Margie Castillo-Melendez

List of Publications by Year
in descending order

47 papers	2,191 citations	218677 26 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	2463 citing authors

#	Article	IF	Citations
1	Altered trajectory of neurodevelopment associated with fetal growth restriction. Experimental Neurology, 2022, 347, 113885.	4.1	17
2	Brief hypoxia in late gestation sheep causes prolonged disruption of fetal electrographic, breathing behaviours and can result in early labour. Journal of Physiology, 2021, 599, 3221-3236.	2.9	5
3	Neurovascular effects of umbilical cord blood-derived stem cells in growth-restricted newborn lambs. Stem Cell Research and Therapy, 2020, 11, 17.	5.5	20
4	Is Umbilical Cord Blood Therapy an Effective Treatment for Early Lung Injury in Growth Restriction?. Frontiers in Endocrinology, 2020, 11, 86.	3.5	0
5	Genetic and microstructural differences in the cortical plate of gyri and sulci during gyrification in fetal sheep. Cerebral Cortex, 2020, 30, 6169-6190.	2.9	7
6	Does Antenatal Betamethasone Alter White Matter Brain Development in Growth Restricted Fetal Sheep?. Frontiers in Cellular Neuroscience, 2020, 14, 100.	3.7	3
7	Advanced MRI analysis to detect white matter brain injury in growth restricted newborn lambs. NeuroImage: Clinical, 2019, 24, 101991.	2.7	15
8	Fetal Growth Restriction Alters Cerebellar Development in Fetal and Neonatal Sheep. Frontiers in Physiology, 2019, 10, 560.	2.8	14
9	Neonatal Morbidities of Fetal Growth Restriction: Pathophysiology and Impact. Frontiers in Endocrinology, 2019, 10, 55.	3.5	237
10	The Neurovascular Unit: Effects of Brain Insults During the Perinatal Period. Frontiers in Neuroscience, 2019, 13, 1452.	2.8	84
11	Effects of umbilical cord blood cells, and subtypes, to reduce neuroinflammation following perinatal hypoxic-ischemic brain injury. Journal of Neuroinflammation, 2018, 15, 47.	7.2	74
12	Neuropathology as a consequence of neonatal ventilation in premature growth-restricted lambs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R1183-R1194.	1.8	24
13	Development of the cerebral cortex and the effect of the intrauterine environment. Journal of Physiology, 2018, 596, 5665-5674.	2.9	21
14	Detection and assessment of brain injury in the growth-restricted fetus and neonate. Pediatric Research, 2017, 82, 184-193.	2.3	48
15	Effects of Antenatal Melatonin Treatment on the Cerebral Vasculature in an Ovine Model of Fetal Growth Restriction. Developmental Neuroscience, 2017, 39, 323-337.	2.0	33
16	Early- versus Late-Onset Fetal Growth Restriction Differentially Affects the Development of the Fetal Sheep Brain. Developmental Neuroscience, 2017, 39, 141-155.	2.0	43
17	The feto-placental unit, and potential roles of dehydroepiandrosterone (DHEA) in prenatal and postnatal brain development: A re-examination using the spiny mouse. Journal of Steroid Biochemistry and Molecular Biology, 2016, 160, 204-213.	2.5	21
18	Cord blood mononuclear cells prevent neuronal apoptosis in response to perinatal asphyxia in the newborn lamb. Journal of Physiology, 2016, 594, 1421-1435.	2.9	62

#	Article	IF	Citations
19	Ontogenetic Change in the Regional Distribution of Dehydroepiandrosterone-Synthesizing Enzyme and the Glucocorticoid Receptor in the Brain of the Spiny Mouse (Acomys cahirinus). Developmental Neuroscience, 2016, 38, 54-73.	2.0	11
20	Preterm white matter brain injury is prevented by early administration of umbilical cord blood cells. Experimental Neurology, 2016, 283, 179-187.	4.1	71
21	Cerebrovascular adaptations to chronic hypoxia in the growth restricted lamb. International Journal of Developmental Neuroscience, 2015, 45, 55-65.	1.6	52
22	Injury of the Developing Cerebellum: A Brief Review of the Effects of Endotoxin and Asphyxial Challenges in the Late Gestation Sheep Fetus. Cerebellum, 2014, 13, 777-786.	2.5	23
23	Antenatal antioxidant treatment with melatonin to decrease newborn neurodevelopmental deficits and brain injury caused by fetal growth restriction. Journal of Pineal Research, 2014, 56, 283-294.	7.4	134
24	Adrenal steroidogenesis following prenatal dexamethasone exposure in the spiny mouse. Journal of Endocrinology, 2014, 221, 347-362.	2.6	27
25	Morphological evaluation of the cerebral blood vessels in the late gestation fetal sheep following hypoxia in utero. Microvascular Research, 2013, 85, 1-9.	2.5	12
26	VEGF expression and microvascular responses to severe transient hypoxia in the fetal sheep brain. Pediatric Research, 2013, 73, 310-316.	2.3	34
27	Ontogeny of the Adrenal Gland in the Spiny Mouse, With Particular Reference to Production of the Steroids Cortisol and Dehydroepiandrosterone. Endocrinology, 2013, 154, 1190-1201.	2.8	49
28	Stem cell therapy to protect and repair the developing brain: a review of mechanisms of action of cord blood and amnion epithelial derived cells. Frontiers in Neuroscience, 2013, 7, 194.	2.8	97
29	Experimental Modelling of the Consequences of Brief Late Gestation Asphyxia on Newborn Lamb Behaviour and Brain Structure. PLoS ONE, 2013, 8, e77377.	2.5	38
30	Vulnerability of the developing brain to hypoxic-ischemic damage: contribution of the cerebral vasculature to injury and repair?. Frontiers in Physiology, 2012, 3, 424.	2.8	111
31	Mechanisms of Melatonin-Induced Protection in the Brain of Late Gestation Fetal Sheep in Response to Hypoxia. Developmental Neuroscience, 2012, 34, 543-551.	2.0	57
32	Effect of maternal administration of allopregnanolone before birth asphyxia on neonatal hippocampal function in the spiny mouse. Brain Research, 2012, 1433, 9-19.	2.2	11
33	The effect of hypoxia on the functional and structural development of the chick brain. International Journal of Developmental Neuroscience, 2010, 28, 343-350.	1.6	10
34	Microglial activation, macrophage infiltration, and evidence of cell death in the fetal brain after uteroplacental administration of lipopolysaccharide in sheep in late gestation. American Journal of Obstetrics and Gynecology, 2008, 198, 117.e1-117.e11.	1.3	45
35	The Effects of Maternal Betamethasone Administration on the Intrauterine Growth-Restricted Fetus. Endocrinology, 2007, 148, 1288-1295.	2.8	91
36	Uteroplacental Inflammation Results in Blood Brain Barrier Breakdown, Increased Activated Caspase 3 and Lipid Peroxidation in the Late Gestation Ovine Fetal Cerebellum. Developmental Neuroscience, 2007, 29, 341-354.	2.0	34

#	ARTICLE	IF	CITATIONS
37	Novel method for in vivo hydroxyl radical measurement by microdialysis in fetal sheep brain in utero. Journal of Applied Physiology, 2005, 98, 2304-2310.	2.5	61
38	Melatonin Provides Neuroprotection in the Late-Gestation Fetal Sheep Brain in Response to Umbilical Cord Occlusion. Developmental Neuroscience, 2005, 27, 200-210.	2.0	131
39	Expression of Erythropoietin and Its Receptor in the Brain of Late-Gestation Fetal Sheep, and Responses to Asphyxia Caused by Umbilical Cord Occlusion. Developmental Neuroscience, 2005, 27, 220-227.	2.0	24
40	Lipid Peroxidation, Caspase-3 Immunoreactivity, and Pyknosis in Late-Gestation Fetal Sheep Brain after Umbilical Cord Occlusion. Pediatric Research, 2004, 55, 864-871.	2.3	63
41	Cerebrovascular Responses in the Fetal Sheep Brain to Low-Dose Endotoxin. Pediatric Research, 2004, 55, 855-863.	2.3	77
42	Increased allopregnanolone levels in the fetal sheep brain following umbilical cord occlusion. Journal of Physiology, 2004, 560, 593-602.	2.9	55
43	The distribution of nitric oxide synthase-, adenosine deaminase- and neuropeptide Y-immunoreactivity through the entire rat nucleus tractus solitarius. Journal of Chemical Neuroanatomy, 1998, 15, 27-40.	2.1	55
44	Radioligand binding and autoradiographic visualization of adenosine transport sites in human inferior vagal ganglia and their axonal transport along rat vagal afferent neurons. Journal of the Autonomic Nervous System, 1996, 57, 36-42.	1.9	10
45	Presynaptic adenosine A2a receptors on soma and central terminals of rat vagal afferent neurons. Brain Research, 1994, 652, 137-144.	2.2	64
46	[3H]adenosine transport in rat dorsal brain stem using a crude synaptosomal preparation. Neurochemistry International, 1994, 25, 221-226.	3.8	12
47	Umbilical Cord Blood Cells for Perinatal Brain Injury: The Right Cells at the Right Time?. , 0, , .		4