

Stephen G Matthews

List of Publications by Year in descending order

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173
papers

11,395
citations

25034

57
h-index

31849

101
g-index

178
all docs

178
docs citations

178
times ranked

10336
citing authors

#	ARTICLE	IF	CITATIONS
1	Nurturing care: promoting early childhood development. <i>Lancet, The</i> , 2017, 389, 91-102.	13.7	1,014
2	Endocrine and Paracrine Regulation of Birth at Term and Preterm*. <i>Endocrine Reviews</i> , 2000, 21, 514-550.	20.1	726
3	Fetal programming of hypothalamo-pituitary-adrenal function: prenatal stress and glucocorticoids. <i>Journal of Physiology</i> , 2006, 572, 31-44.	2.9	490
4	Early programming of the hypothalamo-pituitary-adrenal axis. <i>Trends in Endocrinology and Metabolism</i> , 2002, 13, 373-380.	7.1	450
5	Glucocorticoids and fetal programming part 1: outcomes. <i>Nature Reviews Endocrinology</i> , 2014, 10, 391-402.	9.6	441
6	Antenatal Glucocorticoids and Programming of the Developing CNS. <i>Pediatric Research</i> , 2000, 47, 291-300.	2.3	336
7	Glucocorticoids and fetal programming part 2: mechanisms. <i>Nature Reviews Endocrinology</i> , 2014, 10, 403-411.	9.6	334
8	Multiple courses of antenatal corticosteroids for preterm birth (MACS): a randomised controlled trial. <i>Lancet, The</i> , 2008, 372, 2143-2151.	13.7	333
9	Fetal programming of hypothalamic-pituitary-adrenal (HPA) axis function and behavior by synthetic glucocorticoids. <i>Brain Research Reviews</i> , 2008, 57, 586-595.	9.0	221
10	Short periods of prenatal stress affect growth, behaviour and hypothalamo-pituitary-adrenal axis activity in male guinea pig offspring. <i>Journal of Physiology</i> , 2005, 566, 967-977.	2.9	175
11	Early detection of health and welfare compromises through automated detection of behavioural changes in pigs. <i>Veterinary Journal</i> , 2016, 217, 43-51.	1.7	172
12	Maternal glucocorticoid treatment programs HPA regulation in adult offspring: sex-specific effects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E729-E739.	3.5	161
13	Prenatal Stress, Glucocorticoids, and Developmental Programming of the Stress Response. <i>Endocrinology</i> , 2018, 159, 69-82.	2.8	156
14	Glucocorticoids and Sex-Dependent Development of Brain Glucocorticoid and Mineralocorticoid Receptors. <i>Endocrinology</i> , 2003, 144, 2775-2784.	2.8	147
15	Prenatal Synthetic Glucocorticoid Treatment Changes DNA Methylation States in Male Organ Systems: Multigenerational Effects. <i>Endocrinology</i> , 2012, 153, 3269-3283.	2.8	138
16	Transgenerational effects of prenatal nutrient restriction on cardiovascular and hypothalamic-pituitary-adrenal function. <i>Journal of Physiology</i> , 2008, 586, 2217-2229.	2.9	130
17	Maternal dexamethasone treatment in late gestation alters glucocorticoid and mineralocorticoid receptor mRNA in the fetal guinea pig brain. <i>Brain Research</i> , 1999, 846, 253-259.	2.2	118
18	Repeated doses of antenatal corticosteroids in animals: A systematic review. <i>American Journal of Obstetrics and Gynecology</i> , 2002, 186, 843-849.	1.3	116

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19	Minireview: Transgenerational Inheritance of the Stress Response: A New Frontier in Stress Research. <i>Endocrinology</i> , 2010, 151, 7-13.	2.8	110
20	Genome Wide Association Identifies Common Variants at the SERPINA6/SERPINA1 Locus Influencing Plasma Cortisol and Corticosteroid Binding Globulin. <i>PLoS Genetics</i> , 2014, 10, e1004474.	3.5	105
21	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. <i>Journal of Physiology</i> , 2018, 596, 5535-5569.	2.9	105
22	Fetal Mechanisms in Neurodevelopmental Disorders. <i>Pediatric Neurology</i> , 2008, 38, 163-176.	2.1	104
23	Automated tracking to measure behavioural changes in pigs for health and welfare monitoring. <i>Scientific Reports</i> , 2017, 7, 17582.	3.3	101
24	The effects of prenatal stress on learning in adult offspring is dependent on the timing of the stressor. <i>Behavioural Brain Research</i> , 2009, 197, 144-149.	2.2	100
25	Multiple Courses of Antenatal Corticosteroids for Preterm Birth Study. <i>JAMA Pediatrics</i> , 2013, 167, 1102-10.	6.2	99
26	Antenatal glucocorticoids and the developing brain: mechanisms of action. <i>Seminars in Fetal and Neonatal Medicine</i> , 2001, 6, 309-317.	2.7	96
27	Prenatal Glucocorticoid Exposure Modifies Endocrine Function and Behaviour for 3 Generations Following Maternal and Paternal Transmission. <i>Scientific Reports</i> , 2017, 7, 11814.	3.3	96
28	Effect of Antenatal Corticosteroids on Fetal Growth and Gestational Age at Birth. <i>Obstetrics and Gynecology</i> , 2012, 119, 917-923.	2.4	93
29	Multidrug Resistance Phosphoglycoprotein (ABCB1) in the Mouse Placenta: Fetal Protection1. <i>Biology of Reproduction</i> , 2005, 73, 591-597.	2.7	92
30	Dynamic changes in glucocorticoid and mineralocorticoid receptor mRNA in the developing guinea pig brain. <i>Developmental Brain Research</i> , 1998, 107, 123-132.	1.7	91
31	A Short Period of Maternal Nutrient Restriction in Late Gestation Modifies Pituitary-Adrenal Function in Adult Guinea Pig Offspring. <i>Neuroendocrinology</i> , 2001, 73, 302-311.	2.5	89
32	Hyperactivation of the Hypothalamo-Pituitary-Adrenocortical Axis in Streptozotocin-Diabetes Is Associated with Reduced Stress Responsiveness and Decreased Pituitary and Adrenal Sensitivity. <i>Endocrinology</i> , 2002, 143, 1761-1768.	2.8	89
33	Maternal nutrient restriction (48 h) modifies brain corticosteroid receptor expression and endocrine function in the fetal guinea pig. <i>Brain Research</i> , 1999, 846, 236-242.	2.2	85
34	Programming of the Hypothalamo-Pituitary-Adrenal Axis: Serotonergic Involvement. <i>Stress</i> , 2004, 7, 15-27.	1.8	85
35	Prenatal Stress Modifies Behavior and Hypothalamic-Pituitary-Adrenal Function in Female Guinea Pig Offspring: Effects of Timing of Prenatal Stress and Stage of Reproductive Cycle. <i>Endocrinology</i> , 2008, 149, 6406-6415.	2.8	85
36	Molecular Regulation of the Hypothalamo-Pituitary-Adrenal Axis in Streptozotocin-Induced Diabetes: Effects of Insulin Treatment. <i>Endocrinology</i> , 2001, 142, 4872-4879.	2.8	84

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37	Glucocorticoid Programming of the Fetal Male Hippocampal Epigenome. <i>Endocrinology</i> , 2013, 154, 1168-1180.	2.8	83
38	The Maternal Adversity, Vulnerability and Neurodevelopment Project: Theory and Methodology. <i>Canadian Journal of Psychiatry</i> , 2014, 59, 497-508.	1.9	76
39	Diabetes Impairs Hypothalamo-Pituitary-Adrenal (HPA) Responses to Hypoglycemia, and Insulin Treatment Normalizes HPA but not Epinephrine Responses. <i>Diabetes</i> , 2002, 51, 1681-1689.	0.6	75
40	Chronic maternal stress affects growth, behaviour and hypothalamo-pituitary-adrenal function in juvenile offspring. <i>Hormones and Behavior</i> , 2008, 54, 514-520.	2.1	74
41	The ontogeny of P-glycoprotein in the developing human blood-brain barrier: implication for opioid toxicity in neonates. <i>Pediatric Research</i> , 2015, 78, 417-421.	2.3	73
42	Expression of severe acute respiratory syndrome coronavirus 2 cell entry genes, angiotensin-converting enzyme 2 and transmembrane protease serine 2, in the placenta across gestation and at the maternal-fetal interface in pregnancies complicated by preterm birth or preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 298.e1-298.e8.	1.3	73
43	Prenatal Glucocorticoid Modifies Hypothalamo-Pituitary-Adrenal Regulation in Prepubertal Guinea Pigs. <i>Neuroendocrinology</i> , 2001, 73, 194-202.	2.5	70
44	Transgenerational Effects of Prenatal Synthetic Glucocorticoids on Hypothalamic-Pituitary-Adrenal Function. <i>Endocrinology</i> , 2012, 153, 3295-3307.	2.8	70
45	Regulation of the hypothalamo-pituitary-adrenocortical axis in fetal sheep. <i>Trends in Endocrinology and Metabolism</i> , 1996, 7, 239-246.	7.1	69
46	Transgenerational inheritance of stress pathology. <i>Experimental Neurology</i> , 2012, 233, 95-101.	4.1	69
47	Prenatal glucocorticoid exposure alters hypothalamic-pituitary-adrenal function and blood pressure in mature male guinea pigs. <i>Journal of Physiology</i> , 2004, 558, 305-318.	2.9	68
48	Attenuation of type 2 diabetes mellitus in the male Zucker diabetic fatty rat: the effects of stress and non-volitional exercise. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 732-744.	3.4	67
49	Programming of stress pathways: A transgenerational perspective. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 160, 175-180.	2.5	67
50	Sex differences in hormonal responses to a social stressor in chronic major depression. <i>Psychoneuroendocrinology</i> , 2009, 34, 1235-1241.	2.7	66
51	Association between gestational age at birth, antenatal corticosteroids, and outcomes at 5 years: multiple courses of antenatal corticosteroids for preterm birth study at 5 years of age (MACS-5). <i>BMC Pregnancy and Childbirth</i> , 2014, 14, 272.	2.4	64
52	Impact of Bacterial and Viral Challenge on Multidrug Resistance in First- and Third-Trimester Human Placenta. <i>American Journal of Pathology</i> , 2015, 185, 1666-1675.	3.8	64
53	Multiple Courses of Antenatal Corticosteroids for Preterm Birth Study: 2-Year Outcomes. <i>Pediatrics</i> , 2010, 126, e1045-e1055.	2.1	62
54	Proximal Cerebral Arteries Develop Myogenic Responsiveness in Heart Failure via Tumor Necrosis Factor- α -Dependent Activation of Sphingosine-1-Phosphate Signaling. <i>Circulation</i> , 2012, 126, 196-206.	1.6	62

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55	Effects of Antenatal Synthetic Glucocorticoid on Glucocorticoid Receptor Binding, DNA Methylation, and Genome-Wide mRNA Levels in the Fetal Male Hippocampus. <i>Endocrinology</i> , 2013, 154, 4170-4181.	2.8	62
56	Prenatal synthetic glucocorticoid exposure alters hypothalamic-pituitary-adrenal regulation and pregnancy outcomes in mature female guinea pigs. <i>Journal of Physiology</i> , 2010, 588, 887-899.	2.9	61
57	Adult Glucocorticoid Exposure Leads to Transcriptional and DNA Methylation Changes in Nuclear Steroid Receptors in the Hippocampus and Kidney of Mouse Male Offspring ¹ . <i>Biology of Reproduction</i> , 2014, 90, 43.	2.7	58
58	Changes in basal hypothalamo-pituitary-adrenal activity during exercise training are centrally mediated. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1360-R1371.	1.8	57
59	Multiple courses of antenatal corticosteroids: A systematic review and meta-analysis. <i>American Journal of Obstetrics and Gynecology</i> , 2001, 185, 1073-1080.	1.3	56
60	Insulin Alone Increases Hypothalamo-Pituitary-Adrenal Activity, and Diabetes Lowers Peak Stress Responses. <i>Endocrinology</i> , 2005, 146, 1382-1390.	2.8	54
61	Swim training prevents hyperglycemia in ZDF rats: mechanisms involved in the partial maintenance of β -cell function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E271-E283.	3.5	53
62	Psychological stressors as a model of maternal adversity: Diurnal modulation of corticosterone responses and changes in maternal behavior. <i>Hormones and Behavior</i> , 2007, 51, 77-88.	2.1	52
63	Developmental programming of the HPA axis and related behaviours: epigenetic mechanisms. <i>Journal of Endocrinology</i> , 2019, 242, T69-T79.	2.6	52
64	Pro-Inflammatory Cytokine Regulation of P-glycoprotein in the Developing Blood-Brain Barrier. <i>PLoS ONE</i> , 2012, 000, e43022.	2.5	51
65	Molecular regulation of the hypothalamic-pituitary-adrenal axis in adult male guinea pigs after prenatal stress at different stages of gestation. <i>Journal of Physiology</i> , 2008, 586, 4317-4326.	2.9	48
66	Prenatal Endotoxemia and Placental Drug Transport in The Mouse: Placental Size-Specific Effects. <i>PLoS ONE</i> , 2013, 8, e65728.	2.5	46
67	Repeated maternal glucocorticoid treatment affects activity and hippocampal NMDA receptor expression in juvenile guinea pigs. <i>Journal of Physiology</i> , 2007, 578, 249-257.	2.9	45
68	Effects of Maternal Dexamethasone Treatment in Early Pregnancy on Pituitary-Adrenal Axis in Fetal Sheep. <i>Endocrinology</i> , 2009, 150, 5466-5477.	2.8	45
69	Antenatal Dexamethasone Treatment in Midgestation Reduces System A-Mediated Transport in the Late-Gestation Murine Placenta. <i>Endocrinology</i> , 2011, 152, 3561-3570.	2.8	45
70	Functional Changes of Mouse Placental Multidrug Resistance Phosphoglycoprotein (ABCB1) With Advancing Gestation and Regulation by Progesterone. <i>Reproductive Sciences</i> , 2007, 14, 321-328.	2.5	44
71	Effects of repeated prenatal glucocorticoid exposure on long-term potentiation in the juvenile guinea-pig hippocampus. <i>Journal of Physiology</i> , 2007, 581, 1033-1042.	2.9	42
72	P-glycoprotein (P-gp)/ABCB1 plays a functional role in extravillous trophoblast (EVT) invasion and is decreased in the pre-eclamptic placenta. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5378-5393.	3.6	40

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73	Effects of antecedent hypoglycemia, hyperinsulinemia, and excess corticosterone on hypoglycemic counterregulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E455-E465.	3.5	38
74	Corticosteroid Regulation of P-Glycoprotein in the Developing Blood-Brain Barrier. <i>Endocrinology</i> , 2011, 152, 1067-1079.	2.8	38
75	Characterization and novel analyses of acute stress response patterns in a population-based cohort of young adults: influence of gender, smoking, and BMI. <i>Stress</i> , 2016, 19, 139-150.	1.8	38
76	Developmental expression of multidrug resistance phosphoglycoprotein (P-gp) in the mouse fetal brain and glucocorticoid regulation. <i>Brain Research</i> , 2010, 1357, 9-18.	2.2	37
77	Prenatal programming of stress responsiveness and behaviours: Progress and perspectives. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12674.	2.6	37
78	Hyperglycemia does not increase basal hypothalamo-pituitary-adrenal activity in diabetes but it does impair the HPA response to insulin-induced hypoglycemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R235-R246.	1.8	36
79	Expression of glucocorticoid receptor, mineralocorticoid receptor, and 11 β -hydroxysteroid dehydrogenase 1 and 2 in the fetal and postnatal ovine hippocampus: ontogeny and effects of prenatal glucocorticoid exposure. <i>Journal of Endocrinology</i> , 2008, 197, 213-220.	2.6	36
80	Effects of chronic maternal stress on hypothalamo-pituitary-adrenal (HPA) function and behavior: No reversal by environmental enrichment. <i>Hormones and Behavior</i> , 2011, 60, 589-598.	2.1	35
81	Testosterone is involved in mediating the effects of prenatal stress in male guinea pig offspring. <i>Journal of Physiology</i> , 2011, 589, 755-766.	2.9	34
82	Effects of Sertraline and Fluoxetine on P-Glycoprotein at Barrier Sites: In Vivo and In Vitro Approaches. <i>PLoS ONE</i> , 2013, 8, e56525.	2.5	34
83	Acute Effects of Viral Exposure on P-Glycoprotein Function in the Mouse Fetal Blood-Brain Barrier. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 1044-1050.	1.6	34
84	Maternal malnutrition impacts placental morphology and transporter expression: an origin for poor offspring growth. <i>Journal of Nutritional Biochemistry</i> , 2020, 78, 108329.	4.2	34
85	Effects of recurrent hyperinsulinemia with and without hypoglycemia on counterregulation in diabetic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E1369-E1379.	3.5	32
86	Exercise maintains euglycemia in association with decreased activation of c-Jun NH ₂ -terminal kinase and serine phosphorylation of IRS-1 in the liver of ZDF rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E671-E682.	3.5	31
87	TGF- β 1 Regulation of Multidrug Resistance P-glycoprotein in the Developing Male Blood-Brain Barrier. <i>Endocrinology</i> , 2014, 155, 475-484.	2.8	31
88	Glucocorticoids modulate multidrug resistance transporters in the first trimester human placenta. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3652-3660.	3.6	31
89	Regulation of glucocorticoid receptor mRNA and heat shock protein 70 mRNA in the developing sheep brain. <i>Brain Research</i> , 2000, 878, 174-182.	2.2	30
90	Association between the seven-repeat allele of the dopamine-4 receptor gene (DRD4) and spontaneous food intake in pre-school children. <i>Appetite</i> , 2014, 73, 15-22.	3.7	30

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91	Gestational age-dependent gene expression profiling of <i>ATP-binding cassette transporters</i> in the healthy human placenta. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 610-618.	3.6	30
92	Multidrug resistance phosphoglycoprotein (ABCB1) expression in the guinea pig placenta: developmental changes and regulation by betamethasone. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 973-978.	1.4	29
93	CRH and AVP-induced changes in synthesis and release of ACTH from the ovine fetal pituitary in vitro: Negative influences of cortisol. <i>Endocrine</i> , 1997, 6, 293-300.	2.3	28
94	The interplay of birth weight, dopamine receptor D4 gene (DRD4), and early maternal care in the prediction of disorganized attachment at 36 months of age. <i>Development and Psychopathology</i> , 2015, 27, 1145-1161.	2.3	28
95	Repeated Antenatal Glucocorticoid Exposure and the Developing Brain: Commentary on the article by Modi et al. on page 581. <i>Pediatric Research</i> , 2001, 50, 563-564.	2.3	26
96	Developmental regulation of the 5-HT ₇ serotonin receptor and transcription factor NGFI-A in the fetal guinea-pig limbic system: influence of GCs. <i>Journal of Physiology</i> , 2004, 555, 659-670.	2.9	26
97	Synthetic Glucocorticoid Reduces Human Placental System A Transport in Women Treated With Antenatal Therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2226-E2233.	3.6	26
98	Antenatal Glucocorticoid Exposure Results in Sex-Specific and Transgenerational Changes in Prefrontal Cortex Gene Transcription that Relate to Behavioural Outcomes. <i>Scientific Reports</i> , 2019, 9, 764.	3.3	26
99	Low maternal sensitivity at 6 months of age predicts higher BMI in 48 month old girls but not boys. <i>Appetite</i> , 2014, 82, 97-102.	3.7	24
100	Breast Cancer Resistance Protein (BCRP/ABCG2) Inhibits Extra Villous Trophoblast Migration: The Impact of Bacterial and Viral Infection. <i>Cells</i> , 2019, 8, 1150.	4.1	23
101	Recurrent intermittent restraint delays fed and fasting hyperglycemia and improves glucose return to baseline levels during glucose tolerance tests in the Zucker diabetic fatty rat—role of food intake and corticosterone. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 1065-1075.	3.4	22
102	Molecular Regulation of the Hypothalamo-Pituitary-Adrenal Axis in Streptozotocin-Induced Diabetes: Effects of Insulin Treatment. <i>Endocrinology</i> , 2001, 142, 4872-4879.	2.8	22
103	Hyperactivation of the Hypothalamo-Pituitary-Adrenocortical Axis in Streptozotocin-Diabetes Is Associated with Reduced Stress Responsiveness and Decreased Pituitary and Adrenal Sensitivity. <i>Endocrinology</i> , 2002, 143, 1761-1768.	2.8	22
104	Effects of diabetes and recurrent hypoglycemia on the regulation of the sympathoadrenal system and hypothalamo-pituitary-adrenal axis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 288, E422-E429.	3.5	21
105	Effects of Insulin Treatment without and with Recurrent Hypoglycemia on Hypoglycemic Counterregulation and Adrenal Catecholamine-Synthesizing Enzymes in Diabetic Rats. <i>Endocrinology</i> , 2006, 147, 1860-1870.	2.8	21
106	Sertraline Alters Multidrug Resistance Phosphoglycoprotein Activity in the Mouse Placenta and Fetal Blood—Brain Barrier. <i>Reproductive Sciences</i> , 2012, 19, 407-415.	2.5	21
107	Prenatal Glucocorticoid Exposure Results in Changes in Gene Transcription and DNA Methylation in the Female Juvenile Guinea Pig Hippocampus Across Three Generations. <i>Scientific Reports</i> , 2019, 9, 18211.	3.3	21
108	The Multidrug Resistance 1 Gene <i>Abcb1</i> in Brain and Placenta: Comparative Analysis in Human and Guinea Pig. <i>PLoS ONE</i> , 2014, 9, e111135.	2.5	20

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109	The Ontario Birth Study: A prospective pregnancy cohort study integrating perinatal research into clinical care. <i>Paediatric and Perinatal Epidemiology</i> , 2018, 32, 290-301.	1.7	20
110	Adaptation to Mild, Intermittent Stress Delays Development of Hyperglycemia in the Zucker Diabetic Fatty Rat Independent of Food Intake: Role of Habituation of the Hypothalamic-Pituitary-Adrenal Axis. <i>Endocrinology</i> , 2008, 149, 2990-3001.	2.8	19
111	Association between maternal cannabis use and birth outcomes: an observational study. <i>BMC Pregnancy and Childbirth</i> , 2020, 20, 771.	2.4	19
112	Hypoxia alters the expression of ACE2 and TMPRSS2 SARS-CoV-2 cell entry mediators in hCMEC/D3 brain endothelial cells. <i>Microvascular Research</i> , 2021, 138, 104232.	2.5	19
113	Glucocorticoids Do Not Alter Developmental Expression of Hippocampal or Pituitary Steroid Receptor Coactivator-1 and -2 in the Late Gestation Fetal Guinea Pig. <i>Endocrinology</i> , 2004, 145, 3796-3803.	2.8	18
114	Partial leptin restoration increases hypothalamic-pituitary-adrenal activity while diminishing weight loss and hyperphagia in streptozotocin diabetic rats. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 1558-1564.	3.4	18
115	Maternal nutrient deprivation induces sex-specific changes in thyroid hormone receptor and deiodinase expression in the fetal guinea pig brain. <i>Journal of Physiology</i> , 2005, 566, 467-480.	2.9	18
116	ACE2 Is Expressed in Immune Cells That Infiltrate the Placenta in Infection-Associated Preterm Birth. <i>Cells</i> , 2021, 10, 1724.	4.1	18
117	Regulation of N-Methyl-d-Aspartate Receptor Subunit Expression in the Fetal Guinea Pig Brain1. <i>Biology of Reproduction</i> , 2004, 71, 676-683.	2.7	17
118	Malaria in pregnancy regulates P-glycoprotein (P-gp) and ABCA1 efflux transporters in the Mouse Visceral Yolk Sac. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 10636-10647.	3.6	17
119	Evaluating depression and anxiety throughout pregnancy and after birth: impact of the COVID-19 pandemic. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2022, 4, 100605.	2.6	17
120	Adrenocortical Response Profiles to Corticotrophin-Releasing Hormone and Adrenocorticotrophin Challenge in the Chronically Catheterized Adult Guinea-Pig. <i>Experimental Physiology</i> , 1999, 84, 971-977.	2.0	16
121	Developmental regulation of 5-HT1A receptor mRNA in the fetal limbic system: response to antenatal glucocorticoid. <i>Developmental Brain Research</i> , 2004, 149, 39-44.	1.7	16
122	Breast Cancer-Resistance Protein (BCRP1) in the Fetal Mouse Brain: Development and Glucocorticoid Regulation. <i>Biology of Reproduction</i> , 2011, 84, 783-789.	2.7	16
123	Glucocorticoid Regulation of Placental Breast Cancer Resistance Protein (Bcrp1) in the Mouse. <i>Reproductive Sciences</i> , 2011, 18, 631-639.	2.5	16
124	Hypothalamic-pituitary-adrenal axis activity under resting conditions and cardiovascular risk factors in adolescents. <i>Psychoneuroendocrinology</i> , 2016, 66, 118-124.	2.7	16
125	Differential Role of Smad2 and Smad3 in the Acquisition of an Endovascular Trophoblast-Like Phenotype and Preeclampsia. <i>Frontiers in Endocrinology</i> , 2020, 11, 436.	3.5	16
126	ATP-binding cassette (ABC) drug transporters in the developing blood-brain barrier: role in fetal brain protection. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	16

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127	Decreased CRH mRNA expression in the fetal guinea pig hypothalamus following maternal nutrient restriction. <i>Brain Research</i> , 2001, 896, 179-182.	2.2	15
128	Astrocyte-mediated regulation of multidrug resistance<sc>P</sc>-glycoprotein in fetal and neonatal brain endothelial cells: age-dependent effects. <i>Physiological Reports</i> , 2016, 4, e12853.	1.7	15
129	Adaptation to intermittent stress promotes maintenance of $\hat{1}^2$ -cell compensation: comparison with food restriction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E947-E958.	3.5	14
130	Function of Multidrug Resistance Transporters is Disrupted by Infection Mimics in Human Brain Endothelial Cells. <i>Tissue Barriers</i> , 2021, 9, 1860616.	3.2	14
131	Developmental regulation of preproenkephalin mRNA in the ovine paraventricular nucleus: effects of stress and glucocorticoids. <i>Developmental Brain Research</i> , 1995, 86, 259-267.	1.7	13
132	Unheard, unseen and unprotected: DOHaD councilâ€™s call for action to protect the younger generation from the long-term effects of COVID-19. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 3-5.	1.4	13
133	ANTENATAL GLUCOCORTICOIDS: IS THERE CAUSE FOR CONCERN?. <i>Fetal and Maternal Medicine Review</i> , 2003, 14, 329-354.	0.3	12
134	Foetal Experience: Lifelong Consequences. <i>Journal of Neuroendocrinology</i> , 2007, 19, 73-74.	2.6	11
135	Is perinatal neuroendocrine programming involved in the developmental origins of metabolic disorders?. <i>World Journal of Diabetes</i> , 2011, 2, 211.	3.5	11
136	DNA methylation profiles in the blood of newborn term infants born to mothers with obesity. <i>PLoS ONE</i> , 2022, 17, e0267946.	2.5	11
137	Overexposure to Antenatal Corticosteroids: A Global Concern. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2007, 29, 879.	0.7	10
138	High reactivity of the cortisol awakening response predicts positive treatment outcome in heterogeneous depressed patients completing an alternate milieu inpatient program. <i>General Hospital Psychiatry</i> , 2015, 37, 601-605.	2.4	10
139	A Growing Dilemma: Antenatal Corticosteroids and Long-Term Consequences. <i>American Journal of Perinatology</i> , 2022, 39, 592-600.	1.4	10
140	Hypothalamic oxytocin in the developing ovine fetus: interaction with pituitaryâ€™adrenocortical function. <i>Brain Research</i> , 1999, 820, 92-100.	2.2	9
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