

Thomas R Wood Bm, Bch

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45 papers	560 citations	11 h-index	22 g-index
51 ext. papers	733 ext. citations	4.6 avg, IF	4.18 L-index

#	Paper	IF	Citations
45	Cooling combined with immediate or delayed xenon inhalation provides equivalent long-term neuroprotection after neonatal hypoxia-ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 707-14	7.3	129
44	Treatment temperature and insult severity influence the neuroprotective effects of therapeutic hypothermia. <i>Scientific Reports</i> , 2016 , 6, 23430	4.9	52
43	Physiological responses to hypothermia. <i>Seminars in Fetal and Neonatal Medicine</i> , 2015 , 20, 87-96	3.7	49
42	Curcumin-loaded polymeric nanoparticles for neuroprotection in neonatal rats with hypoxic-ischemic encephalopathy. <i>Nano Research</i> , 2018 , 11, 5670-5688	10	42
41	Hypothermia Does Not Reverse Cellular Responses Caused by Lipopolysaccharide in Neonatal Hypoxic-Ischaemic Brain Injury. <i>Developmental Neuroscience</i> , 2015 , 37, 390-7	2.2	36
40	Hypothermic Neuronal Rescue from Infection-Sensitised Hypoxic-Ischaemic Brain Injury Is Pathogen Dependent. <i>Developmental Neuroscience</i> , 2017 , 39, 238-247	2.2	33
39	Xenon Combined with Therapeutic Hypothermia Is Not Neuroprotective after Severe Hypoxia-Ischemia in Neonatal Rats. <i>PLoS ONE</i> , 2016 , 11, e0156759	3.7	22
38	Systems-level thinking for nanoparticle-mediated therapeutic delivery to neurological diseases. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1422	9.2	19
37	Rectal temperature in the first five hours after hypoxia-ischemia critically affects neuropathological outcomes in neonatal rats. <i>Pediatric Research</i> , 2018 , 83, 536-544	3.2	18
36	Exogenous Ketone Bodies as Promising Neuroprotective Agents for Developmental Brain Injury. <i>Developmental Neuroscience</i> , 2018 , 40, 451-462	2.2	16
35	Variability and sex-dependence of hypothermic neuroprotection in a rat model of neonatal hypoxic-ischaemic brain injury: a single laboratory meta-analysis. <i>Scientific Reports</i> , 2020 , 10, 10833	4.9	14
34	A More Comprehensive Approach to the Neuroprotective Potential of Long-Chain Polyunsaturated Fatty Acids in Preterm Infants Is Needed-Should We Consider Maternal Diet and the n-6:n-3 Fatty Acid Ratio?. <i>Frontiers in Pediatrics</i> , 2019 , 7, 533	3.4	11
33	Monitoring of cerebral blood flow during hypoxia-ischemia and resuscitation in the neonatal rat using laser speckle imaging. <i>Physiological Reports</i> , 2016 , 4, e12749	2.6	11
32	The cardiovascular risk reduction benefits of a low-carbohydrate diet outweigh the potential increase in LDL-cholesterol. <i>British Journal of Nutrition</i> , 2016 , 115, 1126-8	3.6	9
31	Hypothermia Is Neuroprotective after Severe Hypoxic-Ischaemic Brain Injury in Neonatal Rats Pre-Exposed to PAM3CSK4. <i>Developmental Neuroscience</i> , 2018 , 40, 189-197	2.2	9
30	Disease-directed engineering for physiology-driven treatment interventions in neurological disorders. <i>APL Bioengineering</i> , 2019 , 3, 040901	6.6	8
29	The Future of Shift Work: Circadian Biology Meets Personalised Medicine and Behavioural Science. <i>Frontiers in Nutrition</i> , 2020 , 7, 116	6.2	7

28	The effect of resuscitation in 100% oxygen on brain injury in a newborn rat model of severe hypoxic-ischaemic encephalopathy. <i>Resuscitation</i> , 2015 , 96, 214-9	4	6
27	Superoxide dismutase reduces monosodium glutamate-induced injury in an organotypic whole hemisphere brain slice model of excitotoxicity. <i>Journal of Biological Engineering</i> , 2020 , 14, 3	6.3	6
26	A Ferret Model of Inflammation-sensitized Late Preterm Hypoxic-ischemic Brain Injury. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	6
25	Xenon depresses aEEG background voltage activity whilst maintaining cardiovascular stability in sedated healthy newborn pigs. <i>Journal of the Neurological Sciences</i> , 2016 , 363, 140-4	3.2	5
24	An interpretable machine learning model of biological age. <i>F1000Research</i> , 8 , 17	3.6	4
23	Active cooling temperature required to achieve therapeutic hypothermia correlates with short-term outcome in neonatal hypoxic-ischaemic encephalopathy. <i>Journal of Physiology</i> , 2020 , 598, 415-424	3.9	4
22	A Ferret Model of Encephalopathy of Prematurity. <i>Developmental Neuroscience</i> , 2018 , 40, 475-489	2.2	4
21	Diffusion Tensor Imaging Changes Do Not Affect Long-Term Neurodevelopment following Early Erythropoietin among Extremely Preterm Infants in the Preterm Erythropoietin Neuroprotection Trial. <i>Brain Sciences</i> , 2021 , 11,	3.4	3
20	Nanotherapeutic modulation of excitotoxicity and oxidative stress in acute brain injury.. <i>Nanobiomedicine</i> , 2020 , 7, 1849543520970819	4.8	3
19	Reframing Nutritional Microbiota Studies To Reflect an Inherent Metabolic Flexibility of the Human Gut: a Narrative Review Focusing on High-Fat Diets. <i>MBio</i> , 2021 , 12,	7.8	3
18	Formulation and Efficacy of Catalase-Loaded Nanoparticles for the Treatment of Neonatal Hypoxic-Ischemic Encephalopathy. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
17	Assessment of 2-Year Neurodevelopmental Outcomes in Extremely Preterm Infants Receiving Opioids and Benzodiazepines. <i>JAMA Network Open</i> , 2021 , 4, e2115998	10.4	3
16	Ontogeny of white matter, toll-like receptor expression, and motor skills in the neonatal ferret. <i>International Journal of Developmental Neuroscience</i> , 2018 , 70, 25-33	2.7	3
15	Intracranial Hemorrhage and 2-Year Neurodevelopmental Outcomes in Infants Born Extremely Preterm. <i>Journal of Pediatrics</i> , 2021 , 238, 124-134.e10	3.6	3
14	A low-carbohydrate survey: Evidence for sustainable metabolic syndrome reversal. <i>Journal of Insulin Resistance</i> , 2016 , 1,	1.3	2
13	Early Biomarkers of Hypoxia and Inflammation and Two-Year Neurodevelopmental Outcomes in the Preterm Erythropoietin Neuroprotection (PENUT) Trial. <i>EBioMedicine</i> , 2021 , 72, 103605	8.8	2
12	Cytokine and chemokine responses to injury and treatment in a nonhuman primate model of hypoxic-ischemic encephalopathy treated with hypothermia and erythropoietin. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2054-2066	7.3	2
11	Evaluating Neuroprotective Effects of Uridine, Erythropoietin, and Therapeutic Hypothermia in a Ferret Model of Inflammation-Sensitized Hypoxic-Ischemic Encephalopathy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2

10	If the Metabolic Winter Is Coming, When Will It Be Summer?. <i>Metabolic Syndrome and Related Disorders</i> , 2017 , 15, 3	2.6	1
9	Lost Metabolic Machinery During Ketosis? Depends Where You Are Looking. <i>Strength and Conditioning Journal</i> , 2017 , 39, 94-95	2	1
8	Maternal and Neonatal Polyunsaturated Fatty Acid Intake and Risk of Neurodevelopmental Impairment in Premature Infants.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
7	Using synthetic datasets to bridge the gap between the promise and reality of basing health-related decisions on common single nucleotide polymorphisms. <i>F1000Research</i> , 8, 2147	3.6	1
6	Dexamethasone, Prednisolone, and Methylprednisolone Use and 2-Year Neurodevelopmental Outcomes in Extremely Preterm Infants.. <i>JAMA Network Open</i> , 2022 , 5, e221947	10.4	1
5	Deaths in a Modern Cohort of Extremely Preterm Infants From the Preterm Erythropoietin Neuroprotection Trial.. <i>JAMA Network Open</i> , 2022 , 5, e2146404	10.4	0
4	A ferret brain slice model of oxygen and glucose deprivation captures regional responses to perinatal injury and treatment associated with specific microglial phenotypes. <i>Bioengineering and Translational Medicine</i> , e10265	14.8	0
3	Cover Image, Volume 9, Issue 2. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1463	9.2	
2	PATHOLOGICAL EVALUATION OF NEONATAL FERRET MODELS OF INFLAMMATION-SENSITIZED HYPOXIA-ISCHEMIA. <i>FASEB Journal</i> , 2019 , 33, 662.11	0.9	
1	What the obesity epidemic does not need: A cancel culture. <i>Lifestyle Medicine</i> , 2021 , 2, e27	0.7	