Disease, 2020, 11, 564-572. | 0.7 | 5 |
| 140 | The association of maternal gestational hyperglycemia with breastfeeding duration and markers of milk production. American Journal of Clinical Nutrition, 2021, 114, 1219-1228. | 2.2 | 5 |
| 141 | Loss of the pregnancy-induced rise in cortisol concentrations in the ewe impairs the fetal insulin-like growth factor axis. Reproduction, Fertility and Development, 2011, 23, 665. | 0.1 | 4 |
| 142 | Serum concentrations of fully and undercarboxylated osteocalcin do not vary between estrous cycle stages in Sprague–Dawley rats. Endocrine, 2013, 44, 809-811. | 1.1 | 4 |
| 143 | Maternal-fetal hepatic and placental metabolome profiles are associated with reduced fetal growth in a rat model of maternal obesity. Metabolomics, 2016, 12, 1. | 1.4 | 4 |
| 144 | Neonatal leptin treatment reverses the bone-suppressive effects of maternal undernutrition in adult rat offspring. Scientific Reports, 2017, 7, 7686. | 1.6 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | 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. | 0.8 | 4 |
| 146 | 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, 13, 642-649. | 0.7 | 4 |
| 147 | TNF-Î± Differentially Regulates Cell Cycle Genes in Promyelocytic and Granulocytic HL-60/S4 Cells. G3: Genes, Genomes, Genetics, 2019, 9, 2775-2786. | 0.8 | 3 |
| 148 | Maternal exercise alters rat fetoplacental stress response: Minimal effects of maternal growth restriction and high-fat feeding. Placenta, 2021, 104, 57-70. | 0.7 | 3 |
| 149 | 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. | 1.6 | 3 |
| 150 | Utility of preclinical models of altered maternal nutrition to support the developmental origins of health and disease hypothesis. Clinical Science, 2022, 136, 711-714. | 1.8 | 3 |
| 151 | The application of a model of glucose and insulin dynamics to explain an observed effect of leptin administration in reversal of developmental programming. Mathematical Biosciences, 2011, 229, 109-114. | 0.9 | 2 |
| 152 | First 1000 days: New Zealand Mothersâ€™ perceptions of early life nutrition resources. Journal of Developmental Origins of Health and Disease, 2021, , 1-7. | 0.7 | 2 |
| 153 | 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. | 1.6 | 2 |
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