Miles J De Blasio

List of Publications by Year
in descending order

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66 papers	2,301 citations	201674 27 h-index	223800 46 g-index
70 all docs	70 docs citations	70 times ranked	2685 citing authors

#	Article	IF	Citations
1	Paternal obesity initiates metabolic disturbances in two generations of mice with incomplete penetrance to the F₂generation and alters the transcriptional profile of testis and sperm microRNA content. FASEB Journal, 2013, 27, 4226-4243.	0.5	486
2	Placental Restriction of Fetal Growth Increases Insulin Action, Growth, and Adiposity in the Young Lamb. Endocrinology, 2007, 148, 1350-1358.	2.8	115
3	Placental restriction of fetal growth reduces size at birth and alters postnatal growth, feeding activity, and adiposity in the young lamb. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R875-R886.	1.8	97
4	Differential timing for programming of glucose homoeostasis, sensitivity to insulin and blood pressure by in utero exposure to dexamethasone in sheep. Clinical Science, 2000, 98, 553-560.	4.3	74
5	Maternal exposure to dexamethasone or cortisol in early pregnancy differentially alters insulin secretion and glucose homeostasis in adult male sheep offspring. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E75-E82.	3.5	70
6	Improved Lactational Nutrition and Postnatal Growth Ameliorates Impairment of Glucose Tolerance by Uteroplacental Insufficiency in Male Rat Offspring. Endocrinology, 2008, 149, 3067-3076.	2.8	70
7	Sex-specific effects of placental restriction on components of the metabolic syndrome in young adult sheep. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1879-E1889.	3.5	68
8	Impaired Î²-Cell Function and Inadequate Compensatory Increases in Î²-Cell Mass after Intrauterine Growth Restriction in Sheep. Endocrinology, 2008, 149, 5118-5127.	2.8	67
9	Therapeutic targeting of oxidative stress with coenzyme Q10 counteracts exaggerated diabetic cardiomyopathy in a mouse model of diabetes with diminished PI3K(p110Î±) signaling. Free Radical Biology and Medicine, 2015, 87, 137-147.	2.9	63
10	Review: Placental Programming of Postnatal Diabetes and Impaired Insulin Action after IUGR. Placenta, 2010, 31, S60-S65.	1.5	56
11	Restriction of placental growth in sheep impairs insulin secretion but not sensitivity before birth. Journal of Physiology, 2007, 584, 935-949.	2.9	52
12	Insights into the role of maladaptive hexosamine biosynthesis and O-GlcNAcylation in development of diabetic cardiac complications. Pharmacological Research, 2017, 116, 45-56.	7.1	51
13	Phosphoinositide 3-kinase (p110Î±) gene delivery limits diabetes-induced cardiac NADPH oxidase and cardiomyopathy in a mouse model with established diastolic dysfunction. Clinical Science, 2017, 131, 1345-1360.	4.3	49
14	Fine-tuning the cardiac O-GlcNAcylation regulatory enzymes governs the functional and structural phenotype of the diabetic heart. Cardiovascular Research, 2022, 118, 212-225.	3.8	47
15	Placental Restriction Reduces Insulin Sensitivity and Expression of Insulin Signaling and Glucose Transporter Genes in Skeletal Muscle, But Not Liver, in Young Sheep. Endocrinology, 2012, 153, 2142-2151.	2.8	41
16	Maternal and Neonatal Circulating Markers of Metabolic and Cardiovascular Risk in the Metformin in Gestational Diabetes (MiG) Trial. Diabetes Care, 2013, 36, 529-536.	8.6	39
17	The superoxide dismutase mimetic tempol blunts diabetes-induced upregulation of NADPH oxidase and endoplasmic reticulum stress in a rat model of diabetic nephropathy. European Journal of Pharmacology, 2017, 807, 12-20.	3.5	39
18	Endogenous Annexin-A1 Regulates Haematopoietic Stem Cell Mobilisation and Inflammatory Response Post Myocardial Infarction in Mice In Vivo. Scientific Reports, 2017, 7, 16615.	3.3	38

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19	Diastolic dysfunction is more apparent in STZ-induced diabetic female mice, despite less pronounced hyperglycemia. Scientific Reports, 2018, 8, 2346.	3.3	38
20	Postnatal ontogeny of glucose homeostasis and insulin action in sheep. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E1050-E1059.	3.5	36
21	Treatment of underfed pigs with GH throughout the second quarter of pregnancy increases fetal growth. Journal of Endocrinology, 2000, 166, 227-234.	2.6	34
22	Stable Oxidative Cytosine Modifications Accumulate in Cardiac Mesenchymal Cells From Type2 Diabetes Patients. Circulation Research, 2018, 122, 31-46.	4.5	33
23	Gene therapy targeting cardiac phosphoinositide 3-kinase (p110Î±) attenuates cardiac remodeling in type 2 diabetes. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H840-H852.	3.2	32
24	Variable maternal nutrition and growth hormone treatment in the second quarter of pregnancy in pigs alter semitendinosus muscle in adolescent progeny. British Journal of Nutrition, 2003, 90, 283-293.	2.3	31
25	Mild gestational diabetes in pregnancy and the adipoinsular axis in babies born to mothers in the ACHOIS randomised controlled trial. BMC Pediatrics, 2007, 7, 18.	1.7	30
26	A physiological increase in maternal cortisol alters uteroplacental metabolism in the pregnant ewe. Journal of Physiology, 2016, 594, 6407-6418.	2.9	29
27	Characterising an Alternative Murine Model of Diabetic Cardiomyopathy. Frontiers in Physiology, 2019, 10, 1395.	2.8	29
28	Defining the Progression of Diabetic Cardiomyopathy in a Mouse Model of Type 1 Diabetes. Frontiers in Physiology, 2020, 11, 124.	2.8	29
29	Determinants of Maternal Triglycerides in Women With Gestational Diabetes Mellitus in the Metformin in Gestational Diabetes (MiG) Study. Diabetes Care, 2013, 36, 1941-1946.	8.6	27
30	Differential timing for programming of glucose homoeostasis, sensitivity to insulin and blood pressure by in utero exposure to dexamethasone in sheep. Clinical Science, 2000, 98, 553.	4.3	25
31	Effect of Variable Long-Term Maternal Feed Allowance on the Development of the Ovine Placenta and Fetus. Placenta, 2008, 29, 539-548.	1.5	25
32	Hypothyroidism in utero stimulates pancreatic beta cell proliferation and hyperinsulinaemia in the ovine fetus during late gestation. Journal of Physiology, 2017, 595, 3331-3343.	2.9	25
33	Leptin Matures Aspects of Lung Structure and Function in the Ovine Fetus. Endocrinology, 2016, 157, 395-404.	2.8	24
34	Perinatal growth and plasma GH profiles in adolescent and adult sheep. Journal of Endocrinology, 2002, 173, 151-159.	2.6	23
35	Placental restriction alters circulating thyroid hormone in the young lamb postnatally. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1016-R1024.	1.8	23
36	Small size at birth predicts decreased cardiomyocyte number in the adult ovine heart. Journal of Developmental Origins of Health and Disease, 2017, 8, 618-625.	1.4	21

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37	The adiponectin signalling pathway - A therapeutic target for the cardiac complications of type 2 diabetes?. , 2022, 232, 108008.		19
38	Responses to maternal GH or ractopamine during earlyâ€“mid pregnancy are similar in primiparous and multiparous pregnant pigs. Journal of Endocrinology, 2009, 203, 143-154.	2.6	18
39	Effect of placental restriction and neonatal exendin-4 treatment on postnatal growth, adult body composition, and in vivo glucose metabolism in the sheep. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E589-E600.	3.5	18
40	Increased Placental Nutrient Transporter Expression at Midgestation after Maternal Growth Hormone Treatment in Pigs: A Placental Mechanism for Increased Fetal Growth1. Biology of Reproduction, 2012, 87, 126.	2.7	16
41	Placental Restriction Increases Adipose Leptin Gene Expression and Plasma Leptin and Alters Their Relationship to Feeding Activity in the Young Lamb. Pediatric Research, 2010, 67, 603-608.	2.3	15
42	The Mitochondria-Targeted Methylglyoxal Sequestering Compound, MitoGamide, Is Cardioprotective in the Diabetic Heart. Cardiovascular Drugs and Therapy, 2019, 33, 669-674.	2.6	15
43	Neonatal Exendin-4 Reduces Growth, Fat Deposition and Glucose Tolerance during Treatment in the Intrauterine Growth-Restricted Lamb. PLoS ONE, 2013, 8, e56553.	2.5	15
44	Maternal methyl donor and cofactor supplementation in late pregnancy increases Î²-cell numbers at 16 days of life in growth-restricted twin lambs. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E381-E390.	3.5	13
45	Diastolic dysfunction in a pre-clinical model of diabetes is associated with changes in the cardiac non-myocyte cellular composition. Cardiovascular Diabetology, 2021, 20, 116.	6.8	13
46	Maternal Dexamethasone Treatment Alters Tissue and Circulating Components of the Renin-Angiotensin System in the Pregnant Ewe and Fetus. Endocrinology, 2015, 156, 3038-3046.	2.8	12
47	Ovine uteroplacental and fetal metabolism during and after fetal cortisol overexposure in late gestation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R791-R801.	1.8	12
48	Thyroid Deficiency Before Birth Alters the Adipose Transcriptome to Promote Overgrowth of White Adipose Tissue and Impair Thermogenic Capacity. Thyroid, 2020, 30, 794-805.	4.5	10
49	Thyroid Hormone Deficiency Suppresses Fetal Pituitaryâ€“Adrenal Function Near Term: Implications for the Control of Fetal Maturation and Parturition. Thyroid, 2021, 31, 861-869.	4.5	10
50	Maternal responses to daily maternal porcine somatotropin injections during early-mid pregnancy or early-late pregnancy in sows and gilts1. Journal of Animal Science, 2010, 88, 1365-1378.	0.5	9
51	Adeno-associated viral (AAV) vector-mediated therapeutics for diabetic cardiomyopathy â€“ current and future perspectives. Clinical Science, 2021, 135, 1369-1387.	4.3	8
52	Bone Morphogenetic Protein 7 Gene Delivery Improves Cardiac Structure and Function in a Murine Model of Diabetic Cardiomyopathy. Frontiers in Pharmacology, 2021, 12, 719290.	3.5	8
53	Current landscape of preclinical models of diabetic cardiomyopathy. Trends in Pharmacological Sciences, 2022, 43, 940-956.	8.7	8
54	Developmental Expression and Glucocorticoid Control of the Leptin Receptor in Fetal Ovine Lung. PLoS ONE, 2015, 10, e0136115.	2.5	7

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55	Placental and fetal growth restriction, size at birth and neonatal growth alter cognitive function and behaviour in sheep in an age- and sex-specific manner. Physiology and Behavior, 2015, 152, 1-10.	2.1	6
56	Characterisation of the Myocardial Mitochondria Structural and Functional Phenotype in a Murine Model of Diabetic Cardiomyopathy. Frontiers in Physiology, 2021, 12, 672252.	2.8	6
57	Current challenges in the treatment of cardiac fibrosis: Recent insights into the sexâ€specific differences of glucoseâ€lowering therapies on the diabetic heart: IUPHAR Review 33. British Journal of Pharmacology, 2023, 180, 2916-2933.	5.4	6
58	Testing the plasticity of insulin secretion and Î²â€cell function in vivo: responses to chronic hyperglycaemia in the sheep. Experimental Physiology, 2012, 97, 663-675.	2.0	5
59	Sex- and bone-specific responses in bone structure to exogenous leptin and leptin receptor antagonism in the ovine fetus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R781-R790.	1.8	5
60	Effects of induced placental and fetal growth restriction, size at birth and early neonatal growth on behavioural and brain structural lateralization in sheep. Laterality, 2017, 22, 560-589.	1.0	3
61	Maternal low-dose porcine somatotropin treatment in late gestation increases progeny weight at birth and weaning in sows, but not in gilts1. Journal of Animal Science, 2012, 90, 1428-1435.	0.5	2
62	P2-1 Placental restriction increases plasma leptin and alters its relationship to feeding activity in the young lamb. Early Human Development, 2007, 83, S129-S130.	1.8	0
63	Perinatal Programming of Adult Metabolic Homeostasis. Advances in Experimental Medicine and Biology, 2006, , 157-176.	1.6	0
64	Effect of hypothyroidism on pancreatic [beta]-cell mass and circulating insulin concentration in the ovine foetus. Endocrine Abstracts, 0, , .	0.0	0
65	Leptin receptors localise to [beta]-cells in the fetal ovine pancreas, but do not appear to influence [beta]-cell mass in utero. Endocrine Abstracts, 0, , .	0.0	0
66	Editorial: Translational Approaches for Targeting Cardiovascular Complications of Diabetes. Frontiers in Pharmacology, 2021, 12, 799020.	3.5	0