Stephen G Matthews

List of Publications by Year in Descending Order

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	DNA methylation signatures in human neonatal blood following maternal antenatal corticosteroid treatment.. *Translational Psychiatry*, **2022**, 12, 132	8.6	0
171	Fetal glucocorticoid exposure leads to sex-specific changes in drug-transporter function at the blood-brain barrier in juvenile guinea pigs.. *FASEB Journal*, **2022**, 36, e22245	0.9	0
170	Evaluating Depression and Anxiety Throughout Pregnancy and Postpartum: Impact of the COVID-19 Pandemic.. *American Journal of Obstetrics & Gynecology MFM*, **2022**, 100605	7.4	0
169	Defining the role of the hypothalamic-pituitary-adrenal axis in the relationship between fetal growth and adult cardiometabolic outcomes.. *Journal of Developmental Origins of Health and Disease*, **2022**, 1-12	2.4	
168	DNA methylation profiles in the blood of newborn term infants born to mothers with obesity.. *PLoS ONE*, **2022**, 17, e0267946	3.7	0
167	A Life Course Approach to the Relationship Between Fetal Growth and Hypothalamic-Pituitary-Adrenal Axis Function. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 2646-2659	5.6	1
166	ACE2 Is Expressed in Immune Cells That Infiltrate the Placenta in Infection-Associated Preterm Birth. *Cells*, **2021**, 10,	7.9	6
165	Unheard, unseen and unprotected: DOHaD councilʼs call for action to protect the younger generation from the long-term effects of COVID-19. *Journal of Developmental Origins of Health and Disease*, **2021**, 12, 3-5	2.4	7
164	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. *American Journal of Obstetrics and Gynecology*, **2021**, 224, 298.e1-298.e8	6.4	35
163	Function of Multidrug Resistance Transporters is Disrupted by Infection Mimics in Human Brain Endothelial Cells. *Tissue Barriers*, **2021**, 9, 1860616	4.3	6
162	DNA methylome signatures of prenatal exposure to synthetic glucocorticoids in hippocampus and peripheral whole blood of female guinea pigs in early life. *Translational Psychiatry*, **2021**, 11, 63	8.6	3
161	Altered Umbilical Cord Blood Nutrient Levels, Placental Cell Turnover and Transporter Expression in Human Term Pregnancies Conceived by Intracytoplasmic Sperm Injection (ICSI). *Nutrients*, **2021**, 13,	6.7	1
160	Effect of Sublethal Prenatal Endotoxaemia on Murine Placental Transport Systems and Lipid Homeostasis. *Frontiers in Microbiology*, **2021**, 12, 706499	5.7	2
159	Hypoxia alters the expression of ACE2 and TMPRSS2 SARS-CoV-2 cell entry mediators in hCMEC/D3 brain endothelial cells. *Microvascular Research*, **2021**, 138, 104232	3.7	3
158	Using Precision Medicine with a Neurodevelopmental Perspective to Study Inflammation and Depression. *Current Psychiatry Reports*, **2020**, 22, 87	9.1	
157	Seasonality of plasma tryptophan and kynurenine in pregnant mothers with a history of seasonal affective disorder: Vulnerability or adaptation?. *World Journal of Biological Psychiatry*, **2020**, 21, 529-538	3.8	4
156	Parental adversity: Impact across generations. *Neuroscience and Biobehavioral Reviews*, **2020**, 117, 279-290		

155	A Growing Dilemma: Antenatal Corticosteroids and Long-Term Consequences. *American Journal of Perinatology*, **2020**,	3.3	5
154	Maternal malnutrition impacts placental morphology and transporter expression: an origin for poor offspring growth. *Journal of Nutritional Biochemistry*, **2020**, 78, 108329	6.3	16
153	Differential Role of Smad2 and Smad3 in the Acquisition of an Endovascular Trophoblast-Like Phenotype and Preeclampsia. *Frontiers in Endocrinology*, **2020**, 11, 436	5.7	4
152	Malaria in pregnancy regulates P-glycoprotein (P-gp/Abcb1a) and ABCA1 efflux transporters in the Mouse Visceral Yolk Sac. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 10636-10647	5.6	8
151	Association between maternal cannabis use and birth outcomes: an observational study. *BMC Pregnancy and Childbirth*, **2020**, 20, 771	3.2	6
150	Impact of Sample Handling on DNA Methylation Profiles in Human Cord Blood and Neonatal Dried Blood Spots. *Frontiers in Genetics*, **2020**, 11, 224	4.5	4
149	Breast Cancer Resistance Protein (BCRP/) Inhibits Extra Villous Trophoblast Migration: The Impact of Bacterial and Viral Infection. *Cells*, **2019**, 8,	7.9	11
148	Multidrug Resistance P-Glycoprotein (P-gp), Glucocorticoids, and the Stress Response **2019**, 227-241		2
147	Extraversion modulates cortisol responses to acute social stress in chronic major depression. *Psychoneuroendocrinology*, **2019**, 103, 316-323	5	4
146	Antenatal Glucocorticoid Exposure Results in Sex-Specific and Transgenerational Changes in Prefrontal Cortex Gene Transcription that Relate to Behavioural Outcomes. *Scientific Reports*, **2019**, 9, 764	4.9	16
145	Developmental programming of the HPA axis and related behaviours: epigenetic mechanisms. *Journal of Endocrinology*, **2019**, 242, T69-T79	4.7	26
144	Genome-wide epigenetic signatures of childhood adversity in early life: Opportunities and challenges. *Journal of Developmental Origins of Health and Disease*, **2019**, 10, 65-72	2.4	5
143	Prenatal Glucocorticoid Exposure Results in Changes in Gene Transcription and DNA Methylation in the Female Juvenile Guinea Pig Hippocampus Across Three Generations. *Scientific Reports*, **2019**, 9, 18211	4.9	10
142	Prenatal programming of stress responsiveness and behaviours: Progress and perspectives. *Journal of Neuroendocrinology*, **2019**, 31, e12674	3.8	25
141	Gestational age-dependent gene expression profiling of ATP-binding cassette transporters in the healthy human placenta. *Journal of Cellular and Molecular Medicine*, **2019**, 23, 610-618	5.6	20
140	Antenatal Corticosteroid Exposure Disrupts Myelination in the Auditory Nerve of Preterm Sheep. *Neonatology*, **2018**, 114, 62-68	4	3
139	The DNA methylation landscape of enhancers in the guinea pig hippocampus. *Epigenomics*, **2018**, 10, 349-365	4.4	4
138	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. *Journal of Physiology*, **2018**, 596, 5535-5569	3.9	62

137	Prenatal Stress, Glucocorticoids, and Developmental Programming of the Stress Response. *Endocrinology*, **2018**, 159, 69-82	4.8	111
136	Glucocorticoids modulate multidrug resistance transporters in the first trimester human placenta. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 3652-3660	5.6	18
135	The Ontario Birth Study: A prospective pregnancy cohort study integrating perinatal research into clinical care. *Paediatric and Perinatal Epidemiology*, **2018**, 32, 290-301	2.7	13
134	A Single Course of Synthetic Glucocorticoids in Pregnant Guinea Pigs Programs Behavior and Stress Response in Two Generations of Offspring. *Endocrinology*, **2018**, 159, 4065-4076	4.8	4
133	P-Glycoprotein (P-gp)/ABCB1 plays a functional role in extravillous trophoblast (EVT) invasion and is decreased in the pre-eclamptic placenta. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 5378-5393	5.6	19
132	Acute Effects of Viral Exposure on P-Glycoprotein Function in the Mouse Fetal Blood-Brain Barrier. *Cellular Physiology and Biochemistry*, **2017**, 41, 1044-1050	3.9	22
131	Prenatal Glucocorticoid Exposure Modifies Endocrine Function and Behaviour for 3 Generations Following Maternal and Paternal Transmission. *Scientific Reports*, **2017**, 7, 11814	4.9	79
130	Nurturing care: promoting early childhood development. *Lancet, The*, **2017**, 389, 91-102	40	605
129	Automated tracking to measure behavioural changes in pigs for health and welfare monitoring. *Scientific Reports*, **2017**, 7, 17582	4.9	58
128	Reply to Commentary Letter by Dr. Melvin Khee Shing Leow. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 163, 213	5.1	
127	Astrocyte-mediated regulation of multidrug resistance p-glycoprotein in fetal and neonatal brain endothelial cells: age-dependent effects. *Physiological Reports*, **2016**, 4, e12853	2.6	10
126	P-glycoprotein expression and localization in the rat uterus throughout gestation and labor. *Reproduction*, **2016**, 152, 195-204	3.8	5
125	Glucocorticoids modify effects of TGF-1 on multidrug resistance in the fetal blood-brain barrier. *Growth Factors*, **2016**, 34, 33-41	1.6	6
124	Hypothalamic-pituitary-adrenal axis activity under resting conditions and cardiovascular risk factors in adolescents. *Psychoneuroendocrinology*, **2016**, 66, 118-24	5	13
123	Characterization and novel analyses of acute stress response patterns in a population-based cohort of young adults: influence of gender, smoking, and BMI. *Stress*, **2016**, 19, 139-50	3	29
122	Programming of stress pathways: A transgenerational perspective. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 160, 175-80	5.1	52
121	Early detection of health and welfare compromises through automated detection of behavioural changes in pigs. *Veterinary Journal*, **2016**, 217, 43-51	2.5	111
120	Impact of bacterial and viral challenge on multidrug resistance in first- and third-trimester human placenta. *American Journal of Pathology*, **2015**, 185, 1666-75	5.8	45

119	The ontogeny of P-glycoprotein in the developing human blood-brain barrier: implication for opioid toxicity in neonates. *Pediatric Research*, **2015**, 78, 417-21	3.2	57
118	High reactivity of the cortisol awakening response predicts positive treatment outcome in heterogeneous depressed patients completing an alternate milieu inpatient program. *General Hospital Psychiatry*, **2015**, 37, 601-5	5.6	6
117	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. *Development and Psychopathology*, **2015**, 27, 1145-61	4.3	21
116	TGF-β regulation of multidrug resistance P-glycoprotein in the developing male blood-brain barrier. *Endocrinology*, **2014**, 155, 475-84	4.8	22
115	Low maternal sensitivity at 6 months of age predicts higher BMI in 48 month old girls but not boys. *Appetite*, **2014**, 82, 97-102	4.5	20
114	Glucocorticoids and fetal programming part 2: Mechanisms. *Nature Reviews Endocrinology*, **2014**, 10, 403-11	15.2	258
113	Glucocorticoids and fetal programming part 1: Outcomes. *Nature Reviews Endocrinology*, **2014**, 10, 391-402	15.2	322
112	Adult glucocorticoid exposure leads to transcriptional and DNA methylation changes in nuclear steroid receptors in the hippocampus and kidney of mouse male offspring. *Biology of Reproduction*, **2014**, 90, 43	3.9	49
111	The maternal adversity, vulnerability and neurodevelopment project: theory and methodology. *Canadian Journal of Psychiatry*, **2014**, 59, 497-508	4.8	55
110	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. *PLoS ONE*, **2014**, 9, e92957	3.7	6
109	The multidrug resistance 1 gene Abcb1 in brain and placenta: comparative analysis in human and guinea pig. *PLoS ONE*, **2014**, 9, e111135	3.7	18
108	Synthetic glucocorticoid reduces human placental system a transport in women treated with antenatal therapy. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E2226-33	5.6	20
107	Genome wide association identifies common variants at the SERPINA6/SERPINA1 locus influencing plasma cortisol and corticosteroid binding globulin. *PLoS Genetics*, **2014**, 10, e1004474	6	71
106	More evidence that unnecessary antenatal treatments cause harm--reply. *JAMA Pediatrics*, **2014**, 168, 389-90	8.3	
105	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). *BMC Pregnancy and Childbirth*, **2014**, 14, 272	3.2	50
104	Association between the seven-repeat allele of the dopamine-4 receptor gene (DRD4) and spontaneous food intake in pre-school children. *Appetite*, **2014**, 73, 15-22	4.5	22
103	Effects of antenatal synthetic glucocorticoid on glucocorticoid receptor binding, DNA methylation, and genome-wide mRNA levels in the fetal male hippocampus. *Endocrinology*, **2013**, 154, 4170-81	4.8	54
102	Glucocorticoid programming of the fetal male hippocampal epigenome. *Endocrinology*, **2013**, 154, 1168-80	4.8	77

101	Multiple courses of antenatal corticosteroids for preterm birth study: outcomes in children at 5 years of age (MACS-5). *JAMA Pediatrics*, **2013**, 167, 1102-10	8.3	74
100	Effects of sertraline and fluoxetine on p-glycoprotein at barrier sites: in vivo and in vitro approaches. *PLoS ONE*, **2013**, 8, e56525	3.7	27
99	Prenatal endotoxemia and placental drug transport in the mouse: placental size-specific effects. *PLoS ONE*, **2013**, 8, e65728	3.7	30
98	Transgenerational inheritance of stress pathology. *Experimental Neurology*, **2012**, 233, 95-101	5.7	62
97	Proximal cerebral arteries develop myogenic responsiveness in heart failure via tumor necrosis factor-Ddependent activation of sphingosine-1-phosphate signaling. *Circulation*, **2012**, 126, 196-206	16.7	50
96	Transgenerational effects of prenatal synthetic glucocorticoids on hypothalamic-pituitary-adrenal function. *Endocrinology*, **2012**, 153, 3295-307	4.8	64
95	Prenatal synthetic glucocorticoid treatment changes DNA methylation states in male organ systems: multigenerational effects. *Endocrinology*, **2012**, 153, 3269-83	4.8	120
94	Sertraline alters multidrug resistance phosphoglycoprotein activity in the mouse placenta and fetal blood-brain barrier. *Reproductive Sciences*, **2012**, 19, 407-15	3	18
93	Effect of antenatal corticosteroids on fetal growth and gestational age at birth. *Obstetrics and Gynecology*, **2012**, 119, 917-23	4.9	60
92	Pro-inflammatory cytokine regulation of P-glycoprotein in the developing blood-brain barrier. *PLoS ONE*, **2012**, 7, e43022	3.7	36
91	Effects of chronic maternal stress on hypothalamo-pituitary-adrenal (HPA) function and behavior: no reversal by environmental enrichment. *Hormones and Behavior*, **2011**, 60, 589-98	3.7	27
90	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. *Journal of Obstetrics and Gynaecology Canada*, **2011**, 33, 909-921	1.3	4
89	Testosterone is involved in mediating the effects of prenatal stress in male guinea pig offspring. *Journal of Physiology*, **2011**, 589, 755-66	3.9	33
88	Antenatal dexamethasone treatment in midgestation reduces system A-mediated transport in the late-gestation murine placenta. *Endocrinology*, **2011**, 152, 3561-70	4.8	41
87	Corticosteroid regulation of P-glycoprotein in the developing blood-brain barrier. *Endocrinology*, **2011**, 152, 1067-79	4.8	30
86	Breast cancer-resistance protein (BCRP1) in the fetal mouse brain: development and glucocorticoid regulation. *Biology of Reproduction*, **2011**, 84, 783-9	3.9	11
85	Glucocorticoid regulation of placental breast cancer resistance protein (Bcrp1) in the mouse. *Reproductive Sciences*, **2011**, 18, 631-9	3	14
84	Is perinatal neuroendocrine programming involved in the developmental origins of metabolic disorders?. *World Journal of Diabetes*, **2011**, 2, 211-6	4.7	10

83	Prenatal synthetic glucocorticoid exposure alters hypothalamic-pituitary-adrenal regulation and pregnancy outcomes in mature female guinea pigs. *Journal of Physiology*, **2010**, 588, 887-99	3.9	53
82	Multiple courses of antenatal corticosteroids for preterm birth study: 2-year outcomes. *Pediatrics*, **2010**, 126, e1045-55	7.4	50
81	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. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E671-82	6	29
80	Minireview: transgenerational inheritance of the stress response: a new frontier in stress research. *Endocrinology*, **2010**, 151, 7-13	4.8	99
79	Developmental expression of multidrug resistance phosphoglycoprotein (P-gp) in the mouse fetal brain and glucocorticoid regulation. *Brain Research*, **2010**, 1357, 9-18	3.7	32
78	Multidrug resistance phosphoglycoprotein (ABCB1) expression in the guinea pig placenta: developmental changes and regulation by betamethasone. *Canadian Journal of Physiology and Pharmacology*, **2009**, 87, 973-8	2.4	27
77	Effects of maternal dexamethasone treatment in early pregnancy on pituitary-adrenal axis in fetal sheep. *Endocrinology*, **2009**, 150, 5466-77	4.8	31
76	Sex differences in hormonal responses to a social stressor in chronic major depression. *Psychoneuroendocrinology*, **2009**, 34, 1235-41	5	59
75	The effects of prenatal stress on learning in adult offspring is dependent on the timing of the stressor. *Behavioural Brain Research*, **2009**, 197, 144-9	3.4	92
74	Development of the Fetal Hypothalamic-Pituitary-Adrenal-Placental Axis: Implications for Postnatal Health **2009**, 89-99		1
73	Transgenerational effects of prenatal nutrient restriction on cardiovascular and hypothalamic-pituitary-adrenal function. *Journal of Physiology*, **2008**, 586, 2217-29	3.9	121
72	Molecular regulation of the hypothalamic-pituitary-adrenal axis in adult male guinea pigs after prenatal stress at different stages of gestation. *Journal of Physiology*, **2008**, 586, 4317-26	3.9	42
71	Fetal programming of hypothalamic-pituitary-adrenal (HPA) axis function and behavior by synthetic glucocorticoids. *Brain Research Reviews*, **2008**, 57, 586-95		190
70	Fetal mechanisms in neurodevelopmental disorders. *Pediatric Neurology*, **2008**, 38, 163-76	2.9	87
69	Chronic maternal stress affects growth, behaviour and hypothalamo-pituitary-adrenal function in juvenile offspring. *Hormones and Behavior*, **2008**, 54, 514-20	3.7	69
68	The effect of long-term insulin treatment with and without antecedent hypoglycemia on neuropeptide and corticosteroid receptor expression in the brains of diabetic rats. *Brain Research Bulletin*, **2008**, 77, 149-57	3.9	6
67	Multiple courses of antenatal corticosteroids for preterm birth (MACS): a randomised controlled trial. *Lancet, The*, **2008**, 372, 2143-51	40	266
66	Swim training prevents hyperglycemia in ZDF rats: mechanisms involved in the partial maintenance of beta-cell function. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E271-83	6	46

65	Adaptation to intermittent stress promotes maintenance of beta-cell compensation: comparison with food restriction. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 295, E947-58	6	12
64	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. *Journal of Endocrinology*, **2008**, 197, 213-20	4.7	31
63	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. *Endocrinology*, **2008**, 149, 2990-3001	4.8	19
62	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. *Endocrinology*, **2008**, 149, 6406-15	4.8	77
61	Attenuation of type 2 diabetes mellitus in the male Zucker diabetic fatty rat: the effects of stress and non-volitional exercise. *Metabolism: Clinical and Experimental*, **2007**, 56, 732-44	12.7	56
60	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. *Metabolism: Clinical and Experimental*, **2007**, 56, 1065-75	12.7	20
59	Repeated maternal glucocorticoid treatment affects activity and hippocampal NMDA receptor expression in juvenile guinea pigs. *Journal of Physiology*, **2007**, 578, 249-57	3.9	40
58	Effects of repeated prenatal glucocorticoid exposure on long-term potentiation in the juvenile guinea-pig hippocampus. *Journal of Physiology*, **2007**, 581, 1033-42	3.9	35
57	Foetal experience: lifelong consequences. *Journal of Neuroendocrinology*, **2007**, 19, 73-4	3.8	8
56	Functional changes of mouse placental multidrug resistance phosphoglycoprotein (ABCB1) with advancing gestation and regulation by progesterone. *Reproductive Sciences*, **2007**, 14, 321-8	3	41
55	Overexposure to antenatal corticosteroids: a global concern. *Journal of Obstetrics and Gynaecology Canada*, **2007**, 29, 879	1.3	9
54	Psychological stressors as a model of maternal adversity: diurnal modulation of corticosterone responses and changes in maternal behavior. *Hormones and Behavior*, **2007**, 51, 77-88	3.7	43
53	Effects of insulin treatment without and with recurrent hypoglycemia on hypoglycemic counterregulation and adrenal catecholamine-synthesizing enzymes in diabetic rats. *Endocrinology*, **2006**, 147, 1860-70	4.8	17
52	Fetal programming of hypothalamo-pituitary-adrenal function: prenatal stress and glucocorticoids. *Journal of Physiology*, **2006**, 572, 31-44	3.9	405
51	Insulin alone increases hypothalamo-pituitary-adrenal activity, and diabetes lowers peak stress responses. *Endocrinology*, **2005**, 146, 1382-90	4.8	48
50	Maternal nutrient deprivation induces sex-specific changes in thyroid hormone receptor and deiodinase expression in the fetal guinea pig brain. *Journal of Physiology*, **2005**, 566, 467-80	3.9	13
49	Short periods of prenatal stress affect growth, behaviour and hypothalamo-pituitary-adrenal axis activity in male guinea pig offspring. *Journal of Physiology*, **2005**, 566, 967-77	3.9	154
48	Maternal adversity, glucocorticoids and programming of neuroendocrine function and behaviour. *Neuroscience and Biobehavioral Reviews*, **2005**, 29, 209-26	9	177

47	Changes in basal hypothalamo-pituitary-adrenal activity during exercise training are centrally mediated. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R1360-71	3.2	47
46	Hyperglycemia does not increase basal hypothalamo-pituitary-adrenal activity in diabetes but it does impair the HPA response to insulin-induced hypoglycemia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 289, R235-46	3.2	30
45	Maternal Adversity,Vulnerability and Disease **2005**, 173, 28-49		6
44	Effects of diabetes and recurrent hypoglycemia on the regulation of the sympathoadrenal system and hypothalamo-pituitary-adrenal axis. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 288, E422-9	6	19
43	Multidrug resistance phosphoglycoprotein (ABCB1) in the mouse placenta: fetal protection. *Biology of Reproduction*, **2005**, 73, 591-7	3.9	82
42	Neuroendocrine programming of adult disease **2005**, 61-71		
41	Glucocorticoids do not alter developmental expression of hippocampal or pituitary steroid receptor coactivator-1 and -2 in the late gestation fetal guinea pig. *Endocrinology*, **2004**, 145, 3796-803	4.8	15
40	Regulation of N-methyl-D-aspartate receptor subunit expression in the fetal guinea pig brain. *Biology of Reproduction*, **2004**, 71, 676-83	3.9	15
39	Developmental regulation of the 5-HT7 serotonin receptor and transcription factor NGFI-A in the fetal guinea-pig limbic system: influence of GCs. *Journal of Physiology*, **2004**, 555, 659-70	3.9	24
38	Prenatal glucocorticoid exposure alters hypothalamic-pituitary-adrenal function and blood pressure in mature male guinea pigs. *Journal of Physiology*, **2004**, 558, 305-18	3.9	61
37	Developmental regulation of 5-HT1A receptor mRNA in the fetal limbic system: response to antenatal glucocorticoid. *Developmental Brain Research*, **2004**, 149, 39-44		14
36	Programming of the hypothalamo-pituitary-adrenal axis: serotonergic involvement. *Stress*, **2004**, 7, 15-23		77
35	Partial leptin restoration increases hypothalamic-pituitary-adrenal activity while diminishing weight loss and hyperphagia in streptozotocin diabetic rats. *Metabolism: Clinical and Experimental*, **2004**, 53, 1558-64	12.7	16
34	Glucocorticoids and sex-dependent development of brain glucocorticoid and mineralocorticoid receptors. *Endocrinology*, **2003**, 144, 2775-84	4.8	137
33	ANTENATAL GLUCOCORTICOIDS: IS THERE CAUSE FOR CONCERN?. *Fetal and Maternal Medicine Review*, **2003**, 14, 329-354		12
32	Effects of recurrent hyperinsulinemia with and without hypoglycemia on counterregulation in diabetic rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2002**, 282, E1369-79	6	26
31	Repeated doses of antenatal corticosteroids in animals: a systematic review. *American Journal of Obstetrics and Gynecology*, **2002**, 186, 843-9	6.4	97
30	Diabetes impairs hypothalamo-pituitary-adrenal (HPA) responses to hypoglycemia, and insulin treatment normalizes HPA but not epinephrine responses. *Diabetes*, **2002**, 51, 1681-9	0.9	65

29	Hyperactivation of the hypothalamo-pituitary-adrenocortical axis in streptozotocin-diabetes is associated with reduced stress responsiveness and decreased pituitary and adrenal sensitivity. *Endocrinology*, **2002**, 143, 1761-8	4.8	80
28	Early programming of the hypothalamo-pituitary-adrenal axis. *Trends in Endocrinology and Metabolism*, **2002**, 13, 373-80	8.8	405
27	Decreased CRH mRNA expression in the fetal guinea pig hypothalamus following maternal nutrient restriction. *Brain Research*, **2001**, 896, 179-82	3.7	15
26	Multiple courses of antenatal corticosteroids: a systematic review and meta-analysis. *American Journal of Obstetrics and Gynecology*, **2001**, 185, 1073-80	6.4	43
25	A short period of maternal nutrient restriction in late gestation modifies pituitary-adrenal function in adult guinea pig offspring. *Neuroendocrinology*, **2001**, 73, 302-11	5.6	86
24	Repeated antenatal glucocorticoid exposure and the developing brain. *Pediatric Research*, **2001**, 50, 563-74	3.2	23
23	Molecular regulation of the hypothalamo-pituitary-adrenal axis in streptozotocin-induced diabetes: effects of insulin treatment. *Endocrinology*, **2001**, 142, 4872-9	4.8	76
22	Antenatal glucocorticoids and the developing brain: mechanisms of action. *Seminars in Fetal and Neonatal Medicine*, **2001**, 6, 309-17		85
21	Maternal glucocorticoid treatment programs HPA regulation in adult offspring: sex-specific effects. *American Journal of Physiology - Endocrinology and Metabolism*, **2001**, 280, E729-39	6	135
20	Prenatal glucocorticoid modifies hypothalamo-pituitary-adrenal regulation in prepubertal guinea pigs. *Neuroendocrinology*, **2001**, 73, 194-202	5.6	64
19	Effects of antecedent hypoglycemia, hyperinsulinemia, and excess corticosterone on hypoglycemic counterregulation. *American Journal of Physiology - Endocrinology and Metabolism*, **2001**, 281, E455-65	6	35
18	Endocrine and paracrine regulation of birth at term and preterm. *Endocrine Reviews*, **2000**, 21, 514-50	27.2	651
17	Regulation of glucocorticoid receptor mRNA and heat shock protein 70 mRNA in the developing sheep brain. *Brain Research*, **2000**, 878, 174-82	3.7	29
16	Antenatal glucocorticoids and programming of the developing CNS. *Pediatric Research*, **2000**, 47, 291-300	3.2	292
15	Adrenocortical Response Profiles to Corticotrophin-Releasing Hormone and Adrenocorticotrophin Challenge in the Chronically Catheterized Adult Guinea-Pig. *Experimental Physiology*, **1999**, 84, 971-977	2.4	14
14	Hypothalamic oxytocin in the developing ovine fetus: interaction with pituitary-adrenocortical function. *Brain Research*, **1999**, 820, 92-100	3.7	9
13	Maternal nutrient restriction (48 h) modifies brain corticosteroid receptor expression and endocrine function in the fetal guinea pig. *Brain Research*, **1999**, 846, 236-42	3.7	82
12	Maternal dexamethasone treatment in late gestation alters glucocorticoid and mineralocorticoid receptor mRNA in the fetal guinea pig brain. *Brain Research*, **1999**, 846, 253-9	3.7	114

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11	Adrenocortical Response Profiles to Corticotrophin-Releasing Hormone and Adrenocorticotrophin Challenge in the Chronically Catheterized Adult Guinea-Pig **1999**, 84, 971		4
10	Dynamic changes in glucocorticoid and mineralocorticoid receptor mRNA in the developing guinea pig brain. *Developmental Brain Research*, **1998**, 107, 123-32		84
9	The effects of estradiol-17 beta infusion into fetal sheep in late gestation. *Endocrine*, **1997**, 6, 271-8	4	4
8	CRH and AVP-induced changes in synthesis and release of ACTH from the ovine fetal pituitary in vitro: negative influences of cortisol. *Endocrine*, **1997**, 6, 293-300	4	22
7	Regulation of the hypothalamo-pituitary-adrenocortical axis in fetal sheep. *Trends in Endocrinology and Metabolism*, **1996**, 7, 239-46	8.8	65
6	Developmental regulation of preproenkephalin mRNA in the ovine paraventricular nucleus: effects of stress and glucocorticoids. *Developmental Brain Research*, **1995**, 86, 259-67		11
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