

Raul Chavez Chavez-Valdez

List of Publications by Year in descending order

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Version: 2024-02-01

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	Neuronal cell death in neonatal hypoxia-ischemia. <i>Annals of Neurology</i> , 2011, 69, 743-758.	5.3	325
2	Differences in Clinical Manifestations among <i>Cryptosporidium</i> Species and Subtypes in HIV-Infected Persons. <i>Journal of Infectious Diseases</i> , 2007, 196, 684-691.	4.0	218
3	Necrostatin Decreases Oxidative Damage, Inflammation, and Injury after Neonatal HI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 178-189.	4.3	189
4	Clonidine as an Adjunct Therapy to Opioids for Neonatal Abstinence Syndrome: A Randomized, Controlled Trial. <i>Pediatrics</i> , 2009, 123, e849-e856.	2.1	145
5	The Epidemiology of Intestinal Microsporidiosis in Patients with HIV/AIDS in Lima, Peru. <i>Journal of Infectious Diseases</i> , 2005, 191, 1658-1664.	4.0	96
6	Caffeine Modulates TNF- α Production by Cord Blood Monocytes: The Role of Adenosine Receptors. <i>Pediatric Research</i> , 2009, 65, 203-208.	2.3	78
7	A pilot cohort study of cerebral autoregulation and 2-year neurodevelopmental outcomes in neonates with hypoxic-ischemic encephalopathy who received therapeutic hypothermia. <i>BMC Neurology</i> , 2015, 15, 209.	1.8	67
8	Optimizing Cerebral Autoregulation May Decrease Neonatal Regional Hypoxic-Ischemic Brain Injury. <i>Developmental Neuroscience</i> , 2017, 39, 248-256.	2.0	59
9	Endoplasmic reticulum pathology and stress response in neurons precede programmed necrosis after neonatal hypoxia-ischemia. <i>International Journal of Developmental Neuroscience</i> , 2016, 48, 58-70.	1.6	58
10	Hypoxia-Ischemia and Therapeutic Hypothermia in the Neonatal Mouse Brain – A Longitudinal Study. <i>PLoS ONE</i> , 2015, 10, e0118889.	2.5	57
11	Programmed Necrosis: A Prominent Mechanism of Cell Death following Neonatal Brain Injury. <i>Neurology Research International</i> , 2012, 2012, 1-12.	1.3	54
12	Inflammation in the carotid body during development and its contribution to apnea of prematurity. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 120-131.	1.6	47
13	Sexual dimorphism in BDNF signaling after neonatal hypoxia-ischemia and treatment with necrostatin-1. <i>Neuroscience</i> , 2014, 260, 106-119.	2.3	44
14	Therapeutic Hypothermia Provides Variable Protection against Behavioral Deficits after Neonatal Hypoxia-Ischemia: A Potential Role for Brain-Derived Neurotrophic Factor. <i>Developmental Neuroscience</i> , 2017, 39, 257-272.	2.0	42
15	Delayed injury of hippocampal interneurons after neonatal hypoxia-ischemia and therapeutic hypothermia in a murine model. <i>Hippocampus</i> , 2018, 28, 617-630.	1.9	37
16	Cerebral Autoregulation and Conventional and Diffusion Tensor Imaging Magnetic Resonance Imaging in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Pediatric Neurology</i> , 2018, 82, 36-43.	2.1	26
17	Effect of hyperoxic exposure during early development on neurotrophin expression in the carotid body and nucleus tractus solitarii. <i>Journal of Applied Physiology</i> , 2012, 112, 1762-1772.	2.5	24
18	Successful Implementation of a Perioperative Glycemic Control Protocol in Cardiac Surgery: Barrier Analysis and Intervention Using Lean Six Sigma. <i>Anesthesiology Research and Practice</i> , 2011, 2011, 1-10.	0.7	21

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19	Mechanisms of modulation of cytokine release by human cord blood monocytes exposed to high concentrations of caffeine. <i>Pediatric Research</i> , 2016, 80, 101-109.	2.3	21
20	Calbindin-1 Expression in the Hippocampus following Neonatal Hypoxia-Ischemia and Therapeutic Hypothermia and Deficits in Spatial Memory. <i>Developmental Neuroscience</i> , 2018, 40, 508-522.	2.0	18
21	Evidence for Sexual Dimorphism in the Response to TLR3 Activation in the Developing Neonatal Mouse Brain: A Pilot Study. <i>Frontiers in Physiology</i> , 2019, 10, 306.	2.8	17
22	Lipopolysaccharide exposure during the early postnatal period adversely affects the structure and function of the developing rat carotid body. <i>Journal of Applied Physiology</i> , 2016, 121, 816-827.	2.5	16
23	Accumulation of PSA-NCAM marks nascent neurodegeneration in the dorsal hippocampus after neonatal hypoxic-ischemic brain injury in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1039-1057.	4.3	16
24	Effect of development on $[Ca^{2+}]_i$ transients to ATP in petrosal ganglion neurons: a pharmacological approach using optical recording. <i>Journal of Applied Physiology</i> , 2012, 112, 1393-1402.	2.5	15
25	The Role of Diffusion Tensor Imaging in Detecting Hippocampal Injury Following Neonatal Hypoxic-Ischemic Encephalopathy. <i>Journal of Neuroimaging</i> , 2019, 29, 252-259.	2.0	15
26	Sex-specific associations between cerebrovascular blood pressure autoregulation and cardiopulmonary injury in neonatal encephalopathy and therapeutic hypothermia. <i>Pediatric Research</i> , 2017, 81, 759-766.	2.3	14
27	Perinatal hyperoxic exposure reconfigures the central respiratory network contributing to intolerance to anoxia in newborn rat pups. <i>Journal of Applied Physiology</i> , 2014, 116, 47-53.	2.5	13
28	Intrauterine Growth Restriction Causes Abnormal Embryonic Dentate Gyrus Neurogenesis in Mouse Offspring That Leads to Adult Learning and Memory Deficits. <i>ENeuro</i> , 2021, 8, ENEURO.0062-21.2021.	1.9	13
29	Seizure Susceptibility Correlates with Brain Injury in Male Mice Treated with Hypothermia after Neonatal Hypoxia-Ischemia. <i>Developmental Neuroscience</i> , 2018, 40, 576-585.	2.0	10
30	Head Ultrasound Resistive Indices Are Associated With Brain Injury on Diffusion Tensor Imaging Magnetic Resonance Imaging in Neonates With Hypoxic-Ischemic Encephalopathy. <i>Journal of Computer Assisted Tomography</i> , 2020, 44, 687-691.	0.9	10
31	Therapeutic Hypothermia Modulates the Relationships Between Indicators of Severity of Neonatal Hypoxic Ischemic Encephalopathy and Serum Biomarkers. <i>Frontiers in Neurology</i> , 2021, 12, 748150.	2.4	10
32	Perinatal Inflammatory Biomarkers and Respiratory Disease in Preterm Infants. <i>Journal of Pediatrics</i> , 2022, 246, 34-39.e3.	1.8	9
33	An Inhibitor of the Mitochondrial Permeability Transition Pore Lacks Therapeutic Efficacy Following Neonatal Hypoxia Ischemia in Mice. <i>Neuroscience</i> , 2019, 406, 202-211.	2.3	8
34	Sex specific correlation between GABAergic disruption in the dorsal hippocampus and flurothyl seizure susceptibility after neonatal hypoxic-ischemic brain injury. <i>Neurobiology of Disease</i> , 2021, 148, 105222.	4.4	7
35	Intrauterine Growth Restriction Disrupts the Postnatal Critical Period of Synaptic Plasticity in the Mouse Dorsal Hippocampus in a Model of Hypertensive Disease of Pregnancy. <i>Developmental Neuroscience</i> , 2022, 44, 214-232.	2.0	7
36	Later cooling within 6h and temperatures outside 33-34°C are not associated with dysfunctional autoregulation during hypothermia for neonatal encephalopathy. <i>Pediatric Research</i> , 2021, 89, 223-230.	2.3	6

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37	Wavelet Autoregulation Monitoring Identifies Blood Pressures Associated With Brain Injury in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Frontiers in Neurology</i> , 2021, 12, 662839.	2.4	4
38	Basal forebrain magnocellular cholinergic systems are damaged in mice following neonatal hypoxia-ischemia. <i>Journal of Comparative Neurology</i> , 2022, 530, 1148-1163.	1.6	4
39	Clonidine for sedation in infants during therapeutic hypothermia with neonatal encephalopathy: pilot study. <i>Journal of Perinatology</i> , 2021, , .	2.0	3
40	Repurposing azithromycin for neuroprotection in neonates. <i>Pediatric Research</i> , 2019, 86, 423-424.	2.3	1
41	Serum brain injury biomarkers are gestationally and post-natally regulated in non-brain injured neonates. <i>Pediatric Research</i> , 2021, , .	2.3	1