Alistair Gunn

List of Publications by Year
in descending order

427 papers	18,559 citations	15466 65 h-index	20307 116 g-index
431 all docs	431 docs citations	431 times ranked	9132 citing authors

#	Article	IF	Citations
1	Selective head cooling with mild systemic hypothermia after neonatal encephalopathy: multicentre randomised trial. Lancet, The, 2005, 365, 663-670.	6.3	1,827
2	Neurological outcomes at 18 months of age after moderate hypothermia for perinatal hypoxic ischaemic encephalopathy: synthesis and meta-analysis of trial data. BMJ: British Medical Journal, 2010, 340, c363-c363.	2.4	765
3	Dramatic neuronal rescue with prolonged selective head cooling after ischemia in fetal lambs.. Journal of Clinical Investigation, 1997, 99, 248-256.	3.9	541
4	Selective Head Cooling in Newborn Infants After Perinatal Asphyxia: A Safety Study. Pediatrics, 1998, 102, 885-892.	1.0	406
5	Determinants of Outcomes After Head Cooling for Neonatal Encephalopathy. Pediatrics, 2007, 119, 912-921.	1.0	308
6	Neuroprotection With Prolonged Head Cooling Started Before Postischemic Seizures in Fetal Sheep. Pediatrics, 1998, 102, 1098-1106.	1.0	292
7	Hypothermic neuroprotection. NeuroRx, 2006, 3, 154-169.	6.0	210
8	Outcome after ischemia in the developing sheep brain: An electroencephalographic and histological study. Annals of Neurology, 1992, 31, 14-21.	2.8	207
9	Cerebral Hypothermia Is Not Neuroprotective When Started after Postischemic Seizures in Fetal Sheep. Pediatric Research, 1999, 46, 274-280.	1.1	198
10	Insulin-like growth factor-1 and post-ischemic brain injury. Progress in Neurobiology, 2003, 70, 443-462.	2.8	195
11	Hypothermia and Other Treatment Options for Neonatal Encephalopathy: An Executive Summary of the Eunice Kennedy Shriver NICHD Workshop. Journal of Pediatrics, 2011, 159, 851-858.e1.	0.9	189
12	The importance of â€˜awarenessâ€™ for understanding fetal pain. Brain Research Reviews, 2005, 49, 455-471.	9.1	184
13	Non-Compliance with Growth Hormone Treatment in Children Is Common and Impairs Linear Growth. PLoS ONE, 2011, 6, e16223.	1.1	180
14	Treatment of Term Infants With Head Cooling and Mild Systemic Hypothermia (35.0ÂC and 34.5ÂC) After Perinatal Asphyxia. Pediatrics, 2003, 111, 244-251.	1.0	179
15	Hypoxia-ischemia induces transforming growth factor Î²1 mRNA in the infant rat brain. Molecular Brain Research, 1992, 13, 93-101.	2.5	175
16	Hypothermia and perinatal asphyxia: Executive summary of the National Institute of Child Health and Human Development workshop. Journal of Pediatrics, 2006, 148, 170-175.e1.	0.9	173
17	Cerebral Histologic and Electrocorticographic Changes after Asphyxia in Fetal Sheep. Pediatric Research, 1992, 31, 486-491.	1.1	169
18	The mechanisms and treatment of asphyxial encephalopathy. Frontiers in Neuroscience, 2014, 8, 40.	1.4	165

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19	Congenital idiopathic growth hormone deficiency associated with prenatal and early postnatal growth failure. Journal of Pediatrics, 1992, 121, 920-923.	0.9	163
20	Neurodevelopmental Outcome of Infants Treated With Head Cooling and Mild Hypothermia After Perinatal Asphyxia. Pediatrics, 2001, 107, 480-484.	1.0	161
21	Fetal Hypoxia Insults and Patterns of Brain Injury: Insights from Animal Models. Clinics in Perinatology, 2009, 36, 579-593.	0.8	157
22	Cell therapy for neonatal hypoxiaâ€“ischemia and cerebral palsy. Annals of Neurology, 2012, 71, 589-600.	2.8	153
23	Cerebral hypothermia for prevention of brain injury following perinatal asphyxia. Current Opinion in Pediatrics, 2000, 12, 111-115.	1.0	152
24	Accumulation of Cytotoxins During the Development of Seizures and Edema after Hypoxic-Ischemic Injury in Late Gestation Fetal Sheep. Pediatric Research, 1996, 39, 791-797.	1.1	152
25	Seven- to eight-year follow-up of the CoolCap trial of head cooling for neonatal encephalopathy. Pediatric Research, 2012, 71, 205-209.	1.1	151
26	Therapeutic Hypothermia for Neonatal Hypoxicâ€“Ischemic Encephalopathyâ€‰â€“â€‰Where to from Here?. Frontiers in Neurology, 2015, 6, 198.	1.1	149
27	Which Neuroprotective Agents are Ready for Bench to Bedside Translation in the Newborn Infant?. Journal of Pediatrics, 2012, 160, 544-552.e4.	0.9	147
28	Transient umbilical cord occlusion causes hippocampal damage in the fetal sheep. American Journal of Obstetrics and Gynecology, 1992, 167, 1423-1430.	0.7	145
29	Therapeutic Hypothermia Changes the Prognostic Value of Clinical Evaluation of Neonatal Encephalopathy. Journal of Pediatrics, 2008, 152, 55-58.e1.	0.9	144
30	The `pharmacology' of neuronal rescue with cerebral hypothermia. Early Human Development, 1998, 53, 19-35.	0.8	129
31	Connexin hemichannel blockade improves outcomes in a model of fetal ischemia. Annals of Neurology, 2012, 71, 121-132.	2.8	129
32	An evaluation of methods for grading histologic injury following ischemia/reperfusion of the small bowel. Transplantation Proceedings, 2000, 32, 1307-1310.	0.3	112
33	The effect of cerebral hypothermia on white and grey matter injury induced by severe hypoxia in preterm fetal sheep. Journal of Physiology, 2007, 578, 491-506.	1.3	112
34	Brief Repeated Umbilical Cord Occlusions Cause Sustained Cytotoxic Cerebral Edema and Focal Infarcts in Near-Term Fetal Lambs. Pediatric Research, 1997, 41, 96-104.	1.1	112
35	Window of Opportunity of Cerebral Hypothermia for Postischemic White Matter Injury in the Near-Term Fetal Sheep. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 877-886.	2.4	111
36	Insulin-Like Growth Factor (IGF)-1 Suppresses Oligodendrocyte Caspase-3 Activation and Increases Glial Proliferation after Ischemia in Near-Term Fetal Sheep. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 739-747.	2.4	110

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37	Frequent Episodes of Brief Ischemia Sensitize the Fetal Sheep Brain to Neuronal Loss and Induce Striatal Injury. Pediatric Research, 1993, 33, 61-65.	1.1	107
38	Therapeutic hypothermia in neonates. Review of current clinical data, ILCOR recommendations and suggestions for implementation in neonatal intensive care units. Resuscitation, 2008, 78, 7-12.	1.3	107
39	Insulin-Like Growth Factor-1 Reduces Postischemic White Matter Injury in Fetal Sheep. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 493-502.	2.4	105
40	Relationship between evolving epileptiform activity and delayed loss of mitochondrial activity after asphyxia measured by near-infrared spectroscopy in preterm fetal sheep. Journal of Physiology, 2006, 572, 141-154.	1.3	104
41	The cardiovascular and cerebrovascular responses of the immature fetal sheep to acute umbilical cord occlusion. Journal of Physiology, 1999, 517, 247-257.	1.3	103
42	Delayed Seizures Occurring with Hypoxic- Ischemic Encephalopathy in the Fetal Sheep. Pediatric Research, 1990, 27, 561-565.	1.1	101
43	Mechanisms of Hypothermic Neuroprotection. Clinics in Perinatology, 2014, 41, 161-175.	0.8	98
44	The intrapartum deceleration in center stage: a physiologic approach to the interpretation of fetal heart rate changes in labor. American Journal of Obstetrics and Gynecology, 2007, 197, 236.e1-236.e11.	0.7	97
45	Therapeutic hypothermia translates from ancient history in to practice. Pediatric Research, 2017, 81, 202-209.	1.1	95
46	Key Neuroprotective Role for Endogenous Adenosine A 1 Receptor Activation During Asphyxia in the Fetal Sheep. Stroke, 2003, 34, 2240-2245.	1.0	94
47	Fetal heart rate variability and brain stem injury after asphyxia in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R925-R933.	0.9	94
48	Effects of hypoxia-ischemia and seizures on neuronal and glial-like c-fos protein levels in the infant rat. Brain Research, 1990, 531, 105-116.	1.1	92
49	Therapeutic Hypothermia in Neonatal Hypoxic-Ischemic Encephalopathy. Current Neurology and Neuroscience Reports, 2019, 19, 2.	2.0	91
50	Complex interactions between hypoxiaâ€ischemia and inflammation in preterm brain injury. Developmental Medicine and Child Neurology, 2018, 60, 126-133.	1.1	89
51	Magnesium sulfate therapy during asphyxia in near-term fetal lambs does not compromise the fetus but does not reduce cerebral injury. American Journal of Obstetrics and Gynecology, 1997, 176, 18-27.	0.7	88
52	Potential biomarkers for hypoxicâ€“ischemic encephalopathy. Seminars in Fetal and Neonatal Medicine, 2010, 15, 253-260.	1.1	88
53	The impact of ethnicity on the presentation of polycystic ovarian syndrome. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2001, 41, 202-206.	0.4	86
54	Suppression of postischemic epileptiform activity with MK-801 improves neural outcome in fetal sheep. Annals of Neurology, 1992, 32, 677-682.	2.8	84

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55	Astrocytes and microglia in acute cerebral injury underlying cerebral palsy associated with preterm birth. Pediatric Research, 2014, 75, 234-240.	1.1	83
56	Ethnicity and social deprivation independently influence metabolic control in children with type 1 diabetes. Diabetologia, 2008, 51, 1835-1842.	2.9	81
57	Etiology of Increasing Incidence of Congenital Hypothyroidism in New Zealand from 1993â€“2010. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 3155-3160.	1.8	81
58	Mechanisms of hypothermic neuroprotection. Seminars in Fetal and Neonatal Medicine, 2010, 15, 287-292.	1.1	80
59	The myths and physiology surrounding intrapartum decelerations: the critical role of the peripheral chemoreflex. Journal of Physiology, 2016, 594, 4711-4725.	1.3	80
60	The Window of Opportunity for Neuronal Rescue with Insulin-Like Growth Factor-1 after Hypoxiaâ€”Ischemia in Rats is Critically Modulated by Cerebral Temperature during Recovery. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 513-519.	2.4	78
61	Maturational Change in the Cortical Response to Hypoperfusion Injury in the Fetal Sheep. Pediatric Research, 1998, 43, 674-682.	1.1	78
62	Asphyxial brain injuryâ€”the role of the IGF system. Molecular and Cellular Endocrinology, 1998, 140, 95-99.	1.6	77
63	Destruction and reconstruction: Hypoxia and the developing brain. Birth Defects Research Part C: Embryo Today Reviews, 2007, 81, 163-176.	3.6	74
64	Differential Effects of Hypothermia on Early and Late Epileptiform Events After Severe Hypoxia in Preterm Fetal Sheep. Journal of Neurophysiology, 2007, 97, 572-578.	0.9	73
65	Hypoglycaemia and hyperglycaemia are associated with unfavourable outcome in infants with hypoxic ischaemic encephalopathy: a post hoc analysis of the CoolCap Study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F149-F155.	1.4	73
66	ST waveform changes during repeated umbilical cord occlusions in near-term fetal sheep. American Journal of Obstetrics and Gynecology, 2001, 184, 743-751.	0.7	72
67	Fetal heart rate variability changes during brief repeated umbilical cord occlusion in near term fetal sheep. BJOG: an International Journal of Obstetrics and Gynaecology, 1999, 106, 664-671.	1.1	68
68	Connexin Hemichannel Blockade Is Neuroprotective after Asphyxia in Preterm Fetal Sheep. PLoS ONE, 2014, 9, e96558.	1.1	66
69	Antecedents of neonatal encephalopathy with fetal acidaemia at term. BJOG: an International Journal of Obstetrics and Gynaecology, 1999, 106, 774-782.	1.1	65
70	A Key Role for Connexin Hemichannels in Spreading Ischemic Brain Injury. Current Drug Targets, 2013, 14, 36-46.	1.0	65
71	Neonatal encephalopathy and hypoxicâ€“ischemic encephalopathy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 162, 217-237.	1.0	65
72	Role of Hemichannels in CNS Inflammation and the Inflammasome Pathway. Advances in Protein Chemistry and Structural Biology, 2016, 104, 1-37.	1.0	65

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73	The ontogeny of hemodynamic responses to prolonged umbilical cord occlusion in fetal sheep. Journal of Applied Physiology, 2007, 103, 1311-1317.	1.2	64
74	Prenatal cerebral ischemia triggers dysmaturation of caudate projection neurons. Annals of Neurology, 2014, 75, 508-524.	2.8	63
75	Magnesium Is Not Consistently Neuroprotective for Perinatal Hypoxia-Ischemia in Term-Equivalent Models in Preclinical Studies: A Systematic Review. Developmental Neuroscience, 2014, 36, 73-82.	1.0	63
76	Neurodevelopmental and Body Composition Outcomes in Children With Congenital Hypothyroidism Treated With High-Dose Initial Replacement and Close Monitoring. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 3663-3670.	1.8	61
77	Partial Neural Protection with Prophylactic Low-Dose Melatonin after Asphyxia in Preterm Fetal Sheep. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 126-135.	2.4	61
78	Chronic inflammation and impaired development of the preterm brain. Journal of Reproductive Immunology, 2018, 125, 45-55.	0.8	61
79	The peripheral chemoreflex: indefatigable guardian of fetal physiological adaptation to labour. Journal of Physiology, 2018, 596, 5611-5623.	1.3	60
80	A working model for hypothermic neuroprotection. Journal of Physiology, 2018, 596, 5641-5654.	1.3	59
81	Post-hypoxic hypoperfusion is associated with suppression of cerebral metabolism and increased tissue oxygenation in near-term fetal sheep. Journal of Physiology, 2006, 572, 131-139.	1.3	58
82	How Long is Too Long for Cerebral Cooling after Ischemia in Fetal Sheep?. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 751-758.	2.4	58
83	Preterm Brain Injury, Antenatal Triggers, and Therapeutics: Timing Is Key. Cells, 2020, 9, 1871.	1.8	58
84	The Neuroprotective Actions of a Calcium Channel Antagonist, Flunarizine, in the Infant Rat. Pediatric Research, 1989, 25, 573-576.	1.1	57
85	Expression of insulin-like growth factor-binding protein 2 (IGF-BP 2) following transient hypoxia-ischemia in the infant rat brain. Molecular Brain Research, 1992, 15, 55-61.	2.5	57
86	Rebound Seizures During Rewarming. Pediatrics, 2004, 114, 1369-1369.	1.0	56
87	Suppression of post-hypoxic-ischemic EEG transients with dizocilpine is associated with partial striatal protection in the preterm fetal sheep. Neuropharmacology, 2006, 50, 491-503.	2.0	55
88	Fetal acidosis and hypotension during repeated umbilical cord occlusions are associated with enhanced chemoreflex responses in near-term fetal sheep. Journal of Applied Physiology, 2005, 99, 1477-1482.	1.2	54
89	Selective neuroprotective effects with insulin-like growth factor-1 in phenotypic striatal neurons following ischemic brain injury in fetal sheep. Neuroscience, 1999, 95, 831-839.	1.1	53
90	What brakes the preterm brain? An arresting story. Pediatric Research, 2014, 75, 227-233.	1.1	52

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91	Delayed hypotension and subendocardial injury after repeated umbilical cord occlusion in near-term fetal lambs. American Journal of Obstetrics and Gynecology, 2000, 183, 1564-1572.	0.7	51
92	Brain Cooling for Preterm Infants. Clinics in Perinatology, 2008, 35, 735-748.	0.8	51
93	Neonatal Encephalopathy With Group B Streptococcal Disease Worldwide: Systematic Review, Investigator Group Datasets, and Meta-analysis. Clinical Infectious Diseases, 2017, 65, S173-S189.	2.9	51
94	15-year incidence of diabetic ketoacidosis at onset of type 1 diabetes in children from a regional setting (Auckland, New Zealand). Scientific Reports, 2015, 5, 10358.	1.6	50
95	Delayed intranasal infusion of human amnion epithelial cells improves white matter maturation after asphyxia in preterm fetal sheep. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 223-239.	2.4	49
96	Effect of maternal position on fetal behavioural state and heart rate variability in healthy late gestation pregnancy. Journal of Physiology, 2017, 595, 1213-1221.	1.3	48
97	The Role of Connexin and Pannexin Channels in Perinatal Brain Injury and Inflammation. Frontiers in Physiology, 2019, 10, 141.	1.3	48
98	Connexin hemichannel blockade is neuroprotective after, but not during, global cerebral ischemia in near-term fetal sheep. Experimental Neurology, 2013, 248, 301-308.	2.0	47
99	Preventing Diabetic Ketoacidosis. Pediatric Clinics of North America, 2015, 62, 857-871.	0.9	47
100	Does Head Cooling With Mild Systemic Hypothermia Affect Requirement for Blood Pressure Support?. Pediatrics, 2009, 123, 1031-1036.	1.0	46
101	Should therapeutic hypothermia be offered to babies with mild neonatal encephalopathy in the first 6â€‰h after birth?. Pediatric Research, 2019, 85, 442-448.	1.1	46
102	Fetal heart rate changes do not reflect cardiovascular deterioration during brief repeated umbilical cord occlusions in near-term fetal lambs. American Journal of Obstetrics and Gynecology, 1997, 176, 8-17.	0.7	45
103	Head Cooling for Neonatal Encephalopathy: The State of the Art. Clinical Obstetrics and Gynecology, 2007, 50, 636-651.	0.6	45
104	How long is sufficient for optimal neuroprotection with cerebral cooling after ischemia in fetal sheep?. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1047-1059.	2.4	45
105	Therapeutic hypothermia: from lab to NICU. Journal of Perinatal Medicine, 2005, 33, 340-6.	0.6	44
106	Sympathetic neural activation does not mediate heart rate variability during repeated brief umbilical cord occlusions in nearâ€term fetal sheep. Journal of Physiology, 2016, 594, 1265-1277.	1.3	44
107	A novel therapeutic paradigm to treat congenital hypothyroidism. Clinical Endocrinology, 2008, 69, 142-147.	1.2	43
108	Maternal dexamethasone and EEG hyperactivity in preterm fetal sheep. Journal of Physiology, 2011, 589, 3823-3835.	1.3	43

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109	Sustained sympathetic nervous system support of arterial blood pressure during repeated brief umbilical cord occlusions in near-term fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R787-R795.	0.9	43
110	Battle of the hemichannels â€“ Connexins and Pannexins in ischemic brain injury. International Journal of Developmental Neuroscience, 2015, 45, 66-74.	0.7	43
111	Hypoxic-ischemic brain injury in the newborn: pathophysiology and potential strategies for intervention. Seminars in Fetal and Neonatal Medicine, 2001, 6, 109-120.	2.8	42
112	Endogenous Î±2-adrenergic receptor-mediated neuroprotection after severe hypoxia in preterm fetal sheep. Neuroscience, 2006, 142, 615-628.	1.1	42
113	Is temperature important in delivery room resuscitation?. Seminars in Fetal and Neonatal Medicine, 2001, 6, 241-249.	2.8	41
114	The role of the sympathetic nervous system in postasphyxial intestinal hypoperfusion in the pre-term sheep fetus. Journal of Physiology, 2004, 557, 1033-1044.	1.3	41
115	Subclinical exposure to low-dose endotoxin impairs EEG maturation in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R270-R278.	0.9	41
116	Simple Car Seat Insert to Prevent Upper Airway Narrowing in Preterm Infants: A Pilot Study. Pediatrics, 2003, 112, 907-913.	1.0	40
117	Regulation of cytochrome oxidase redox state during umbilical cord occlusion in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1569-R1576.	0.9	40
118	Cerebral Oxygenation during Postasphyxial Seizures in Near-Term Fetal Sheep. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 911-918.	2.4	39
119	Epileptiform Activity During Rewarming from Moderate Cerebral Hypothermia in the Near-Term Fetal Sheep. Pediatric Research, 2005, 57, 342-346.	1.1	39
120	Neural plasticity and the <scp>K</scp>ennard principle: does it work for the preterm brain?. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 774-784.	0.9	39
121	Animal studies of neonatal hypothermic neuroprotection have translated well in to practice. Resuscitation, 2015, 97, 88-90.	1.3	39
122	Extending the duration of hypothermia does not further improve white matter protection after ischemia in term-equivalent fetal sheep. Scientific Reports, 2016, 6, 25178.	1.6	38
123	Relationship between PCO2 and unfavorable outcome in infants with moderate-to-severe hypoxic ischemic encephalopathy. Pediatric Research, 2016, 80, 204-208.	1.1	38
124	Magnesium sulfate reduces EEG activity but is not neuroprotective after asphyxia in preterm fetal sheep. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1362-1373.	2.4	38
125	The fetus at the tipping point: modifying the outcome of fetal asphyxia. Journal of Physiology, 2018, 596, 5571-5592.	1.3	38
126	The emerging role of induced hypothermia in the management of acute stroke. Journal of Clinical Neuroscience, 2002, 9, 502-507.	0.8	37

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127	Partial white and grey matter protection with prolonged infusion of recombinant human erythropoietin after asphyxia in preterm fetal sheep. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1080-1094.	2.4	37
128	The Premature Fetus: Not as Defenseless as We Thought, but Still Paradoxically Vulnerable?. Developmental Neuroscience, 2001, 23, 175-179.	1.0	36
129	The role for IGF-1-derived small neuropeptides as a therapeutic target for neurological disorders. Expert Opinion on Therapeutic Targets, 2015, 19, 785-793.	1.5	36
130	The Use of Connexin-Based Therapeutic Approaches to Target Inflammatory Diseases. Methods in Molecular Biology, 2013, 1037, 519-546.	0.4	36
131	Flunarizine, a Calcium Channel Antagonist, Is Partially Prophylactically Neuroprotective in Hypoxic-Ischemic Encephalopathy in the Fetal Sheep. Pediatric Research, 1994, 35, 657-663.	1.1	35
132	Brain Hypothermia and QT Interval. Pediatrics, 1999, 103, 1079.1-1079.	1.0	35
133	Partial neuroprotection with low-dose infusion of the Î±2-adrenergic receptor agonist clonidine after severe hypoxia in preterm fetal sheep. Neuropharmacology, 2008, 55, 166-174.	2.0	35
134	Deleterious Effects of High Dose Connexin 43 Mimetic Peptide Infusion After Cerebral Ischaemia in Near-Term Fetal Sheep. International Journal of Molecular Sciences, 2012, 13, 6303-6319.	1.8	35
135	A Critical Review of Models of Perinatal Infection. Developmental Neuroscience, 2015, 37, 289-304.	1.0	35
136	Perinatal brain injury mechanisms and therapeutic approaches. Frontiers in Bioscience - Landmark, 2018, 23, 2204-2226.	3.0	35
137	Preventing Brain Injury in the Preterm Infantâ€"Current Controversies and Potential Therapies. International Journal of Molecular Sciences, 2021, 22, 1671.	1.8	35
138	Spontaneous hypoxia in multiple pregnancies is associated with early fetal decompensation and enhanced T-wave elevation during brief repeated cord occlusion in near-term fetal sheep. American Journal of Obstetrics and Gynecology, 2005, 193, 1526-1533.	0.7	34
139	Synergistic white matter protection with acute-on-chronic endotoxin and subsequent asphyxia in preterm fetal sheep. Journal of Neuroinflammation, 2014, 11, 89.	3.1	34
140	The role of the neural sympathetic and parasympathetic systems in diurnal and sleep state-related cardiovascular rhythms in the late-gestation ovine fetus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R998-R1008.	0.9	33
141	Time and sex dependent effects of magnesium sulphate on postâ€asphyxial seizures in preterm fetal sheep. Journal of Physiology, 2018, 596, 6079-6092.	1.3	33
142	Growth hormone increases breast milk volumes in mothers of preterm infants. Pediatrics, 1996, 98, 279-82.	1.0	33
143	Male disadvantage? Fetal sex and cardiovascular responses to asphyxia in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1280-R1286.	0.9	32
144	Induced cerebral hypothermia reduces post-hypoxic loss of phenotypic striatal neurons in preterm fetal sheep. Experimental Neurology, 2007, 203, 137-147.	2.0	32

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145	The incidence, clinical features, and treatment of type 2 diabetes in children <15 yr in a population-based cohort from Auckland, New Zealand, 1995-2007. Pediatric Diabetes, 2012, 13, 294-300.	1.2	32
146	Antenatal Dexamethasone after Asphyxia Increases Neural Injury in Preterm Fetal Sheep. PLoS ONE, 2013, 8, e77480.	1.1	32
147	Role of Recurrent Hypoxia-Ischemia in Preterm White Matter Injury Severity. PLoS ONE, 2014, 9, e112800.	1.1	32
148	Hyaluronan synthesis by developing cortical neurons in vitro. Scientific Reports, 2017, 7, 44135.	1.6	32
149	Role of the Cerebrovascular and Metabolic Responses in the Delayed Phases of Injury After Transient Cerebral Ischemia in Fetal Sheep. Stroke, 1999, 30, 2735-2742.	1.0	31
150	The emerging role of therapeutic hypothermia in acute stroke. Lancet Neurology, The, 2003, 2, 529.	4.9	31
151	Polyuria and impaired renal blood flow after asphyxia in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R576-R583.	0.9	31
152	Hypothermia: An Evolving Treatment for Neonatal Hypoxic Ischemic Encephalopathy. Pediatrics, 2008, 121, 648-649.	1.0	31
153	Timing of injury in the fetus and neonate. Current Opinion in Obstetrics and Gynecology, 2008, 20, 175-181.	0.9	31
154	An investigation of fetal behavioural states during maternal sleep in healthy late gestation pregnancy: an observational study. Journal of Physiology, 2017, 595, 7441-7450.	1.3	31
155	Understanding Fetal Heart Rate Patterns That May Predict Antenatal and Intrapartum Neural Injury. Seminars in Pediatric Neurology, 2018, 28, 3-16.	1.0	31
156	Combination treatments with therapeutic hypothermia for hypoxicâ€ischemic neuroprotection. Developmental Medicine and Child Neurology, 2020, 62, 1131-1137.	1.1	31
157	Tumor necrosis factor inhibition attenuates white matter gliosis after systemic inflammation in preterm fetal sheep. Journal of Neuroinflammation, 2020, 17, 92.	3.1	31
158	Profound hypotension and associated electrocardiographic changes during prolonged cord occlusion in the near term fetal sheep. American Journal of Obstetrics and Gynecology, 2005, 193, 803-810.	0.7	30
159	The Fetal Heart Rate Response to Hypoxia: Insights from Animal Models. Clinics in Perinatology, 2009, 36, 655-672.	0.8	30
160	Nonadditive Neuroprotection With Early Glutamate Receptor Blockade and Delayed Hypothermia After Asphyxia in Preterm Fetal Sheep. Stroke, 2012, 43, 3114-3117.	1.0	30
161	Limited predictive value of early changes in EEG spectral power for neural injury after asphyxia in preterm fetal sheep. Pediatric Research, 2012, 71, 345-353.	1.1	30
162	Analgesics, sedatives, anticonvulsant drugs, and the cooled brain. Seminars in Fetal and Neonatal Medicine, 2015, 20, 109-114.	1.1	30

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163	Robust Wavelet Stabilized â€˜Footprints of Uncertaintyâ€™ for Fuzzy System Classifiers to Automatically Detect Sharp Waves in the EEG after Hypoxia Ischemia. International Journal of Neural Systems, 2017, 27, 1650051.	3.2	30
164	Can we further optimize therapeutic hypothermia for hypoxic-ischemic encephalopathy?. Neural Regeneration Research, 2019, 14, 1678.	1.6	30
165	Growth hormone stimulates galactopoiesis in healthy lactating women. European Journal of Endocrinology, 1992, 127, 337-343.	1.9	29
166	Changes in Risk Factors for Hypoxic-ischaemic Seizures in Term Infants. Australian and New Zealand Journal of Obstetrics and Gynaecology, 1997, 37, 36-39.	0.4	29
167	Pre-Existing Hypoxia Is Associated with Greater EEG Suppression and Early Onset of Evolving Seizure Activity during Brief Repeated Asphyxia in Near-Term Fetal Sheep. PLoS ONE, 2013, 8, e73895.	1.1	29
168	The effects of dexamethasone on postâ€asphyxial cerebral oxygenation in the preterm fetal sheep. Journal of Physiology, 2014, 592, 5493-5505.	1.3	29
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