

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	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
2	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
3	The effect of gestational age on mitochondrial properties of the mouse placenta. <i>Reproduction and Fertility</i> , 2022, 3, 19-29.	0.6	3
4	Selenium Deficiency during Pregnancy in Mice Impairs Exercise Performance and Metabolic Function in Adult Offspring. <i>Nutrients</i> , 2022, 14, 1125.	1.7	4
5	Prenatal Choline Supplementation Alters One Carbon Metabolites in a Rat Model of Periconceptual Alcohol Exposure. <i>Nutrients</i> , 2022, 14, 1874.	1.7	2
6	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
7	Mitochondrial dysfunction in placental trophoblast cells experiencing gestational diabetes mellitus. <i>Journal of Physiology</i> , 2021, 599, 1291-1305.	1.3	30
8	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
9	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
10	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
11	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
12	Letâ€™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
13	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
14	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
15	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
16	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
17	Maternal hypothyroidism in rats reduces placental lactogen, lowers insulin levels and causes glucose intolerance. <i>Endocrinology</i> , 2021, , .	1.4	3
18	Developmental Vitamin D Deficiency in Pregnant Rats Does Not Induce Preeclampsia. <i>Nutrients</i> , 2021, 13, 4254.	1.7	0

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19	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
20	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
21	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
22	Maternal High Linoleic Acid Alters Placental Fatty Acid Composition. <i>Nutrients</i> , 2020, 12, 2183.	1.7	18
23	Periconceptional 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
24	Mitochondrial transformations in the aging human placenta. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E981-E994.	1.8	14
25	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
26	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
27	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
28	Elevated maternal linoleic acid alters placental fatty acids, nutrient transporters and inflammatory proteins. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
29	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
30	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
31	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
32	Mitochondrial isolation, cryopreservation and preliminary biochemical characterisation from placental cytotrophoblast and syncytiotrophoblast. <i>Placenta</i> , 2019, 82, 1-4.	0.7	29
33	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
34	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
35	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
36	Proteomic Analysis of Placental Mitochondria Following Trophoblast Differentiation. <i>Frontiers in Physiology</i> , 2019, 10, 1536.	1.3	23

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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	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
39	Peripheral modulation of the endocannabinoid system in metabolic disease. <i>Drug Discovery Today</i> , 2018, 23, 592-604.	3.2	31
40	Uteroplacental insufficiency in rats induces renal apoptosis and delays nephrogenesis completion. <i>Acta Physiologica</i> , 2018, 222, e12982.	1.8	8
41	Placental mitochondrial adaptations in preeclampsia associated with progression to term delivery. <i>Cell Death and Disease</i> , 2018, 9, 1150.	2.7	63
42	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
43	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
44	Effects of periconceptual 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
45	Review: Placental derived biomarkers of pregnancy disorders. <i>Placenta</i> , 2017, 54, 104-110.	0.7	90
46	Biomarkers of oxidative stress in pregnancy complications. <i>Biomarkers in Medicine</i> , 2017, 11, 295-306.	0.6	54
47	Dexamethasone and sex regulate placental glucocorticoid receptor isoforms in mice. <i>Journal of Endocrinology</i> , 2017, 234, 89-100.	1.2	37
48	Review: Effects of maternal micronutrient supplementation on placental function. <i>Placenta</i> , 2017, 54, 38-44.	0.7	27
49	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
50	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
51	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
52	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
53	Sex-specific placental IGF-system adaptations to maternal exercise in growth restricted mothers. <i>Placenta</i> , 2017, 57, 242.	0.7	1
54	Prenatal corticosterone exposure programs sex-specific adrenal adaptations in mouse offspring. <i>Journal of Endocrinology</i> , 2017, 232, 37-48.	1.2	24

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55	The Developmental Origins of Renal Dysfunction. , 2016, , 291-314.		0
56	Programming of maternal and offspring disease: impact of growth restriction, fetal sex and transmission across generations. Journal of Physiology, 2016, 594, 4727-4740.	1.3	112
57	Adrenal, metabolic and cardio-renal dysfunction develops after pregnancy in rats born small or stressed by physiological measurements during pregnancy. Journal of Physiology, 2016, 594, 6055-6068.	1.3	14
58	Maternal corticosterone exposure in the mouse programs sex-specific renal adaptations in the renin-angiotensin-aldosterone system in 6-month offspring. Physiological Reports, 2016, 4, e12754.	0.7	25
59	Sex-Specific Metabolic Outcomes in Offspring of Female Rats Born Small or Exposed to Stress During Pregnancy. Endocrinology, 2016, 157, 4104-4120.	1.4	25
60	Acute restraint stress induces rapid changes in central redox status and protective antioxidant genes in rats. Psychoneuroendocrinology, 2016, 67, 104-112.	1.3	28
61	Maternal hypomagnesemia causes placental abnormalities and fetal and postnatal mortality. Placenta, 2015, 36, 750-758.	0.7	31
62	Excess prenatal corticosterone exposure results in albuminuria, sex-specific hypotension, and altered heart rate responses to restraint stress in aged adult mice. American Journal of Physiology - Renal Physiology, 2015, 308, F1065-F1073.	1.3	29
63	Maternal corticosterone exposure in the mouse causes sex specific alterations in placental OGT and O-linked glycosylation.. Placenta, 2015, 36, A5.	0.7	1
64	Differential mRNA Expression and Glucocorticoid-Mediated Regulation of TRPM6 and TRPM7 in the Heart and Kidney throughout Murine Pregnancy and Development. PLoS ONE, 2015, 10, e0117978.	1.1	17
65	Mid- to late term hypoxia in the mouse alters placental morphology, glucocorticoid regulatory pathways and nutrient transporters in a sex-specific manner. Journal of Physiology, 2014, 592, 3127-3141.	1.3	99
66	The effects of gestational age and maternal hypoxia on the placental renin angiotensin system in the mouse. Placenta, 2014, 35, 953-961.	0.7	24
67	Periconceptual alcohol consumption causes fetal growth restriction and increases glycogen accumulation in the late gestation rat placenta. Placenta, 2014, 35, 50-57.	0.7	80
68	Activation of Cold-Sensing Transient Receptor Potential Melastatin Subtype 8 Antagonizes Vasoconstriction and Hypertension Through Attenuating RhoA/Rho Kinase Pathway. Hypertension, 2014, 63, 1354-1363.	1.3	55
69	The effects of low-moderate dose prenatal ethanol exposure on the fetal and postnatal rat lung. Journal of Developmental Origins of Health and Disease, 2013, 4, 358-367.	0.7	10
70	Prenatal Exposure to Dexamethasone in the Mouse Alters Cardiac Growth Patterns and Increases Pulse Pressure in Aged Male Offspring. PLoS ONE, 2013, 8, e69149.	1.1	36
71	Maternal Corticosterone Exposure in the Mouse Has Sex-Specific Effects on Placental Growth and mRNA Expression. Endocrinology, 2012, 153, 5500-5511.	1.4	85
72	Short- and long-term effects of exposure to natural and synthetic glucocorticoids during development. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 979-989.	0.9	76

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73	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
74	Review: Sex specific programming: A critical role for the renal renin-angiotensin system. <i>Placenta</i> , 2010, 31, S40-S46.	0.7	101