

Stephen G Matthews

List of Publications by Citations

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172
papers

9,065
citations

52
h-index

91
g-index

178
ext. papers

10,213
ext. citations

5.2
avg, IF

6.45
L-index

#	Paper	IF	Citations
172	Endocrine and paracrine regulation of birth at term and preterm. <i>Endocrine Reviews</i> , 2000 , 21, 514-50	27.2	651
171	Nurturing care: promoting early childhood development. <i>Lancet, The</i> , 2017 , 389, 91-102	40	605
170	Fetal programming of hypothalamo-pituitary-adrenal function: prenatal stress and glucocorticoids. <i>Journal of Physiology</i> , 2006 , 572, 31-44	3.9	405
169	Early programming of the hypothalamo-pituitary-adrenal axis. <i>Trends in Endocrinology and Metabolism</i> , 2002 , 13, 373-80	8.8	405
168	Glucocorticoids and fetal programming part 1: Outcomes. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 391-402	13.2	322
167	Antenatal glucocorticoids and programming of the developing CNS. <i>Pediatric Research</i> , 2000 , 47, 291-300	9.2	292
166	Multiple courses of antenatal corticosteroids for preterm birth (MACS): a randomised controlled trial. <i>Lancet, The</i> , 2008 , 372, 2143-51	40	266
165	Glucocorticoids and fetal programming part 2: Mechanisms. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 403-11	15.2	258
164	Fetal programming of hypothalamic-pituitary-adrenal (HPA) axis function and behavior by synthetic glucocorticoids. <i>Brain Research Reviews</i> , 2008 , 57, 586-95		190
163	Maternal adversity, glucocorticoids and programming of neuroendocrine function and behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , 2005 , 29, 209-26	9	177
162	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, 967-77	3.9	154
161	Glucocorticoids and sex-dependent development of brain glucocorticoid and mineralocorticoid receptors. <i>Endocrinology</i> , 2003 , 144, 2775-84	4.8	137
160	Maternal glucocorticoid treatment programs HPA regulation in adult offspring: sex-specific effects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 280, E729-39	6	135
159	Transgenerational effects of prenatal nutrient restriction on cardiovascular and hypothalamic-pituitary-adrenal function. <i>Journal of Physiology</i> , 2008 , 586, 2217-29	3.9	121
158	Prenatal synthetic glucocorticoid treatment changes DNA methylation states in male organ systems: multigenerational effects. <i>Endocrinology</i> , 2012 , 153, 3269-83	4.8	120
157	Maternal dexamethasone treatment in late gestation alters glucocorticoid and mineralocorticoid receptor mRNA in the fetal guinea pig brain. <i>Brain Research</i> , 1999 , 846, 253-9	3.7	114
156	Prenatal Stress, Glucocorticoids, and Developmental Programming of the Stress Response. <i>Endocrinology</i> , 2018 , 159, 69-82	4.8	111

155	Early detection of health and welfare compromises through automated detection of behavioural changes in pigs. <i>Veterinary Journal</i> , 2016 , 217, 43-51	2.5	111
154	Minireview: transgenerational inheritance of the stress response: a new frontier in stress research. <i>Endocrinology</i> , 2010 , 151, 7-13	4.8	99
153	Repeated doses of antenatal corticosteroids in animals: a systematic review. <i>American Journal of Obstetrics and Gynecology</i> , 2002 , 186, 843-9	6.4	97
152	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, 144-9	3.4	92
151	Fetal mechanisms in neurodevelopmental disorders. <i>Pediatric Neurology</i> , 2008 , 38, 163-76	2.9	87
150	A short period of maternal nutrient restriction in late gestation modifies pituitary-adrenal function in adult guinea pig offspring. <i>Neuroendocrinology</i> , 2001 , 73, 302-11	5.6	86
149	Antenatal glucocorticoids and the developing brain: mechanisms of action. <i>Seminars in Fetal and Neonatal Medicine</i> , 2001 , 6, 309-17		85
148	Dynamic changes in glucocorticoid and mineralocorticoid receptor mRNA in the developing guinea pig brain. <i>Developmental Brain Research</i> , 1998 , 107, 123-32		84
147	Multidrug resistance phosphoglycoprotein (ABCB1) in the mouse placenta: fetal protection. <i>Biology of Reproduction</i> , 2005 , 73, 591-7	3.9	82
146	Maternal nutrient restriction (48 h) modifies brain corticosteroid receptor expression and endocrine function in the fetal guinea pig. <i>Brain Research</i> , 1999 , 846, 236-42	3.7	82
145	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, 1761-8	4.8	80
144	Prenatal Glucocorticoid Exposure Modifies Endocrine Function and Behaviour for 3 Generations Following Maternal and Paternal Transmission. <i>Scientific Reports</i> , 2017 , 7, 11814	4.9	79
143	Glucocorticoid programming of the fetal male hippocampal epigenome. <i>Endocrinology</i> , 2013 , 154, 1168-80	4.0	77
142	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, 6406-15	4.8	77
141	Programming of the hypothalamo-pituitary-adrenal axis: serotonergic involvement. <i>Stress</i> , 2004 , 7, 15-23		77
140	Molecular regulation of the hypothalamo-pituitary-adrenal axis in streptozotocin-induced diabetes: effects of insulin treatment. <i>Endocrinology</i> , 2001 , 142, 4872-9	4.8	76
139	Multiple courses of antenatal corticosteroids for preterm birth study: outcomes in children at 5 years of age (MACS-5). <i>JAMA Pediatrics</i> , 2013 , 167, 1102-10	8.3	74
138	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	6	71

137	Chronic maternal stress affects growth, behaviour and hypothalamo-pituitary-adrenal function in juvenile offspring. <i>Hormones and Behavior</i> , 2008 , 54, 514-20	3.7	69
136	Diabetes impairs hypothalamo-pituitary-adrenal (HPA) responses to hypoglycemia, and insulin treatment normalizes HPA but not epinephrine responses. <i>Diabetes</i> , 2002 , 51, 1681-9	0.9	65
135	Regulation of the hypothalamo-pituitary-adrenocortical axis in fetal sheep. <i>Trends in Endocrinology and Metabolism</i> , 1996 , 7, 239-46	8.8	65
134	Transgenerational effects of prenatal synthetic glucocorticoids on hypothalamic-pituitary-adrenal function. <i>Endocrinology</i> , 2012 , 153, 3295-307	4.8	64
133	Prenatal glucocorticoid modifies hypothalamo-pituitary-adrenal regulation in prepubertal guinea pigs. <i>Neuroendocrinology</i> , 2001 , 73, 194-202	5.6	64
132	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	3.9	62
131	Transgenerational inheritance of stress pathology. <i>Experimental Neurology</i> , 2012 , 233, 95-101	5.7	62
130	Prenatal glucocorticoid exposure alters hypothalamic-pituitary-adrenal function and blood pressure in mature male guinea pigs. <i>Journal of Physiology</i> , 2004 , 558, 305-18	3.9	61
129	Effect of antenatal corticosteroids on fetal growth and gestational age at birth. <i>Obstetrics and Gynecology</i> , 2012 , 119, 917-23	4.9	60
128	Sex differences in hormonal responses to a social stressor in chronic major depression. <i>Psychoneuroendocrinology</i> , 2009 , 34, 1235-41	5	59
127	Automated tracking to measure behavioural changes in pigs for health and welfare monitoring. <i>Scientific Reports</i> , 2017 , 7, 17582	4.9	58
126	The ontogeny of P-glycoprotein in the developing human blood-brain barrier: implication for opioid toxicity in neonates. <i>Pediatric Research</i> , 2015 , 78, 417-21	3.2	57
125	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, 732-44	12.7	56
124	The maternal adversity, vulnerability and neurodevelopment project: theory and methodology. <i>Canadian Journal of Psychiatry</i> , 2014 , 59, 497-508	4.8	55
123	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, 4170-81	4.8	54
122	Prenatal synthetic glucocorticoid exposure alters hypothalamic-pituitary-adrenal regulation and pregnancy outcomes in mature female guinea pigs. <i>Journal of Physiology</i> , 2010 , 588, 887-99	3.9	53
121	Programming of stress pathways: A transgenerational perspective. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 160, 175-80	5.1	52
120	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	3.2	50

119	Multiple courses of antenatal corticosteroids for preterm birth study: 2-year outcomes. <i>Pediatrics</i> , 2010 , 126, e1045-55	7.4	50
118	Proximal cerebral arteries develop myogenic responsiveness in heart failure via tumor necrosis factor- β -dependent activation of sphingosine-1-phosphate signaling. <i>Circulation</i> , 2012 , 126, 196-206	16.7	50
117	Adult glucocorticoid exposure leads to transcriptional and DNA methylation changes in nuclear steroid receptors in the hippocampus and kidney of mouse male offspring. <i>Biology of Reproduction</i> , 2014 , 90, 43	3.9	49
116	Insulin alone increases hypothalamo-pituitary-adrenal activity, and diabetes lowers peak stress responses. <i>Endocrinology</i> , 2005 , 146, 1382-90	4.8	48
115	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, R1360-71	3.2	47
114	Swim training prevents hyperglycemia in ZDF rats: mechanisms involved in the partial maintenance of beta-cell function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E271-83 ⁶		46
113	Impact of bacterial and viral challenge on multidrug resistance in first- and third-trimester human placenta. <i>American Journal of Pathology</i> , 2015 , 185, 1666-75	5.8	45
112	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	3.7	43
111	Multiple courses of antenatal corticosteroids: a systematic review and meta-analysis. <i>American Journal of Obstetrics and Gynecology</i> , 2001 , 185, 1073-80	6.4	43
110	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, 4317-26	3.9	42
109	Antenatal dexamethasone treatment in midgestation reduces system A-mediated transport in the late-gestation murine placenta. <i>Endocrinology</i> , 2011 , 152, 3561-70	4.8	41
108	Functional changes of mouse placental multidrug resistance phosphoglycoprotein (ABCB1) with advancing gestation and regulation by progesterone. <i>Reproductive Sciences</i> , 2007 , 14, 321-8	3	41
107	Repeated maternal glucocorticoid treatment affects activity and hippocampal NMDA receptor expression in juvenile guinea pigs. <i>Journal of Physiology</i> , 2007 , 578, 249-57	3.9	40
106	Pro-inflammatory cytokine regulation of P-glycoprotein in the developing blood-brain barrier. <i>PLoS ONE</i> , 2012 , 7, e43022	3.7	36
105	Effects of repeated prenatal glucocorticoid exposure on long-term potentiation in the juvenile guinea-pig hippocampus. <i>Journal of Physiology</i> , 2007 , 581, 1033-42	3.9	35
104	Effects of antecedent hypoglycemia, hyperinsulinemia, and excess corticosterone on hypoglycemic counterregulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 281, E455-65	6	35
103	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	6.4	35
102	Testosterone is involved in mediating the effects of prenatal stress in male guinea pig offspring. <i>Journal of Physiology</i> , 2011 , 589, 755-66	3.9	33

101	Developmental expression of multidrug resistance phosphoglycoprotein (P-gp) in the mouse fetal brain and glucocorticoid regulation. <i>Brain Research</i> , 2010 , 1357, 9-18	3.7	32
100	Effects of maternal dexamethasone treatment in early pregnancy on pituitary-adrenal axis in fetal sheep. <i>Endocrinology</i> , 2009 , 150, 5466-77	4.8	31
99	Expression of glucocorticoid receptor, mineralocorticoid receptor, and 11beta-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, 213-20	4.7	31
98	Prenatal endotoxemia and placental drug transport in the mouse: placental size-specific effects. <i>PLoS ONE</i> , 2013 , 8, e65728	3.7	30
97	Corticosteroid regulation of P-glycoprotein in the developing blood-brain barrier. <i>Endocrinology</i> , 2011 , 152, 1067-79	4.8	30
96	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, R235-46	3.2	30
95	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, 139-50	3	29
94	Exercise maintains euglycemia in association with decreased activation of c-Jun NH2-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, E671-82	6	29
93	Regulation of glucocorticoid receptor mRNA and heat shock protein 70 mRNA in the developing sheep brain. <i>Brain Research</i> , 2000 , 878, 174-82	3.7	29
92	Effects of sertraline and fluoxetine on p-glycoprotein at barrier sites: in vivo and in vitro approaches. <i>PLoS ONE</i> , 2013 , 8, e56525	3.7	27
91	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, 589-98	3.7	27
90	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, 973-8	2.4	27
89	Effects of recurrent hyperinsulinemia with and without hypoglycemia on counterregulation in diabetic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 282, E1369-79	6	26
88	Developmental programming of the HPA axis and related behaviours: epigenetic mechanisms. <i>Journal of Endocrinology</i> , 2019 , 242, T69-T79	4.7	26
87	Prenatal programming of stress responsiveness and behaviours: Progress and perspectives. <i>Journal of Neuroendocrinology</i> , 2019 , 31, e12674	3.8	25
86	Developmental regulation of the 5-HT7 serotonin receptor and transcription factor NGFI-A in the fetal guinea-pig limbic system: influence of GCs. <i>Journal of Physiology</i> , 2004 , 555, 659-70	3.9	24
85	Repeated antenatal glucocorticoid exposure and the developing brain. <i>Pediatric Research</i> , 2001 , 50, 563-4	4.2	23
84	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	3.9	22

83	TGF- β regulation of multidrug resistance P-glycoprotein in the developing male blood-brain barrier. <i>Endocrinology</i> , 2014 , 155, 475-84	4.8	22
82	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	4.5	22
81	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	4	22
80	Molecular Regulation of the Hypothalamo-Pituitary-Adrenal Axis in Streptozotocin-Induced Diabetes: Effects of Insulin Treatment		22
79	Hyperactivation of the Hypothalamo-Pituitary-Adrenocortical Axis in Streptozotocin-Diabetes Is Associated with Reduced Stress Responsiveness and Decreased Pituitary and Adrenal Sensitivity		22
78	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, 1145-61	4.3	21
77	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	4.5	20
76	Synthetic glucocorticoid reduces human placental system a transport in women treated with antenatal therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E2226-33	5.6	20
75	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, 1065-75	12.7	20
74	Gestational age-dependent gene expression profiling of ATP-binding cassette transporters in the healthy human placenta. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 610-618	5.6	20
73	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	4.8	19
72	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, E422-9	6	19
71	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	5.6	19
70	Glucocorticoids modulate multidrug resistance transporters in the first trimester human placenta. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 3652-3660	5.6	18
69	The multidrug resistance 1 gene Abcb1 in brain and placenta: comparative analysis in human and guinea pig. <i>PLoS ONE</i> , 2014 , 9, e111135	3.7	18
68	Sertraline alters multidrug resistance phosphoglycoprotein activity in the mouse placenta and fetal blood-brain barrier. <i>Reproductive Sciences</i> , 2012 , 19, 407-15	3	18
67	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, 1860-70	4.8	17
66	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	4.9	16

65	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, 1558-64	12.7	16
64	Maternal malnutrition impacts placental morphology and transporter expression: an origin for poor offspring growth. <i>Journal of Nutritional Biochemistry</i> , 2020 , 78, 108329	6.3	16
63	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, 3796-803	4.8	15
62	Regulation of N-methyl-D-aspartate receptor subunit expression in the fetal guinea pig brain. <i>Biology of Reproduction</i> , 2004 , 71, 676-83	3.9	15
61	Decreased CRH mRNA expression in the fetal guinea pig hypothalamus following maternal nutrient restriction. <i>Brain Research</i> , 2001 , 896, 179-82	3.7	15
60	Glucocorticoid regulation of placental breast cancer resistance protein (Bcrp1) in the mouse. <i>Reproductive Sciences</i> , 2011 , 18, 631-9	3	14
59	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		14
58	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	2.4	14
57	Hypothalamic-pituitary-adrenal axis activity under resting conditions and cardiovascular risk factors in adolescents. <i>Psychoneuroendocrinology</i> , 2016 , 66, 118-24	5	13
56	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	2.7	13
55	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, 467-80	3.9	13
54	Adaptation to intermittent stress promotes maintenance of beta-cell compensation: comparison with food restriction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E947-58 ⁶		12
53	ANTENATAL GLUCOCORTICOID: IS THERE CAUSE FOR CONCERN?. <i>Fetal and Maternal Medicine Review</i> , 2003 , 14, 329-354		12
52	Breast Cancer Resistance Protein (BCRP/) Inhibits Extra Villous Trophoblast Migration: The Impact of Bacterial and Viral Infection. <i>Cells</i> , 2019 , 8,	7.9	11
51	Breast cancer-resistance protein (BCRP1) in the fetal mouse brain: development and glucocorticoid regulation. <i>Biology of Reproduction</i> , 2011 , 84, 783-9	3.9	11
50	Developmental regulation of preproenkephalin mRNA in the ovine paraventricular nucleus: effects of stress and glucocorticoids. <i>Developmental Brain Research</i> , 1995 , 86, 259-67		11
49	Astrocyte-mediated regulation of multidrug resistance p-glycoprotein in fetal and neonatal brain endothelial cells: age-dependent effects. <i>Physiological Reports</i> , 2016 , 4, e12853	2.6	10
48	Is perinatal neuroendocrine programming involved in the developmental origins of metabolic disorders?. <i>World Journal of Diabetes</i> , 2011 , 2, 211-6	4.7	10

47	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, 18214-9	4.9	10
46	Overexposure to antenatal corticosteroids: a global concern. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2007 , 29, 879	1.3	9
45	Hypothalamic oxytocin in the developing ovine fetus: interaction with pituitary-adrenocortical function. <i>Brain Research</i> , 1999 , 820, 92-100	3.7	9
44	Foetal experience: lifelong consequences. <i>Journal of Neuroendocrinology</i> , 2007 , 19, 73-4	3.8	8
43	Malaria in pregnancy regulates P-glycoprotein (P-gp/Abcb1a) and ABCA1 efflux transporters in the Mouse Visceral Yolk Sac. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 10636-10647	5.6	8
42	Unheard, unseen and unprotected: DOHaD council'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	2.4	7
41	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, 601-5	5.6	6
40	Glucocorticoids modify effects of TGF- β on multidrug resistance in the fetal blood-brain barrier. <i>Growth Factors</i> , 2016 , 34, 33-41	1.6	6
39	Investigation of genetic variants, birthweight and hypothalamic-pituitary-adrenal axis function suggests a genetic variant in the SERPINA6 gene is associated with corticosteroid binding globulin in the western Australia pregnancy cohort (Raine) study. <i>PLoS ONE</i> , 2014 , 9, e92957	3.7	6
38	The effect of long-term insulin treatment with and without antecedent hypoglycemia on neuropeptide and corticosteroid receptor expression in the brains of diabetic rats. <i>Brain Research Bulletin</i> , 2008 , 77, 149-57	3.9	6
37	Maternal Adversity, Vulnerability and Disease 2005 , 173, 28-49		6
36	Association between maternal cannabis use and birth outcomes: an observational study. <i>BMC Pregnancy and Childbirth</i> , 2020 , 20, 771	3.2	6
35	ACE2 Is Expressed in Immune Cells That Infiltrate the Placenta in Infection-Associated Preterm Birth. <i>Cells</i> , 2021 , 10,	7.9	6
34	Function of Multidrug Resistance Transporters is Disrupted by Infection Mimics in Human Brain Endothelial Cells. <i>Tissue Barriers</i> , 2021 , 9, 1860616	4.3	6
33	P-glycoprotein expression and localization in the rat uterus throughout gestation and labor. <i>Reproduction</i> , 2016 , 152, 195-204	3.8	5
32	A Growing Dilemma: Antenatal Corticosteroids and Long-Term Consequences. <i>American Journal of Perinatology</i> , 2020 ,	3.3	5
31	Genome-wide epigenetic signatures of childhood adversity in early life: Opportunities and challenges. <i>Journal of Developmental Origins of Health and Disease</i> , 2019 , 10, 65-72	2.4	5
30	Extraversion modulates cortisol responses to acute social stress in chronic major depression. <i>Psychoneuroendocrinology</i> , 2019 , 103, 316-323	5	4

29	Seasonality of plasma tryptophan and kynurenine in pregnant mothers with a history of seasonal affective disorder: Vulnerability or adaptation?. <i>World Journal of Biological Psychiatry</i> , 2020 , 21, 529-538 ^{3.8}	4	4
28	The DNA methylation landscape of enhancers in the guinea pig hippocampus. <i>Epigenomics</i> , 2018 , 10, 349-365	4.4	4
27	Maternal Side-Effects After Multiple Courses of Antenatal Corticosteroids (MACS): The Three-Month Follow-Up of Women in the Randomized Controlled Trial of MACS for Preterm Birth Study. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2011 , 33, 909-921	1.3	4
26	The effects of estradiol-17 beta infusion into fetal sheep in late gestation. <i>Endocrine</i> , 1997 , 6, 271-8	4	4
25	Adrenocortical Response Profiles to Corticotrophin-Releasing Hormone and Adrenocorticotrophin Challenge in the Chronically Catheterized Adult Guinea-Pig 1999 , 84, 971		4
24	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	5.7	4
23	Impact of Sample Handling on DNA Methylation Profiles in Human Cord Blood and Neonatal Dried Blood Spots. <i>Frontiers in Genetics</i> , 2020 , 11, 224	4.5	4
22	A Single Course of Synthetic Glucocorticoids in Pregnant Guinea Pigs Programs Behavior and Stress Response in Two Generations of Offspring. <i>Endocrinology</i> , 2018 , 159, 4065-4076	4.8	4
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