Alistair Gunn

List of Publications by Year
in descending order

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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	Fetal defenses against intrapartum head compressionâ€"implications for intrapartum decelerations and hypoxic-ischemic injury. American Journal of Obstetrics and Gynecology, 2023, 228, S1117-S1128.	0.7	12
2	Implications of the HELIX trial for treating infants with hypoxic-ischaemic encephalopathy in low-to-middle-income countries. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2023, 108, 83-84.	1.4	6
3	Challenges in developing therapeutic strategies for mild neonatal encephalopathy. Neural Regeneration Research, 2022, 17, 277.	1.6	15
4	Physiological control of fetal heart rate variability during labour: implications and controversies. Journal of Physiology, 2022, 600, 431-450.	1.3	13
5	Fetal heart rate variability is a biomarker of rapid but not progressive exacerbation of inflammation in preterm fetal sheep. Scientific Reports, 2022, 12, 1771.	1.6	10
6	Textbooks can be wrongâ€"head compression is very unlikely to contribute to intrapartum decelerations. American Journal of Obstetrics and Gynecology, 2022, 227, 121-122.	0.7	2
7	Prognostic Neurobiomarkers in Neonatal Encephalopathy. Developmental Neuroscience, 2022, 44, 331-343.	1.0	5
8	Is Late Prevention of Cerebral Palsy in Extremely Preterm Infants Plausible?. Developmental Neuroscience, 2022, 44, 177-185.	1.0	6
9	Increased variability of fetal heart rate during labour: a review of preclinical and clinical studies. BJOG: an International Journal of Obstetrics and Gynaecology, 2022, 129, 2070-2081.	1.1	12
10	Back to the beginning: can we stop brain injury before it starts?. Journal of Physiology, 2022, 600, 3013-3014.	1.3	1
11	Connexins, Pannexins and Gap Junctions in Perinatal Brain Injury. Biomedicines, 2022, 10, 1445.	1.4	1
12	Persistent cortical and white matter inflammation after therapeutic hypothermia for ischemia in near-term fetal sheep. Journal of Neuroinflammation, 2022, 19, .	3.1	8
13	Fifty-three years of follow-up of an infant with neonatal encephalopathy treated with therapeutic hypothermia. Pediatric Research, 2021, 89, 1117-1118.	1.1	0
14	Advanced Deep Learning Spectroscopy of Scalogram Infused CNN Classifiers for Robust Identification of Postâ€Hypoxic Epileptiform EEG Spikes. Advanced Intelligent Systems, 2021, 3, 2000198.	3.3	11
15	Window of opportunity for human amnion epithelial stem cells to attenuate astrogliosis after umbilical cord occlusion in preterm fetal sheep. Stem Cells Translational Medicine, 2021, 10, 427-440.	1.6	13
16	Recombinant erythropoietin does not augment hypothermic white matter protection after global cerebral ischaemia in near-term fetal sheep. Brain Communications, 2021, 3, fcab172.	1.5	8
17	Deceleration area and capacity during labourâ€like umbilical cord occlusions identify evolving hypotension: a controlled study in fetal sheep. BJOG: an International Journal of Obstetrics and Gynaecology, 2021, 128, 1433-1442.	1.1	23
18	Preventing Brain Injury in the Preterm Infantâ€"Current Controversies and Potential Therapies. International Journal of Molecular Sciences, 2021, 22, 1671.	1.8	35

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19	Tertiary cystic white matter injury as a potential phenomenon after hypoxia-ischaemia in preterm f sheep. Brain Communications, 2021, 3, fcab024.	1.5	15
20	Reply to the â€œLetter to the Editor: measurement of fetal parasympathetic activity during labor: a new pathway for evaluation of fetal well-being?â€• American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R469-R470.	0.9	0
21	Anti-Inflammatory Therapies for Treatment of Inflammation-Related Preterm Brain Injury. International Journal of Molecular Sciences, 2021, 22, 4008.	1.8	14
22	Lack of evidence for impaired preload or Bezold-Jarisch activation during brief umbilical cord occlusions in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R532-R540.	0.9	13
23	Neonatal encephalopathy and potential lost opportunities: when the story fits, please cool. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 458-459.	1.4	4
24	Reply to â€œLetter to the Editor: Bezoldâ€“Jarisch reflex in the near-term fetus during labor: a matter of timeâ€• American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R716-R718.	0.9	2
25	Long-term coordinated microstructural disruptions of the developing neocortex and subcortical white matter after early postnatal systemic inflammation. Brain, Behavior, and Immunity, 2021, 94, 338-356.	2.0	11
26	Letter to the editor regarding â€œThe influence of melatonin on the heart rhythm â€“ An in vitro simulation with murine embryonic stem cell derived cardiomyocytesâ€• Biomedicine and Pharmacotherapy, 2021, 137, 111398.	2.5	0
27	Unanswered questions regarding therapeutic hypothermia for neonates with neonatal encephalopathy. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101257.	1.1	19
28	Adverse neural effects of delayed, intermittent treatment with rEPO after asphyxia in preterm fetal sheep. Journal of Physiology, 2021, 599, 3593-3609.	1.3	9
29	Evidence of a plateau in the incidence of type 1 diabetes in children 0â€“4â€‰years of age from a regional pediatric diabetes center; Auckland, New Zealand: 1977â€“2019. Pediatric Diabetes, 2021, 22, 854-860.	1.2	5
30	Transient effects of forebrain ischemia on fetal heart rate variability in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R916-R924.	0.9	2
31	Melatonin augments the neuroprotective effects of hypothermia in lambs following perinatal asphyxia. Journal of Pineal Research, 2021, 71, e12744.	3.4	9
32	Induction of Tertiary Phase Epileptiform Discharges after Postasphyxial Infusion of a Toll-Like Receptor 7 Agonist in Preterm Fetal Sheep. International Journal of Molecular Sciences, 2021, 22, 6593.	1.8	4
33	Update on mechanisms of the pathophysiology of neonatal encephalopathy. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101267.	1.1	18
34	Response to deceleration area and deceleration capacity: promising predictors of fetal acidaemia in human labour? Visual versus computerised cardiotocography. BJOG: an International Journal of Obstetrics and Gynaecology, 2021, 128, 2055-2056.	1.1	0
35	Treating Seizures after Hypoxic-Ischemic Encephalopathyâ€”Current Controversies and Future Directions. International Journal of Molecular Sciences, 2021, 22, 7121.	1.8	19
36	Interleukin-1 blockade attenuates white matter inflammation and oligodendrocyte loss after progressive systemic lipopolysaccharide exposure in near-term fetal sheep. Journal of Neuroinflammation, 2021, 18, 189.	3.1	23

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37	Insulin Pump Use and Diabetic Retinopathyâ€"Is Technology the Key to Preventing Retinopathy in Young People With Type 1 Diabetes?. JAMA Network Open, 2021, 4, e2127955.	2.8	2
38	Reply to Smolich and Mynard. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R636-R637.	0.9	1
39	Changes in Cellular Localization of Inter-Alpha Inhibitor Proteins after Cerebral Ischemia in the Near-Term Ovine Fetus. International Journal of Molecular Sciences, 2021, 22, 10751.	1.8	1
40	An observational study of pregnancy and postâ€partum outcomes in women with prolactinoma treated with dopamine agonists. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2020, 60, 405-411.	0.4	16
41	Protection of axonal integrity with 48 or 72â€‰h of cerebral hypothermia in near-term fetal sheep. Pediatric Research, 2020, 88, 48-56.	1.1	10
42	When is a potential new neuroprotective treatment ready for translation?. Pediatric Research, 2020, 87, 620-621.	1.1	1
43	TLR7 agonist modulation of postasphyxial neurophysiological and cardiovascular adaptations in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R369-R378.	0.9	3
44	Magnetic Resonance Imaging Correlates of White Matter Gliosis and Injury in Preterm Fetal Sheep Exposed to Progressive Systemic Inflammation. International Journal of Molecular Sciences, 2020, 21, 8891.	1.8	15
45	Peripheral chemoreflex control of fetal heart rate decelerations overwhelms the baroreflex during brief umbilical cord occlusions in fetal sheep. Journal of Physiology, 2020, 598, 4523-4536.	1.3	27
46	Preterm Brain Injury, Antenatal Triggers, and Therapeutics: Timing Is Key. Cells, 2020, 9, 1871.	1.8	58
47	Reply to the â€œLetter to the Editor: Mind the gap: epistemology of heart rate variabilityâ€• American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R345-R346.	0.9	1
48	Effects of Î²-adrenergic stimulation on fetal heart rate, heart rate variability, and T-wave elevation during brief umbilical cord occlusions in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R551-R559.	0.9	4
49	Wavelet Spectral Time-Frequency Training of Deep Convolutional Neural Networks for Accurate Identification of Micro-Scale Sharp Wave Biomarkers in the Post-Hypoxic-Ischemic EEG of Preterm Sheep. , 2020, 2020, 1039-1042.		5
50	Wavelet Spectral Deep-training of Convolutional Neural Networks for Accurate Identification of High-Frequency Micro-Scale Spike Transients in the Post-Hypoxic-Ischemic EEG of Preterm Sheep. , 2020, 2020, 1011-1014.		4
51	Connexin Hemichannel Mimetic Peptide Attenuates Cortical Interneuron Loss and Perineuronal Net Disruption Following Cerebral Ischemia in Near-Term Fetal Sheep. International Journal of Molecular Sciences, 2020, 21, 6475.	1.8	7
52	Parasympathetic activity is the key regulator of heart rate variability between decelerations during brief repeated umbilical cord occlusions in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R541-R550.	0.9	19
53	Effects of antenatal dexamethasone and hyperglycemia on cardiovascular adaptation to asphyxia in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R653-R665.	0.9	3
54	Lipopolysaccharide-induced changes in the neurovascular unit in the preterm fetal sheep brain. Journal of Neuroinflammation, 2020, 17, 167.	3.1	17

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55	A Systematic Review of Magnesium Sulfate for Perinatal Neuroprotection: What Have We Learnt From the Past Decade?. Frontiers in Neurology, 2020, 11, 449.	1.1	23
56	Cooling and immunomodulation for treating hypoxicâ€ischemic brain injury. Pediatrics International, 2020, 62, 770-778.	0.2	13
57	Latent Phase Identification of High-Frequency Micro-Scale Gamma Spike Transients in the Hypoxic Ischemic EEG of Preterm Fetal Sheep Using Spectral Analysis and Fuzzy Classifiers. Sensors, 2020, 20, 1424.	2.1	8
58	Plasma vasopressin levels are closely associated with fetal hypotension and neuronal injury after hypoxia-ischemia in near-term fetal sheep. Pediatric Research, 2020, 88, 857-864.	1.1	15
59	Circulating catecholamines partially regulate T-wave morphology but not heart rate variability during repeated umbilical cord occlusions in fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R123-R131.	0.9	16
60	Combination treatments with therapeutic hypothermia for hypoxicâ€ischemic neuroprotection. Developmental Medicine and Child Neurology, 2020, 62, 1131-1137.	1.1	31
61	Late onset oxygen requirement following neonatal therapeutic hypothermia. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 2258-2265.	0.7	4
62	Nonâ€additive effects of adjunct erythropoietin therapy with therapeutic hypothermia after global cerebral ischaemia in nearâ€term fetal sheep. Journal of Physiology, 2020, 598, 999-1015.	1.3	18
63	The Effect of Size, Maturation, Global Asphyxia, Cerebral Ischemia, and Therapeutic Hypothermia on the Pharmacokinetics of High-Dose Recombinant Erythropoietin in Fetal Sheep. International Journal of Molecular Sciences, 2020, 21, 3042.	1.8	5
64	Tumor necrosis factor inhibition attenuates white matter gliosis after systemic inflammation in preterm fetal sheep. Journal of Neuroinflammation, 2020, 17, 92.	3.1	31
65	Deep Convolutional Neural Networks for the Accurate Identification of High-Amplitude Stereotypic Epileptiform Seizures in the Post-Hypoxic-Ischemic EEG of Preterm Fetal Sheep. , 2020, 2020, 1-4.		6
66	Deep Convolutional Neural Network and Reverse Biorthogonal Wavelet Scalograms for Automatic Identification of High Frequency Micro-Scale Spike Transients in the Post-Hypoxic-Ischemic EEG. , 2020, 2020, 1015-1018.		7
67	Limited benefit of slow rewarming after cerebral hypothermia for global cerebral ischemia in near-term fetal sheep. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2246-2257.	2.4	17
68	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
69	Differential effects of slow rewarming after cerebral hypothermia on white matter recovery after global cerebral ischemia in near-term fetal sheep. Scientific Reports, 2019, 9, 10142.	1.6	12
70	Protective effects of delayed intraventricular TLR7 agonist administration on cerebral white and gray matter following asphyxia in the preterm fetal sheep. Scientific Reports, 2019, 9, 9562.	1.6	12
71	Should hypoxic babies get a little cold at birth?. Journal of Physiology, 2019, 597, 3793-3794.	1.3	0
72	Early sinusoidal heart rate patterns and heart rate variability to assess hypoxiaâ€“ischaemia in nearâ€term fetal sheep. Journal of Physiology, 2019, 597, 5535-5548.	1.3	17

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73	Magnesium sulfate: a last roll of the dice for anti-excitotoxicity?. Pediatric Research, 2019, 86, 685-687.	1.1	4
74	Toward the elimination of bias in Pediatric Research. Pediatric Research, 2019, 86, 680-681.	1.1	0
75	Latent Phase Detection of Hypoxic-Ischemic Spike Transients in the EEG of Preterm Fetal Sheep Using Reverse Biorthogonal Wavelets & Fuzzy Classifier. International Journal of Neural Systems, 2019, 29, 1950013.	3.2	15
76	Misleading with citation statistics?. Journal of Physiology, 2019, 597, 2593-2594.	1.3	5
77	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
78	Evaluating anti-epileptic drugs in the era of therapeutic hypothermia. Pediatric Research, 2019, 85, 931-933.	1.1	5
79	The Role of Connexin and Pannexin Channels in Perinatal Brain Injury and Inflammation. Frontiers in Physiology, 2019, 10, 141.	1.3	48
80	Automatically Identified Micro-scale Sharp-wave Transients in the Early-Latent Phase of Hypoxic-Ischemic EEG from Preterm Fetal Sheep Reveal Timing Relationship to Subcortical Neuronal Survival. , 2019, 2019, 7084-7087.		6
81	2D Wavelet Scalogram Training of Deep Convolutional Neural Network for Automatic Identification of Micro-Scale Sharp Wave Biomarkers in the Hypoxic-Ischemic EEG of Preterm Sheep. , 2019, 2019, 1825-1828.		16
82	Evidence that therapeutic hypothermia should be continued for 72 hours. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F225.1-F225.	1.4	6
83	Towards faster studies of neonatal encephalopathy. Lancet Neurology, The, 2019, 18, 21-22.	4.9	7
84	Therapeutic Hypothermia in Neonatal Hypoxic-Ischemic Encephalopathy. Current Neurology and Neuroscience Reports, 2019, 19, 2.	2.0	91
85	Endogenous neuroprotection after perinatal hypoxia-ischaemia: the resilient developing brain. Journal of the Royal Society of New Zealand, 2019, 49, 79-99.	1.0	3
86	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
87	Can we further optimize therapeutic hypothermia for hypoxic-ischemic encephalopathy?. Neural Regeneration Research, 2019, 14, 1678.	1.6	30
88	The peripheral chemoreflex: indefatigable guardian of fetal physiological adaptation to labour. Journal of Physiology, 2018, 596, 5611-5623.	1.3	60
89	A working model for hypothermic neuroprotection. Journal of Physiology, 2018, 596, 5641-5654.	1.3	59
90	Evolving changes in fetal heart rate variability and brain injury after hypoxiaâ€ischaemia in preterm fetal sheep. Journal of Physiology, 2018, 596, 6093-6104.	1.3	25

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91	Angiotensinâ€converting enzymeâ€inhibitor therapy in adolescents with type 1 diabetes in a regional cohort: Auckland, New Zealand from 2006 to 2016. Journal of Paediatrics and Child Health, 2018, 54, 493-498.	0.4	4
92	Chronic inflammation and impaired development of the preterm brain. Journal of Reproductive Immunology, 2018, 125, 45-55.	0.8	61
93	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
94	Antenatal dexamethasone before asphyxia promotes cystic neural injury in preterm fetal sheep by inducing hyperglycemia. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 706-718.	2.4	22
95	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
96	Complex interactions between hypoxiaâ€ischemia and inflammation in preterm brain injury. Developmental Medicine and Child Neurology, 2018, 60, 126-133.	1.1	89
97	Mild Neonatal Encephalopathyâ€"How, When, and How Much to Treat?. JAMA Pediatrics, 2018, 172, 3.	3.3	28
98	EEG sharp waves are a biomarker of striatal neuronal survival after hypoxia-ischemia in preterm fetal sheep. Scientific Reports, 2018, 8, 16312.	1.6	26
99	Loss of interneurons and disruption of perineuronal nets in the cerebral cortex following hypoxia-ischaemia in near-term fetal sheep. Scientific Reports, 2018, 8, 17686.	1.6	22
100	Challenges and controversies in perinatal physiology. Journal of Physiology, 2018, 596, 5485-5489.	1.3	0
101	Magnesium sulfate and sex differences in cardiovascular and neural adaptations during normoxia and asphyxia in preterm fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R205-R217.	0.9	10
102	Increasing incidence of type 2 diabetes in New Zealand children <15 years of age in a regionalâ€based diabetes service, Auckland, New Zealand. Journal of Paediatrics and Child Health, 2018, 54, 1005-1010.	0.4	19
103	The fetus at the tipping point: modifying the outcome of fetal asphyxia. Journal of Physiology, 2018, 596, 5571-5592.	1.3	38
104	Understanding Fetal Heart Rate Patterns That May Predict Antenatal and Intrapartum Neural Injury. Seminars in Pediatric Neurology, 2018, 28, 3-16.	1.0	31
105	Perinatal brain injury mechanisms and therapeutic approaches. Frontiers in Bioscience - Landmark, 2018, 23, 2204-2226.	3.0	35
106	A brief campaign to prevent diabetic ketoacidosis in children newly diagnosed with type 1 diabetes mellitus: The NO-DKA Study. Pediatric Diabetes, 2018, 19, 1257-1262.	1.2	15
107	Glia and hemichannels: key mediators of perinatal encephalopathy. Neural Regeneration Research, 2018, 13, 181.	1.6	22
108	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

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109	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
110	Hyperglycaemia in infants with hypoxicâ€“ischaemic encephalopathy is associated with improved outcomes after therapeutic hypothermia: a post hoc analysis of the CoolCap Study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F299-F306.	1.4	27
111	In the Era of Therapeutic Hypothermia, How Well Do Studies of Perinatal Neuroprotection Control Temperature?. Developmental Neuroscience, 2017, 39, 7-22.	1.0	22
112	Hyaluronan synthesis by developing cortical neurons in vitro. Scientific Reports, 2017, 7, 44135.	1.6	32
113	Reply from Christopher A. Lear, Robert Galinsky, Guido Wassink, Kyohei Yamaguchi, Joanne O. Davidson, Jenny A. Westgate, Laura Bennet and Alistair J. Gunn. Journal of Physiology, 2017, 595, 6081-6083.	1.3	2
114	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
115	Connexin hemichannel blockade improves survival of striatal GABA-ergic neurons after global cerebral ischaemia in term-equivalent fetal sheep. Scientific Reports, 2017, 7, 6304.	1.6	16
116	Pathways to reduce diabetic ketoacidosis with new onset type 1 diabetes: Evidence from a regional pediatric diabetes center: Auckland, New Zealand, 2010 to 2014. Pediatric Diabetes, 2017, 18, 553-558.	1.2	15
117	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
118	Therapeutic hypothermia translates from ancient history in to practice. Pediatric Research, 2017, 81, 202-209.	1.1	95
119	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
120	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
121	Responses of the Fetus and Neonate to Hypothermia. , 2017, , 482-489.e2.		0
122	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
123	Cholinergic and Î²-adrenergic control of cardiovascular reflex responses to brief repeated asphyxia in term-equivalent fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R949-R956.	0.9	19
124	Examining the effect of MgSO<inf>4</inf> on sharp wave transient activity in the hypoxic-ischemic fetal sheep model. , 2016, 2016, 908-911.		4
125	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
126	Relationship between PCO2 and unfavorable outcome in infants with moderate-to-severe hypoxic ischemic encephalopathy. Pediatric Research, 2016, 80, 204-208.	1.1	38

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127	HMGB1 Translocation After Ischemia in the Ovine Fetal Brain. Journal of Neuropathology and Experimental Neurology, 2016, 75, 527-538.	0.9	16
128	Identifying stereotypic evolving micro-scale seizures (SEMS) in the hypoxic-ischemic EEG of the pre-term fetal sheep with a Wavelet Type-II Fuzzy classifier. , 2016, 2016, 973-976.		9
129	Magnesium sulphate and cardiovascular and cerebrovascular adaptations to asphyxia in preterm fetal sheep. Journal of Physiology, 2016, 594, 1281-1293.	1.3	24
130	The myths and physiology surrounding intrapartum decelerations: the critical role of the peripheral chemoreflex. Journal of Physiology, 2016, 594, 4711-4725.	1.3	80
131	Timing still key to treating hypoxic ischaemic brain injury. Lancet Neurology, The, 2016, 15, 126-127.	4.9	16
132	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
133	Using Pregnant Sheep to Model Developmental Brain Damage. Neuromethods, 2016, , 327-341.	0.2	11
134	Role of Hemichannels in CNS Inflammation and the Inflammasome Pathway. Advances in Protein Chemistry and Structural Biology, 2016, 104, 1-37.	1.0	65
135	Constitutional Delay Influences the Auxological Response to Growth Hormone Treatment in Children with Short Stature and Growth Hormone Sufficiency. Scientific Reports, 2015, 4, 6061.	1.6	2
136	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
137	Subclinical decelerations during developing hypotension in preterm fetal sheep after acute on chronic lipopolysaccharide exposure. Scientific Reports, 2015, 5, 16201.	1.6	13
138	Therapeutic Hypothermia for Neonatal Hypoxicâ€“Ischemic Encephalopathyâ€‰â€“â€‰Where to from Here?. Frontiers in Neurology, 2015, 6, 198.	1.1	149
139	Hypothermic Neuroprotection Is Associated With Recovery of Spectral Edge Frequency After Asphyxia in Preterm Fetal Sheep. Stroke, 2015, 46, 585-587.	1.0	13
140	Reverse Bi-orthogonal wavelets & fuzzy classifiers for the automatic detection of spike waves in the EEG of the hypoxic ischemic pre-term fetal sheep. , 2015, 2015, 5404-7.		14
141	Lipopolysaccharide-Induced Preconditioning Attenuates Apoptosis and Differentially Regulates TLR4 and TLR7 Gene Expression after Ischemia in the Preterm Ovine Fetal Brain. Developmental Neuroscience, 2015, 37, 497-514.	1.0	23
142	Battle of the hemichannels â€“ Connexins and Pannexins in ischemic brain injury. International Journal of Developmental Neuroscience, 2015, 45, 66-74.	0.7	43
143	Potential neuroprotective strategies for perinatal infection and inflammation. International Journal of Developmental Neuroscience, 2015, 45, 44-54.	0.7	11
144	A Critical Review of Models of Perinatal Infection. Developmental Neuroscience, 2015, 37, 289-304.	1.0	35

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145	Preventing Diabetic Ketoacidosis. Pediatric Clinics of North America, 2015, 62, 857-871.	0.9	47
146	Non-Additive Effects of Delayed Connexin Hemichannel Blockade and Hypothermia after Cerebral Ischemia in Near-Term Fetal Sheep. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 2052-2061.	2.4	26
147	Neuroprotection for Perinatal Hypoxic Ischemic Encephalopathy in Low- and Middle-Income Countries. Journal of Pediatrics, 2015, 167, 25-28.	0.9	29
148	Severe short stature and Wolf-Hirschhorn syndrome: response to growth hormone in two cases without growth hormone deficiency. Oxford Medical Case Reports, 2015, 2015, 211-214.	0.2	4
149	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
150	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
151	Spontaneous Pre-Existing Hypoxia Does Not Affect Brain Damage after Global Cerebral Ischaemia in Late-Gestation Fetal Sheep. Developmental Neuroscience, 2015, 37, 56-65.	1.0	3
152	Advanced magnetic resonance spectroscopy and imaging techniques applied to brain development and animal models of perinatal injury. International Journal of Developmental Neuroscience, 2015, 45, 29-38.	0.7	21
153	Beneficence and Nonmaleficence in Treating Neonatal Hypoxic-Ischemic Brain Injury. Developmental Neuroscience, 2015, 37, 305-310.	1.0	9
154	Animal studies of neonatal hypothermic neuroprotection have translated well in to practice. Resuscitation, 2015, 97, 88-90.	1.3	39
155	Analgesics, sedatives, anticonvulsant drugs, and the cooled brain. Seminars in Fetal and Neonatal Medicine, 2015, 20, 109-114.	1.1	30
156	Studies of Perinatal Asphyxial Brain Injury in the Fetal Sheep. Neuromethods, 2015, , 85-105.	0.2	1
157	Status Epilepticus after Prolonged Umbilical Cord Occlusion Is Associated with Greater Neural Injury Fetal Sheep at Term-Equivalent. PLoS ONE, 2014, 9, e96530.	1.1	17
158	Connexin Hemichannel Blockade Is Neuroprotective after Asphyxia in Preterm Fetal Sheep. PLoS ONE, 2014, 9, e96558.	1.1	66
159	Role of Recurrent Hypoxia-Ischemia in Preterm White Matter Injury Severity. PLoS ONE, 2014, 9, e112800.	1.1	32
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