Raul Chavez Chavez-Valdez

List of Publications by Year
in descending order

41 papers	1,825 citations	394421 19 h-index	289244 40 g-index
42 all docs	42 docs citations	42 times ranked	2248 citing authors

#	Article	IF	Citations
1	Basal forebrain magnocellular cholinergic systems are damaged in mice following neonatal hypoxiaâ€ischemia. Journal of Comparative Neurology, 2022, 530, 1148-1163.	1.6	4
2	Intrauterine Growth Restriction Disrupts the Postnatal Critical Period of Synaptic Plasticity in the Mouse Dorsal Hippocampus in a Model of Hypertensive Disease of Pregnancy. Developmental Neuroscience, 2022, 44, 214-232.	2.0	7
3	Perinatal Inflammatory Biomarkers and Respiratory Disease in PretermÂInfants. Journal of Pediatrics, 2022, 246, 34-39.e3.	1.8	9
4	Later cooling within 6â€‰h and temperatures outside 33â€“34â€‰Â°C are not associated with dysfunctional autoregulation during hypothermia for neonatal encephalopathy. Pediatric Research, 2021, 89, 223-230.	2.3	6
5	Accumulation of PSA-NCAM marks nascent neurodegeneration in the dorsal hippocampus after neonatal hypoxic-ischemic brain injury in mice. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1039-1057.	4.3	16
6	Sex specific correlation between GABAergic disruption in the dorsal hippocampus and flurothyl seizure susceptibility after neonatal hypoxic-ischemic brain injury. Neurobiology of Disease, 2021, 148, 105222.	4.4	7
7	Wavelet Autoregulation Monitoring Identifies Blood Pressures Associated With Brain Injury in Neonatal Hypoxic-Ischemic Encephalopathy. Frontiers in Neurology, 2021, 12, 662839.	2.4	4
8	Intrauterine Growth Restriction Causes Abnormal Embryonic Dentate Gyrus Neurogenesis in Mouse Offspring That Leads to Adult Learning and Memory Deficits. ENeuro, 2021, 8, ENEURO.0062-21.2021.	1.9	13
9	Clonidine for sedation in infants during therapeutic hypothermia with neonatal encephalopathy: pilot study. Journal of Perinatology, 2021, , .	2.0	3
10	Therapeutic Hypothermia Modulates the Relationships Between Indicators of Severity of Neonatal Hypoxic Ischemic Encephalopathy and Serum Biomarkers. Frontiers in Neurology, 2021, 12, 748150.	2.4	10
11	Serum brain injury biomarkers are gestationally and post-natally regulated in non-brain injured neonates. Pediatric Research, 2021, , .	2.3	1
12	Head Ultrasound Resistive Indices Are Associated With Brain Injury on Diffusion Tensor Imaging Magnetic Resonance Imaging in Neonates With Hypoxic-Ischemic Encephalopathy. Journal of Computer Assisted Tomography, 2020, 44, 687-691.	0.9	10
13	Repurposing azithromycin for neuroprotection in neonates. Pediatric Research, 2019, 86, 423-424.	2.3	1
14	Evidence for Sexual Dimorphism in the Response to TLR3 Activation in the Developing Neonatal Mouse Brain: A Pilot Study. Frontiers in Physiology, 2019, 10, 306.	2.8	17
15	An Inhibitor of the Mitochondrial Permeability Transition Pore Lacks Therapeutic Efficacy Following Neonatal Hypoxia Ischemia in Mice. Neuroscience, 2019, 406, 202-211.	2.3	8
16	The Role of Diffusion Tensor Imaging in Detecting Hippocampal Injury Following Neonatal Hypoxicâ€ischemic Encephalopathy. Journal of Neuroimaging, 2019, 29, 252-259.	2.0	15
17	Cerebral Autoregulation and Conventional and Diffusion Tensor Imaging Magnetic Resonance Imaging in Neonatal Hypoxic-Ischemic Encephalopathy. Pediatric Neurology, 2018, 82, 36-43.	2.1	26
18	Seizure Susceptibility Correlates with Brain Injury in Male Mice Treated with Hypothermia after Neonatal Hypoxia-Ischemia. Developmental Neuroscience, 2018, 40, 576-585.	2.0	10

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19	Calbindin-1 Expression in the Hippocampus following Neonatal Hypoxia-Ischemia and Therapeutic Hypothermia and Deficits in Spatial Memory. Developmental Neuroscience, 2018, 40, 508-522.	2.0	18
20	Delayed injury of hippocampal interneurons after neonatal hypoxiaâ€ischemia and therapeutic hypothermia in a murine model. Hippocampus, 2018, 28, 617-630.	1.9	37
21	Sex-specific associations between cerebrovascular blood pressure autoregulation and cardiopulmonary injury in neonatal encephalopathy and therapeutic hypothermia. Pediatric Research, 2017, 81, 759-766.	2.3	14
22	Optimizing Cerebral Autoregulation May Decrease Neonatal Regional Hypoxic-Ischemic Brain Injury. Developmental Neuroscience, 2017, 39, 248-256.	2.0	59
23	Therapeutic Hypothermia Provides Variable Protection against Behavioral Deficits after Neonatal Hypoxia-Ischemia: A Potential Role for Brain-Derived Neurotrophic Factor. Developmental Neuroscience, 2017, 39, 257-272.	2.0	42
24	Lipopolysaccharide exposure during the early postnatal period adversely affects the structure and function of the developing rat carotid body. Journal of Applied Physiology, 2016, 121, 816-827.	2.5	16
25	Endoplasmic reticulum pathology and stress response in neurons precede programmed necrosis after neonatal hypoxiaâ€ischemia. International Journal of Developmental Neuroscience, 2016, 48, 58-70.	1.6	58
26	Mechanisms of modulation of cytokine release by human cord blood monocytes exposed to high concentrations of caffeine. Pediatric Research, 2016, 80, 101-109.	2.3	21
27	A pilot cohort study of cerebral autoregulation and 2-year neurodevelopmental outcomes in neonates with hypoxic-ischemic encephalopathy who received therapeutic hypothermia. BMC Neurology, 2015, 15, 209.	1.8	67
28	Hypoxia-Ischemia and Therapeutic Hypothermia in the Neonatal Mouse Brain â€“ A Longitudinal Study. PLoS ONE, 2015, 10, e0118889.	2.5	57
29	Sexual dimorphism in BDNF signaling after neonatal hypoxiaâ€“ischemia and treatment with necrostatin-1. Neuroscience, 2014, 260, 106-119.	2.3	44
30	Perinatal hyperoxic exposure reconfigures the central respiratory network contributing to intolerance to anoxia in newborn rat pups. Journal of Applied Physiology, 2014, 116, 47-53.	2.5	13
31	Inflammation in the carotid body during development and its contribution to apnea of prematurity. Respiratory Physiology and Neurobiology, 2013, 185, 120-131.	1.6	47
32	Effect of development on [Ca²⁺]_i transients to ATP in petrosal ganglion neurons: a pharmacological approach using optical recording. Journal of Applied Physiology, 2012, 112, 1393-1402.	2.5	15
33	Programmed Necrosis: A Prominent Mechanism of Cell Death following Neonatal Brain Injury. Neurology Research International, 2012, 2012, 1-12.	1.3	54
34	Effect of hyperoxic exposure during early development on neurotrophin expression in the carotid body and nucleus tractus solitarii. Journal of Applied Physiology, 2012, 112, 1762-1772.	2.5	24
35	Necrostatin Decreases Oxidative Damage, Inflammation, and Injury after Neonatal HI. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 178-189.	4.3	189
36	Neuronal cell death in neonatal hypoxiaâ€ischemia. Annals of Neurology, 2011, 69, 743-758.	5.3	325

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37	Successful Implementation of a Perioperative Glycemic Control Protocol in Cardiac Surgery: Barrier Analysis and Intervention Using Lean Six Sigma. Anesthesiology Research and Practice, 2011, 2011, 1-10.	0.7	21
38	Caffeine Modulates TNF-Î± Production by Cord Blood Monocytes: The Role of Adenosine Receptors. Pediatric Research, 2009, 65, 203-208.	2.3	78
39	Clonidine as an Adjunct Therapy to Opioids for Neonatal Abstinence Syndrome: A Randomized, Controlled Trial. Pediatrics, 2009, 123, e849-e856.	2.1	145
40	Differences in Clinical Manifestations amongCryptosporidiumSpecies and Subtypes in HIVâ€Infected Persons. Journal of Infectious Diseases, 2007, 196, 684-691.	4.0	218
41	The Epidemiology of Intestinal Microsporidiosis in Patients with HIV/AIDS in Lima, Peru. Journal of Infectious Diseases, 2005, 191, 1658-1664.	4.0	96