Thomas R Wood Bm, Bch

List of Publications by Year
in descending order

50 papers	928 citations	566801 15 h-index	500791 28 g-index
51 all docs	51 docs citations	51 times ranked	1052 citing authors

#	Article	IF	Citations
1	Cooling Combined with Immediate or Delayed Xenon Inhalation Provides Equivalent Long-Term Neuroprotection after Neonatal Hypoxiaâ€"Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 707-714.	2.4	146
2	Treatment temperature and insult severity influence the neuroprotective effects of therapeutic hypothermia. Scientific Reports, 2016, 6, 23430.	1.6	79
3	Physiological responses to hypothermia. Seminars in Fetal and Neonatal Medicine, 2015, 20, 87-96.	1.1	73
4	Curcumin-loaded polymeric nanoparticles for neuroprotection in neonatal rats with hypoxic-ischemic encephalopathy. Nano Research, 2018, 11, 5670-5688.	5.8	58
5	Hypothermia Does Not Reverse Cellular Responses Caused by Lipopolysaccharide in Neonatal Hypoxic-Ischaemic Brain Injury. Developmental Neuroscience, 2015, 37, 390-397.	1.0	45
6	Hypothermic Neuronal Rescue from Infection-Sensitised Hypoxic-Ischaemic Brain Injury Is Pathogen Dependent. Developmental Neuroscience, 2017, 39, 238-247.	1.0	42
7	Variability and sex-dependence of hypothermic neuroprotection in a rat model of neonatal hypoxicâ€"ischaemic brain injury: a single laboratory meta-analysis. Scientific Reports, 2020, 10, 10833.	1.6	32
8	Xenon Combined with Therapeutic Hypothermia Is Not Neuroprotective after Severe Hypoxia-Ischemia in Neonatal Rats. PLoS ONE, 2016, 11, e0156759.	1.1	31
9	Assessment of 2-Year Neurodevelopmental Outcomes in Extremely Preterm Infants Receiving Opioids and Benzodiazepines. JAMA Network Open, 2021, 4, e2115998.	2.8	28
10	Systemsâ€level thinking for nanoparticleâ€mediated therapeutic delivery to neurological diseases. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1422.	3.3	26
11	Exogenous Ketone Bodies as Promising Neuroprotective Agents for Developmental Brain Injury. Developmental Neuroscience, 2018, 40, 451-462.	1.0	24
12	Rectal temperature in the first five hours after hypoxiaâ€"ischemia critically affects neuropathological outcomes in neonatal rats. Pediatric Research, 2018, 83, 536-544.	1.1	23
13	A More Comprehensive Approach to the Neuroprotective Potential of Long-Chain Polyunsaturated Fatty Acids in Preterm Infants Is Neededâ€"Should We Consider Maternal Diet and the n-6:n-3 Fatty Acid Ratio?. Frontiers in Pediatrics, 2019, 7, 533.	0.9	23
14	The Future of Shift Work: Circadian Biology Meets Personalised Medicine and Behavioural Science. Frontiers in Nutrition, 2020, 7, 116.	1.6	22
15	Hypothermia Is Neuroprotective after Severe Hypoxic-Ischaemic Brain Injury in Neonatal Rats Pre-Exposed to PAM3CSK4. Developmental Neuroscience, 2018, 40, 189-197.	1.0	18
16	Intracranial Hemorrhage and 2-Year Neurodevelopmental Outcomes in Infants Born Extremely Preterm. Journal of Pediatrics, 2021, 238, 124-134.e10.	0.9	16
17	Superoxide dismutase reduces monosodium glutamate-induced injury in an organotypic whole hemisphere brain slice model of excitotoxicity. Journal of Biological Engineering, 2020, 14, 3.	2.0	16
18	Maternal and Neonatal Polyunsaturated Fatty Acid Intake and Risk of Neurodevelopmental Impairment in Premature Infants. International Journal of Molecular Sciences, 2022, 23, 700.	1.8	16

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19	Disease-directed engineering for physiology-driven treatment interventions in neurological disorders. APL Bioengineering, 2019, 3, 040901.	3.3	14
20	Dexamethasone, Prednisolone, and Methylprednisolone Use and 2-Year Neurodevelopmental Outcomes in Extremely Preterm Infants. JAMA Network Open, 2022, 5, e221947.	2.8	14
21	Postnatal maximal weight loss, fluid administration, and outcomes in extremely preterm newborns. Journal of Perinatology, 2022, 42, 1008-1016.	0.9	14
22	Monitoring of cerebral blood flow during hypoxia-ischemia and resuscitation in the neonatal rat using laser speckle imaging. Physiological Reports, 2016, 4, e12749.	0.7	13
23	Active cooling temperature required to achieve therapeutic hypothermia correlates with shortâ€term outcome in neonatal hypoxicâ€ischaemic encephalopathy. Journal of Physiology, 2020, 598, 415-424.	1.3	13
24	The cardiovascular risk reduction benefits of a low-carbohydrate diet outweigh the potential increase in LDL-cholesterol. British Journal of Nutrition, 2016, 115, 1126-1128.	1.2	11
25	Nanotherapeutic modulation of excitotoxicity and oxidative stress in acute brain injury. Nanobiomedicine, 2020, 7, 184954352097081.	4.4	11
26	Reframing Nutritional Microbiota Studies To Reflect an Inherent Metabolic Flexibility of the Human Gut: a Narrative Review Focusing on High-Fat Diets. MBio, 2021, 12, .	1.8	11
27	An interpretable machine learning model of biological age. F1000Research, 0, 8, 17.	0.8	9
28	The effect of resuscitation in 100% oxygen on brain injury in a newborn rat model of severe hypoxic-ischaemic encephalopathy. Resuscitation, 2015, 96, 214-219.	1.3	8
29	A Ferret Model of Inflammation-sensitized Late Preterm Hypoxic-ischemic Brain Injury. Journal of Visualized Experiments, 2019, , .	0.2	8
30	Early Biomarkers of Hypoxia and Inflammation and Two-Year Neurodevelopmental Outcomes in the Preterm Erythropoietin Neuroprotection (PENUT) Trial. EBioMedicine, 2021, 72, 103605.	2.7	8
31	Metabolic health and lifestyle medicine should be a cornerstone of future pandemic preparedness. Lifestyle Medicine, 2020, 1, e2.	0.3	7
32	Deaths in a Modern Cohort of Extremely Preterm Infants From the Preterm Erythropoietin Neuroprotection Trial. JAMA Network Open, 2022, 5, e2146404.	2.8	7
33	Xenon depresses aEEG background voltage activity whilst maintaining cardiovascular stability in sedated healthy newborn pigs. Journal of the Neurological Sciences, 2016, 363, 140-144.	0.3	6
34	A Ferret Model of Encephalopathy of Prematurity. Developmental Neuroscience, 2018, 40, 475-489.	1.0	6
35	Cytokine and chemokine responses to injury and treatment in a nonhuman primate model of hypoxic-ischemic encephalopathy treated with hypothermia and erythropoietin. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2054-2066.	2.4	6
36	Formulation and Efficacy of Catalase-Loaded Nanoparticles for the Treatment of Neonatal Hypoxic-Ischemic Encephalopathy. Pharmaceutics, 2021, 13, 1131.	2.0	6

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37	Why Have the Benefits of DHA Not Been Borne Out in the Treatment and Prevention of Alzheimerâ€™s Disease? A Narrative Review Focused on DHA Metabolism and Adipose Tissue. International Journal of Molecular Sciences, 2021, 22, 11826.	1.8	6
38	A ferret brain slice model of oxygenâ€“glucose deprivation captures regional responses to perinatal injury and treatment associated with specific microglial phenotypes. Bioengineering and Translational Medicine, 2022, 7, e10265.	3.9	6
39	Evaluating Neuroprotective Effects of Uridine, Erythropoietin, and Therapeutic Hypothermia in a Ferret Model of Inflammation-Sensitized Hypoxic-Ischemic Encephalopathy. International Journal of Molecular Sciences, 2021, 22, 9841.	1.8	5
40	Lost Metabolic Machinery During Ketosis? Depends Where You Are Looking. Strength and Conditioning Journal, 2017, 39, 94-95.	0.7	4
41	Ontogeny of white matter, tollâ€like receptor expression, and motor skills in the neonatal ferret. International Journal of Developmental Neuroscience, 2018, 70, 25-33.	0.7	4
42	A low-carbohydrate survey: Evidence for sustainable metabolic syndrome reversal. Journal of Insulin Resistance, 2016, 1, .	0.6	3
43	Diffusion Tensor Imaging Changes Do Not Affect Long-Term Neurodevelopment following Early Erythropoietin among Extremely Preterm Infants in the Preterm Erythropoietin Neuroprotection Trial. Brain Sciences, 2021, 11, 1360.	1.1	3
44	Vitamin E Decreases Cytotoxicity and Mitigates Inflammatory and Oxidative Stress Responses in a Ferret Organotypic Brain Slice Model of Neonatal Hypoxia-Ischemia. Developmental Neuroscience, 2022, 44, 233-245.	1.0	3
45	Re: â€œOxidative Priority, Meal Frequency, and the Energy Economy of Food and Activity: Implications for Longevity, Obesity, and Cardiometabolic Diseaseâ€• by Cronise et al. (Metab Syndr Relat Disord) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.5	3
46	What the obesity epidemic does not need: A cancel culture. Lifestyle Medicine, 2021, 2, e27.	0.3	1
47	Using synthetic datasets to bridge the gap between the promise and reality of basing health-related decisions on common single nucleotide polymorphisms. F1000Research, 0, 8, 2147.	0.8	1
48	Deleterious Effect of Crossfostering in Rat Pups on Hypoxic-Ischaemic Injury Tolerance and Hypothermic Neuroprotection. Developmental Neuroscience, 2021, , .	1.0	1
49	Cover Image, Volume 9, Issue 2. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1463.	3.3	0
50	PATHOLOGICAL EVALUATION OF NEONATAL FERRET MODELS OF INFLAMMATIONâ€SENSITIZED HYPOXIAâ€ISCHEMIA. FASEB Journal, 2019, 33, 662.11.	0.2	0