

Alistair Gunn

List of Publications by Year in descending order

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Version: 2024-02-01

427
papers

18,559
citations

15495

65
h-index

20343

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. <i>Lancet, The</i> , 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. <i>BMJ: British Medical Journal</i> , 2010, 340, c363-c363.	2.4	765
3	Dramatic neuronal rescue with prolonged selective head cooling after ischemia in fetal lambs.. <i>Journal of Clinical Investigation</i> , 1997, 99, 248-256.	3.9	541
4	Selective Head Cooling in Newborn Infants After Perinatal Asphyxia: A Safety Study. <i>Pediatrics</i> , 1998, 102, 885-892.	1.0	406
5	Determinants of Outcomes After Head Cooling for Neonatal Encephalopathy. <i>Pediatrics</i> , 2007, 119, 912-921.	1.0	308
6	Neuroprotection With Prolonged Head Cooling Started Before Postischemic Seizures in Fetal Sheep. <i>Pediatrics</i> , 1998, 102, 1098-1106.	1.0	292
7	Hypothermic neuroprotection. <i>NeuroRx</i> , 2006, 3, 154-169.	6.0	210
8	Outcome after ischemia in the developing sheep brain: An electroencephalographic and histological study. <i>Annals of Neurology</i> , 1992, 31, 14-21.	2.8	207
9	Cerebral Hypothermia Is Not Neuroprotective When Started after Postischemic Seizures in Fetal Sheep. <i>Pediatric Research</i> , 1999, 46, 274-280.	1.1	198
10	Insulin-like growth factor-1 and post-ischemic brain injury. <i>Progress in Neurobiology</i> , 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. <i>Journal of Pediatrics</i> , 2011, 159, 851-858.e1.	0.9	189
12	The importance of "awareness"™ for understanding fetal pain. <i>Brain Research Reviews</i> , 2005, 49, 455-471.	9.1	184
13	Non-Compliance with Growth Hormone Treatment in Children Is Common and Impairs Linear Growth. <i>PLoS ONE</i> , 2011, 6, e16223.	1.1	180
14	Treatment of Term Infants With Head Cooling and Mild Systemic Hypothermia (35.0°C and 34.5°C) After Perinatal Asphyxia. <i>Pediatrics</i> , 2003, 111, 244-251.	1.0	179
15	Hypoxia-ischemia induces transforming growth factor β 1 mRNA in the infant rat brain. <i>Molecular Brain Research</i> , 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. <i>Journal of Pediatrics</i> , 2006, 148, 170-175.e1.	0.9	173
17	Cerebral Histologic and Electroencephalographic Changes after Asphyxia in Fetal Sheep. <i>Pediatric Research</i> , 1992, 31, 486-491.	1.1	169
18	The mechanisms and treatment of asphyxial encephalopathy. <i>Frontiers in Neuroscience</i> , 2014, 8, 40.	1.4	165

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19	Congenital idiopathic growth hormone deficiency associated with prenatal and early postnatal growth failure. <i>Journal of Pediatrics</i> , 1992, 121, 920-923.	0.9	163
20	Neurodevelopmental Outcome of Infants Treated With Head Cooling and Mild Hypothermia After Perinatal Asphyxia. <i>Pediatrics</i> , 2001, 107, 480-484.	1.0	161
21	Fetal Hypoxia Insults and Patterns of Brain Injury: Insights from Animal Models. <i>Clinics in Perinatology</i> , 2009, 36, 579-593.	0.8	157
22	Cell therapy for neonatal hypoxia-ischemia and cerebral palsy. <i>Annals of Neurology</i> , 2012, 71, 589-600.	2.8	153
23	Cerebral hypothermia for prevention of brain injury following perinatal asphyxia. <i>Current Opinion in Pediatrics</i> , 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. <i>Pediatric Research</i> , 1996, 39, 791-797.	1.1	152
25	Seven- to eight-year follow-up of the CoolCap trial of head cooling for neonatal encephalopathy. <i>Pediatric Research</i> , 2012, 71, 205-209.	1.1	151
26	Therapeutic Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy-Where to from Here?. <i>Frontiers in Neurology</i> , 2015, 6, 198.	1.1	149
27	Which Neuroprotective Agents are Ready for Bench to Bedside Translation in the Newborn Infant?. <i>Journal of Pediatrics</i> , 2012, 160, 544-552.e4.	0.9	147
28	Transient umbilical cord occlusion causes hippocampal damage in the fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 1992, 167, 1423-1430.	0.7	145
29	Therapeutic Hypothermia Changes the Prognostic Value of Clinical Evaluation of Neonatal Encephalopathy. <i>Journal of Pediatrics</i> , 2008, 152, 55-58.e1.	0.9	144
30	The 'pharmacology' of neuronal rescue with cerebral hypothermia. <i>Early Human Development</i> , 1998, 53, 19-35.	0.8	129
31	Connexin hemichannel blockade improves outcomes in a model of fetal ischemia. <i>Annals of Neurology</i> , 2012, 71, 121-132.	2.8	129
32	An evaluation of methods for grading histologic injury following ischemia/reperfusion of the small bowel. <i>Transplantation Proceedings</i> , 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. <i>Journal of Physiology</i> , 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. <i>Pediatric Research</i> , 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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 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. <i>Pediatric Research</i> , 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. <i>Resuscitation</i> , 2008, 78, 7-12.	1.3	107
39	Insulin-Like Growth Factor-1 Reduces Postischemic White Matter Injury in Fetal Sheep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 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. <i>Journal of Physiology</i> , 2006, 572, 141-154.	1.3	104
41	The cardiovascular and cerebrovascular responses of the immature fetal sheep to acute umbilical cord occlusion. <i>Journal of Physiology</i> , 1999, 517, 247-257.	1.3	103
42	Delayed Seizures Occurring with Hypoxic- Ischemic Encephalopathy in the Fetal Sheep. <i>Pediatric Research</i> , 1990, 27, 561-565.	1.1	101
43	Mechanisms of Hypothermic Neuroprotection. <i>Clinics in Perinatology</i> , 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. <i>American Journal of Obstetrics and Gynecology</i> , 2007, 197, 236.e1-236.e11.	0.7	97
45	Therapeutic hypothermia translates from ancient history in to practice. <i>Pediatric Research</i> , 2017, 81, 202-209.	1.1	95
46	Key Neuroprotective Role for Endogenous Adenosine A 1 Receptor Activation During Asphyxia in the Fetal Sheep. <i>Stroke</i> , 2003, 34, 2240-2245.	1.0	94
47	Fetal heart rate variability and brain stem injury after asphyxia in preterm fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 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. <i>Brain Research</i> , 1990, 531, 105-116.	1.1	92
49	Therapeutic Hypothermia in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 2.	2.0	91
50	Complex interactions between hypoxia-ischemia and inflammation in preterm brain injury. <i>Developmental Medicine and Child Neurology</i> , 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. <i>American Journal of Obstetrics and Gynecology</i> , 1997, 176, 18-27.	0.7	88
52	Potential biomarkers for hypoxic-ischemic encephalopathy. <i>Seminars in Fetal and Neonatal Medicine</i> , 2010, 15, 253-260.	1.1	88
53	The impact of ethnicity on the presentation of polycystic ovarian syndrome. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2001, 41, 202-206.	0.4	86
54	Suppression of postischemic epileptiform activity with MK-801 improves neural outcome in fetal sheep. <i>Annals of Neurology</i> , 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. <i>Pediatric Research</i> , 2014, 75, 234-240.	1.1	83
56	Ethnicity and social deprivation independently influence metabolic control in children with type 1 diabetes. <i>Diabetologia</i> , 2008, 51, 1835-1842.	2.9	81
57	Etiology of Increasing Incidence of Congenital Hypothyroidism in New Zealand from 1993â€“2010. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 3155-3160.	1.8	81
58	Mechanisms of hypothermic neuroprotection. <i>Seminars in Fetal and Neonatal Medicine</i> , 2010, 15, 287-292.	1.1	80
59	The myths and physiology surrounding intrapartum decelerations: the critical role of the peripheral chemoreflex. <i>Journal of Physiology</i> , 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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 513-519.	2.4	78
61	Maturation Change in the Cortical Response to Hypoperfusion Injury in the Fetal Sheep. <i>Pediatric Research</i> , 1998, 43, 674-682.	1.1	78
62	Asphyxial brain injuryâ€“the role of the IGF system. <i>Molecular and Cellular Endocrinology</i> , 1998, 140, 95-99.	1.6	77
63	Destruction and reconstruction: Hypoxia and the developing brain. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 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. <i>Journal of Neurophysiology</i> , 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. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2016, 101, F149-F155.	1.4	73
66	ST waveform changes during repeated umbilical cord occlusions in near-term fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2001, 184, 743-751.	0.7	72
67	Fetal heart rate variability changes during brief repeated umbilical cord occlusion in near term fetal sheep. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1999, 106, 664-671.	1.1	68
68	Connexin Hemichannel Blockade Is Neuroprotective after Asphyxia in Preterm Fetal Sheep. <i>PLoS ONE</i> , 2014, 9, e96558.	1.1	66
69	Antecedents of neonatal encephalopathy with fetal acidaemia at term. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1999, 106, 774-782.	1.1	65
70	A Key Role for Connexin Hemichannels in Spreading Ischemic Brain Injury. <i>Current Drug Targets</i> , 2013, 14, 36-46.	1.0	65
71	Neonatal encephalopathy and hypoxicâ€“ischemic encephalopathy. <i>Handbook of Clinical Neurology</i> / 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. <i>Advances in Protein Chemistry and Structural Biology</i> , 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. <i>Journal of Applied Physiology</i> , 2007, 103, 1311-1317.	1.2	64
74	Prenatal cerebral ischemia triggers dysmaturation of caudate projection neurons. <i>Annals of Neurology</i> , 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. <i>Developmental Neuroscience</i> , 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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3663-3670.	1.8	61
77	Partial Neural Protection with Prophylactic Low-Dose Melatonin after Asphyxia in Preterm Fetal Sheep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 126-135.	2.4	61
78	Chronic inflammation and impaired development of the preterm brain. <i>Journal of Reproductive Immunology</i> , 2018, 125, 45-55.	0.8	61
79	The peripheral chemoreflex: indefatigable guardian of fetal physiological adaptation to labour. <i>Journal of Physiology</i> , 2018, 596, 5611-5623.	1.3	60
80	A working model for hypothermic neuroprotection. <i>Journal of Physiology</i> , 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. <i>Journal of Physiology</i> , 2006, 572, 131-139.	1.3	58
82	How Long is Too Long for Cerebral Cooling after Ischemia in Fetal Sheep?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 751-758.	2.4	58
83	Preterm Brain Injury, Antenatal Triggers, and Therapeutics: Timing Is Key. <i>Cells</i> , 2020, 9, 1871.	1.8	58
84	The Neuroprotective Actions of a Calcium Channel Antagonist, Flunarizine, in the Infant Rat. <i>Pediatric Research</i> , 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. <i>Molecular Brain Research</i> , 1992, 15, 55-61.	2.5	57
86	Rebound Seizures During Rewarming. <i>Pediatrics</i> , 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. <i>Neuropharmacology</i> , 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. <i>Journal of Applied Physiology</i> , 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. <i>Neuroscience</i> , 1999, 95, 831-839.	1.1	53
90	What brakes the preterm brain? An arresting story. <i>Pediatric Research</i> , 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. <i>American Journal of Obstetrics and Gynecology</i> , 2000, 183, 1564-1572.	0.7	51
92	Brain Cooling for Preterm Infants. <i>Clinics in Perinatology</i> , 2008, 35, 735-748.	0.8	51
93	Neonatal Encephalopathy With Group B Streptococcal Disease Worldwide: Systematic Review, Investigator Group Datasets, and Meta-analysis. <i>Clinical Infectious Diseases</i> , 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). <i>Scientific Reports</i> , 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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 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. <i>Journal of Physiology</i> , 2017, 595, 1213-1221.	1.3	48
97	The Role of Connexin and Pannexin Channels in Perinatal Brain Injury and Inflammation. <i>Frontiers in Physiology</i> , 2019, 10, 141.	1.3	48
98	Connexin hemichannel blockade is neuroprotective after, but not during, global cerebral ischemia in near-term fetal sheep. <i>Experimental Neurology</i> , 2013, 248, 301-308.	2.0	47
99	Preventing Diabetic Ketoacidosis. <i>Pediatric Clinics of North America</i> , 2015, 62, 857-871.	0.9	47
100	Does Head Cooling With Mild Systemic Hypothermia Affect Requirement for Blood Pressure Support?. <i>Pediatrics</i> , 2009, 123, 1031-1036.	1.0	46
101	Should therapeutic hypothermia be offered to babies with mild neonatal encephalopathy in the first 6h after birth?. <i>Pediatric Research</i> , 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. <i>American Journal of Obstetrics and Gynecology</i> , 1997, 176, 8-17.	0.7	45
103	Head Cooling for Neonatal Encephalopathy: The State of the Art. <i>Clinical Obstetrics and Gynecology</i> , 2007, 50, 636-651.	0.6	45
104	How long is sufficient for optimal neuroprotection with cerebral cooling after ischemia in fetal sheep?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1047-1059.	2.4	45
105	Therapeutic hypothermia: from lab to NICU. <i>Journal of Perinatal Medicine</i> , 2005, 33, 340-6.	0.6	44
106	Sympathetic neural activation does not mediate heart rate variability during repeated brief umbilical cord occlusions in near-term fetal sheep. <i>Journal of Physiology</i> , 2016, 594, 1265-1277.	1.3	44
107	A novel therapeutic paradigm to treat congenital hypothyroidism. <i>Clinical Endocrinology</i> , 2008, 69, 142-147.	1.2	43
108	Maternal dexamethasone and EEG hyperactivity in preterm fetal sheep. <i>Journal of Physiology</i> , 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. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R787-R795.	0.9	43
110	Battle of the hemichannels – Connexins and Pannexins in ischemic brain injury. <i>International Journal of Developmental Neuroscience</i> , 2015, 45, 66-74.	0.7	43
111	Hypoxic-ischemic brain injury in the newborn: pathophysiology and potential strategies for intervention. <i>Seminars in Fetal and Neonatal Medicine</i> , 2001, 6, 109-120.	2.8	42
112	Endogenous β -adrenergic receptor-mediated neuroprotection after severe hypoxia in preterm fetal sheep. <i>Neuroscience</i> , 2006, 142, 615-628.	1.1	42
113	Is temperature important in delivery room resuscitation?. <i>Seminars in Fetal and Neonatal Medicine</i> , 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. <i>Journal of Physiology</i> , 2004, 557, 1033-1044.	1.3	41
115	Subclinical exposure to low-dose endotoxin impairs EEG maturation in preterm fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R270-R278.	0.9	41
116	Simple Car Seat Insert to Prevent Upper Airway Narrowing in Preterm Infants: A Pilot Study. <i>Pediatrics</i> , 2003, 112, 907-913.	1.0	40
117	Regulation of cytochrome oxidase redox state during umbilical cord occlusion in preterm fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1569-R1576.	0.9	40
118	Cerebral Oxygenation during Postasphyxial Seizures in Near-Term Fetal Sheep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 911-918.	2.4	39
119	Epileptiform Activity During Rewarming from Moderate Cerebral Hypothermia in the Near-Term Fetal Sheep. <i>Pediatric Research</i> , 2005, 57, 342-346.	1.1	39
120	Neural plasticity and the Hebbian principle: does it work for the preterm brain?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 774-784.	0.9	39
121	Animal studies of neonatal hypothermic neuroprotection have translated well in to practice. <i>Resuscitation</i> , 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. <i>Scientific Reports</i> , 2016, 6, 25178.	1.6	38
123	Relationship between PCO ₂ and unfavorable outcome in infants with moderate-to-severe hypoxic ischemic encephalopathy. <i>Pediatric Research</i> , 2016, 80, 204-208.	1.1	38
124	Magnesium sulfate reduces EEG activity but is not neuroprotective after asphyxia in preterm fetal sheep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1362-1373.	2.4	38
125	The fetus at the tipping point: modifying the outcome of fetal asphyxia. <i>Journal of Physiology</i> , 2018, 596, 5571-5592.	1.3	38
126	The emerging role of induced hypothermia in the management of acute stroke. <i>Journal of Clinical Neuroscience</i> , 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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1080-1094.	2.4	37
128	The Premature Fetus: Not as Defenseless as We Thought, but Still Paradoxically Vulnerable?. <i>Developmental Neuroscience</i> , 2001, 23, 175-179.	1.0	36
129	The role for IGF-1-derived small neuropeptides as a therapeutic target for neurological disorders. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 785-793.	1.5	36
130	The Use of Connexin-Based Therapeutic Approaches to Target Inflammatory Diseases. <i>Methods in Molecular Biology</i> , 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. <i>Pediatric Research</i> , 1994, 35, 657-663.	1.1	35
132	Brain Hypothermia and QT Interval. <i>Pediatrics</i> , 1999, 103, 1079.1-1079.	1.0	35
133	Partial neuroprotection with low-dose infusion of the α_2 -adrenergic receptor agonist clonidine after severe hypoxia in preterm fetal sheep. <i>Neuropharmacology</i> , 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. <i>International Journal of Molecular Sciences</i> , 2012, 13, 6303-6319.	1.8	35
135	A Critical Review of Models of Perinatal Infection. <i>Developmental Neuroscience</i> , 2015, 37, 289-304.	1.0	35
136	Perinatal brain injury mechanisms and therapeutic approaches. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 2204-2226.	3.0	35
137	Preventing Brain Injury in the Preterm Infant—Current Controversies and Potential Therapies. <i>International Journal of Molecular Sciences</i> , 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. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 193, 1526-1533.	0.7	34
139	Synergistic white matter protection with acute-on-chronic endotoxin and subsequent asphyxia in preterm fetal sheep. <i>Journal of Neuroinflammation</i> , 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. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R998-R1008.	0.9	33
141	Time and sex dependent effects of magnesium sulphate on post-asphyxial seizures in preterm fetal sheep. <i>Journal of Physiology</i> , 2018, 596, 6079-6092.	1.3	33
142	Growth hormone increases breast milk volumes in mothers of preterm infants. <i>Pediatrics</i> , 1996, 98, 279-82.	1.0	33
143	Male disadvantage? Fetal sex and cardiovascular responses to asphyxia in preterm fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1280-R1286.	0.9	32
144	Induced cerebral hypothermia reduces post-hypoxic loss of phenotypic striatal neurons in preterm fetal sheep. <i>Experimental Neurology</i> , 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. <i>Pediatric Diabetes</i> , 2012, 13, 294-300.	1.2	32
146	Antenatal Dexamethasone after Asphyxia Increases Neural Injury in Preterm Fetal Sheep. <i>PLoS ONE</i> , 2013, 8, e77480.	1.1	32
147	Role of Recurrent Hypoxia-Ischemia in Preterm White Matter Injury Severity. <i>PLoS ONE</i> , 2014, 9, e112800.	1.1	32
148	Hyaluronan synthesis by developing cortical neurons in vitro. <i>Scientific Reports</i> , 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. <i>Stroke</i> , 1999, 30, 2735-2742.	1.0	31
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