

James Cuffe

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

1,963
citations

236612

25
h-index

276539

41
g-index

80
all docs

80
docs citations

80
times ranked

2736
citing authors

#	ARTICLE	IF	CITATIONS
1	Programming of maternal and offspring disease: impact of growth restriction, fetal sex and transmission across generations. <i>Journal of Physiology</i> , 2016, 594, 4727-4740.	1.3	112
2	Review: Sex specific programming: A critical role for the renal renin-angiotensin system. <i>Placenta</i> , 2010, 31, S40-S46.	0.7	101
3	Mid-to late term hypoxia in the mouse alters placental morphology, glucocorticoid regulatory pathways and nutrient transporters in a sex-specific manner. <i>Journal of Physiology</i> , 2014, 592, 3127-3141.	1.3	99
4	Review: Placental derived biomarkers of pregnancy disorders. <i>Placenta</i> , 2017, 54, 104-110.	0.7	90
5	Maternal Corticosterone Exposure in the Mouse Has Sex-Specific Effects on Placental Growth and mRNA Expression. <i>Endocrinology</i> , 2012, 153, 5500-5511.	1.4	85
6	Periconceptional alcohol consumption causes fetal growth restriction and increases glycogen accumulation in the late gestation rat placenta. <i>Placenta</i> , 2014, 35, 50-57.	0.7	80
7	Sex specific changes in placental growth and MAPK following short term maternal dexamethasone exposure in the mouse. <i>Placenta</i> , 2011, 32, 981-989.	0.7	78
8	Short- and long-term effects of exposure to natural and synthetic glucocorticoids during development. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 979-989.	0.9	76
9	Placental mitochondrial adaptations in preeclampsia associated with progression to term delivery. <i>Cell Death and Disease</i> , 2018, 9, 1150.	2.7	63
10	Let's Talk about Placental Sex, Baby: Understanding Mechanisms That Drive Female- and Male-Specific Fetal Growth and Developmental Outcomes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6386.	1.8	61
11	Activation of Cold-Sensing Transient Receptor Potential Melastatin Subtype 8 Antagonizes Vasoconstriction and Hypertension Through Attenuating RhoA/Rho Kinase Pathway. <i>Hypertension</i> , 2014, 63, 1354-1363.	1.3	55
12	Biomarkers of oxidative stress in pregnancy complications. <i>Biomarkers in Medicine</i> , 2017, 11, 295-306.	0.6	54
13	Maternal selenium deficiency during pregnancy in mice increases thyroid hormone concentrations, alters placental function and reduces fetal growth. <i>Journal of Physiology</i> , 2019, 597, 5597-5617.	1.3	51
14	Placental O-GlcNAc-transferase expression and interactions with the glucocorticoid receptor are sex specific and regulated by maternal corticosterone exposure in mice. <i>Scientific Reports</i> , 2017, 7, 2017.	1.6	50
15	Role of omega-6 and omega-3 fatty acids in fetal programming. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 907-915.	0.9	49
16	Dexamethasone and sex regulate placental glucocorticoid receptor isoforms in mice. <i>Journal of Endocrinology</i> , 2017, 234, 89-100.	1.2	37
17	Prenatal Exposure to Dexamethasone in the Mouse Alters Cardiac Growth Patterns and Increases Pulse Pressure in Aged Male Offspring. <i>PLoS ONE</i> , 2013, 8, e69149.	1.1	36
18	Maternal hypomagnesemia causes placental abnormalities and fetal and postnatal mortality. <i>Placenta</i> , 2015, 36, 750-758.	0.7	31

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19	Peripheral modulation of the endocannabinoid system in metabolic disease. <i>Drug Discovery Today</i> , 2018, 23, 592-604.	3.2	31
20	Mitochondrial dysfunction in placental trophoblast cells experiencing gestational diabetes mellitus. <i>Journal of Physiology</i> , 2021, 599, 1291-1305.	1.3	30
21	Excess prenatal corticosterone exposure results in albuminuria, sex-specific hypotension, and altered heart rate responses to restraint stress in aged adult mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F1065-F1073.	1.3	29
22	Review: The role of multiple placental glucocorticoid receptor isoforms in adapting to the maternal environment and regulating fetal growth. <i>Placenta</i> , 2017, 54, 24-29.	0.7	29
23	Mitochondrial isolation, cryopreservation and preliminary biochemical characterisation from placental cytotrophoblast and syncytiotrophoblast. <i>Placenta</i> , 2019, 82, 1-4.	0.7	29
24	Acute restraint stress induces rapid changes in central redox status and protective antioxidant genes in rats. <i>Psychoneuroendocrinology</i> , 2016, 67, 104-112.	1.3	28
25	Review: Effects of maternal micronutrient supplementation on placental function. <i>Placenta</i> , 2017, 54, 38-44.	0.7	27
26	Effects of periconceptional maternal alcohol intake and a postnatal high-fat diet on obesity and liver disease in male and female rat offspring. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E694-E704.	1.8	27
27	Maternal corticosterone exposure in the mouse programs sex-specific renal adaptations in the renin-angiotensin-aldosterone system in 6-month offspring. <i>Physiological Reports</i> , 2016, 4, e12754.	0.7	25
28	Sex-Specific Metabolic Outcomes in Offspring of Female Rats Born Small or Exposed to Stress During Pregnancy. <i>Endocrinology</i> , 2016, 157, 4104-4120.	1.4	25
29	Placental adaptations to micronutrient dysregulation in the programming of chronic disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 871-884.	0.9	25
30	Maternal exercise in rats upregulates the placental insulin-like growth factor system with diet- and sex-specific responses: minimal effects in mothers born growth restricted. <i>Journal of Physiology</i> , 2018, 596, 5947-5964.	1.3	25
31	Is the link between elevated TSH and gestational diabetes mellitus dependant on diagnostic criteria and thyroid antibody status: a systematic review and meta-analysis. <i>Endocrine</i> , 2021, 74, 38-49.	1.1	25
32	The effects of gestational age and maternal hypoxia on the placental renin angiotensin system in the mouse. <i>Placenta</i> , 2014, 35, 953-961.	0.7	24
33	Prenatal corticosterone exposure programs sex-specific adrenal adaptations in mouse offspring. <i>Journal of Endocrinology</i> , 2017, 232, 37-48.	1.2	24
34	Maternal Selenium Deficiency in Mice Alters Offspring Glucose Metabolism and Thyroid Status in a Sexually Dimorphic Manner. <i>Nutrients</i> , 2020, 12, 267.	1.7	24
35	Proteomic Analysis of Placental Mitochondria Following Trophoblast Differentiation. <i>Frontiers in Physiology</i> , 2019, 10, 1536.	1.3	23
36	Elevated maternal linoleic acid reduces circulating leptin concentrations, cholesterol levels and male fetal survival in a rat model. <i>Journal of Physiology</i> , 2019, 597, 3349-3361.	1.3	19

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37	Linoleic Acid Increases Prostaglandin E2 Release and Reduces Mitochondrial Respiration and Cell Viability in Human Trophoblast-Like Cells. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 94-108.	1.1	19
38	Maternal growth restriction and stress exposure in rats differentially alters expression of components of the placental glucocorticoid barrier and nutrient transporters. <i>Placenta</i> , 2017, 59, 30-38.	0.7	18
39	Maternal corticosterone in the mouse alters oxidative stress markers, antioxidant function and mitochondrial content in placentas of female fetuses. <i>Journal of Physiology</i> , 2019, 597, 3053-3067.	1.3	18
40	Maternal High Linoleic Acid Alters Placental Fatty Acid Composition. <i>Nutrients</i> , 2020, 12, 2183.	1.7	18
41	Exercise initiated during pregnancy in rats born growth restricted alters placental mTOR and nutrient transporter expression. <i>Journal of Physiology</i> , 2019, 597, 1905-1918.	1.3	17
42	Differential mRNA Expression and Glucocorticoid-Mediated Regulation of TRPM6 and TRPM7 in the Heart and Kidney throughout Murine Pregnancy and Development. <i>PLoS ONE</i> , 2015, 10, e0117978.	1.1	17
43	Analysis of Selenoprotein Expression in Response to Dietary Selenium Deficiency During Pregnancy Indicates Tissue Specific Differential Expression in Mothers and Sex Specific Changes in the Fetus and Offspring. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2210.	1.8	16
44	Adrenal, metabolic and cardiovascular dysfunction develops after pregnancy in rats born small or stressed by physiological measurements during pregnancy. <i>Journal of Physiology</i> , 2016, 594, 6055-6068.	1.3	14
45	Mitochondrial transformations in the aging human placenta. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E981-E994.	1.8	14
46	Maternal exercise and growth restriction in rats alters placental angiogenic factors and blood space area in a sex-specific manner. <i>Placenta</i> , 2018, 74, 47-54.	0.7	12
47	Low serum selenium in pregnancy is associated with reduced T3 and increased risk of GDM. <i>Journal of Endocrinology</i> , 2021, 248, 45-57.	1.2	12
48	The effects of low-moderate dose prenatal ethanol exposure on the fetal and postnatal rat lung. <i>Journal of Developmental Origins of Health and Disease</i> , 2013, 4, 358-367.	0.7	10
49	Pregnancy and diet-related changes in the maternal gut microbiota following exposure to an elevated linoleic acid diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E276-E285.	1.8	10
50	Maternal and Postnatal High Linoleic Acid Diet Impacts Lipid Metabolism in Adult Rat Offspring in a Sex-Specific Manner. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2946.	1.8	10
51	Analysis of mitochondrial regulatory transcripts in publicly available datasets with validation in placentae from pre-term, post-term and fetal growth restriction pregnancies. <i>Placenta</i> , 2021, 112, 162-171.	0.7	9
52	Uteroplacental insufficiency in rats induces renal apoptosis and delays nephrogenesis completion. <i>Acta Physiologica</i> , 2018, 222, e12982.	1.8	8
53	Periconceptional ethanol exposure alters the stress axis in adult female but not male rat offspring. <i>Stress</i> , 2019, 22, 347-357.	0.8	8
54	A Novel Ferritin-Core Analog Is a Safe and Effective Alternative to Oral Ferrous Iron for Treating Iron Deficiency during Pregnancy in Mice. <i>Journal of Nutrition</i> , 2022, 152, 714-722.	1.3	8

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55	The Placental Ferroxidase Zyklopen Is Not Essential for Iron Transport to the Fetus in Mice. <i>Journal of Nutrition</i> , 2021, 151, 2541-2550.	1.3	7
56	The effect of high maternal linoleic acid on endocannabinoid signalling in rodent hearts. <i>Journal of Developmental Origins of Health and Disease</i> , 2020, 11, 617-622.	0.7	6
57	Maternal selenium deficiency in mice promotes sex-specific changes to urine flow and renal expression of mitochondrial proteins in adult offspring. <i>Physiological Reports</i> , 2021, 9, e14785.	0.7	5
58	Selenium Deficiency during Pregnancy in Mice Impairs Exercise Performance and Metabolic Function in Adult Offspring. <i>Nutrients</i> , 2022, 14, 1125.	1.7	4
59	Periconceptual ethanol exposure alters hypothalamic-pituitary-adrenal axis function, signalling elements and associated behaviours in a rodent model. <i>Psychoneuroendocrinology</i> , 2020, 122, 104901.	1.3	3
60	Maternal exercise alters rat fetoplacental stress response: Minimal effects of maternal growth restriction and high-fat feeding. <i>Placenta</i> , 2021, 104, 57-70.	0.7	3
61	Maternal diet high in linoleic acid alters offspring fatty acids and cardiovascular function in a rat model. <i>British Journal of Nutrition</i> , 2022, 127, 540-553.	1.2	3
62	Sex-Specific Differences in Lysine, 3-Hydroxybutyric Acid and Acetic Acid in Offspring Exposed to Maternal and Postnatal High Linoleic Acid Diet, Independent of Diet. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10223.	1.8	3
63	Maternal hypothyroidism in rats reduces placental lactogen, lowers insulin levels and causes glucose intolerance. <i>Endocrinology</i> , 2021, , .	1.4	3
64	The effect of gestational age on mitochondrial properties of the mouse placenta. <i>Reproduction and Fertility</i> , 2022, 3, 19-29.	0.6	3
65	Role of a Maternal Diet High in Linoleic Acid on the Plasma Fatty Acid Composition in Rat Offspring. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	2
66	Prenatal Choline Supplementation Alters One Carbon Metabolites in a Rat Model of Periconceptual Alcohol Exposure. <i>Nutrients</i> , 2022, 14, 1874.	1.7	2
67	Maternal corticosterone exposure in the mouse causes sex specific alterations in placental OGT and O-linked glycosylation.. <i>Placenta</i> , 2015, 36, A5.	0.7	1
68	Sex-specific placental IGF-system adaptations to maternal exercise in growth restricted mothers. <i>Placenta</i> , 2017, 57, 242.	0.7	1
69	The Developmental Origins of Renal Dysfunction. , 2016, , 291-314.		0
70	The current state of reproductive biology research in Australia and New Zealand: core themes from the Society for Reproductive Biology Annual Meeting, 2016. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1883.	0.1	0
71	Mitochondrial metabolic and bioenergetic adaptations associated with the morphological and functional transformation from cytotrophoblast to syncytiotrophoblast. <i>Placenta</i> , 2019, 83, e92-e93.	0.7	0
72	Maternal and postnatal diet high in linoleic acid alters fatty acid composition, cholesterol and hepatic gene expression, in adult offspring in a sex-specific manner. <i>FASEB Journal</i> , 2021, 35, .	0.2	0

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73	Elevated maternal linoleic acid alters placental fatty acids, nutrient transporters and inflammatory proteins. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
74	Developmental Vitamin D Deficiency in Pregnant Rats Does Not Induce Preeclampsia. <i>Nutrients</i> , 2021, 13, 4254.	1.7	0