

Aradhna Baburamani

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,167
citations

430442

18
h-index

395343

33
g-index

36
all docs

36
docs citations

36
times ranked

1865
citing authors

#	ARTICLE	IF	CITATIONS
1	Vulnerability of the developing brain to hypoxic-ischemic damage: contribution of the cerebral vasculature to injury and repair?. <i>Frontiers in Physiology</i> , 2012, 3, 424.	1.3	111
2	Initiation of Resuscitation with High Tidal Volumes Causes Cerebral Hemodynamic Disturbance, Brain Inflammation and Injury in Preterm Lambs. <i>PLoS ONE</i> , 2012, 7, e39535.	1.1	107
3	Brain Barrier Properties and Cerebral Blood Flow in Neonatal Mice Exposed to Cerebral Hypoxia-Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 818-827.	2.4	104
4	Molecular Mechanisms of Neonatal Brain Injury. <i>Neurology Research International</i> , 2012, 2012, 1-16.	0.5	102
5	Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Signaling and Cell Death in the Immature Central Nervous System after Hypoxia-Ischemia and Inflammation. <i>Journal of Biological Chemistry</i> , 2014, 289, 9430-9439.	1.6	82
6	Interneuron Development Is Disrupted in Preterm Brains With Diffuse White Matter Injury: Observations in Mouse and Human. <i>Frontiers in Physiology</i> , 2019, 10, 955.	1.3	55
7	Microglia toxicity in preterm brain injury. <i>Reproductive Toxicology</i> , 2014, 48, 106-112.	1.3	53
8	Oxidative stress and endoplasmic reticulum (ER) stress in the development of neonatal hypoxic-ischaemic brain injury. <i>Biochemical Society Transactions</i> , 2017, 45, 1067-1076.	1.6	51
9	Mitochondrial Optic Atrophy (OPA) 1 Processing Is Altered in Response to Neonatal Hypoxic-Ischemic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22509-22526.	1.8	47
10	Î³ T Cells Contribute to Injury in the Developing Brain. <i>American Journal of Pathology</i> , 2018, 188, 757-767.	1.9	44
11	Early alterations in cortical and cerebellar regional brain growth in Down Syndrome: An in vivo fetal and neonatal MRI assessment. <i>NeuroImage: Clinical</i> , 2020, 25, 102139.	1.4	41
12	Inflammation in utero exacerbates ventilation-induced brain injury in preterm lambs. <i>Journal of Applied Physiology</i> , 2012, 112, 481-489.	1.2	39
13	Experimental Modelling of the Consequences of Brief Late Gestation Asphyxia on Newborn Lamb Behaviour and Brain Structure. <i>PLoS ONE</i> , 2013, 8, e77377.	1.1	38
14	New approaches to studying early brain development in Down syndrome. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 867-879.	1.1	35
15	VEGF expression and microvascular responses to severe transient hypoxia in the fetal sheep brain. <i>Pediatric Research</i> , 2013, 73, 310-316.	1.1	34
16	Mitochondria and perinatal brain injury. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 35-38.	0.7	33
17	Melatonin reduces excitotoxic blood-brain barrier breakdown in neonatal rats. <i>Neuroscience</i> , 2015, 311, 382-397.	1.1	32
18	Myelination induction by a histamine H3 receptor antagonist in a mouse model of preterm white matter injury. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 265-276.	2.0	25

#	ARTICLE	IF	CITATIONS
19	Controlled saturation magnetization transfer for reproducible multivendor variable flip angle $T_{1\rho}$ and $T_{2\rho}$ mapping. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 221-236.	1.9	20
20	Changes in cerebral blood flow, cerebral metabolites, and breathing movements in the sheep fetus following asphyxia produced by occlusion of the umbilical cord. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R60-R69.	0.9	19
21	Assessment of radial glia in the frontal lobe of fetuses with Down syndrome. <i>Acta Neuropathologica Communications</i> , 2020, 8, 141.	2.4	17
22	Dysmaturation of Somatostatin Interneurons Following Umbilical Cord Occlusion in Preterm Fetal Sheep. <i>Frontiers in Physiology</i> , 2019, 10, 563.	1.3	15
23	Morphological evaluation of the cerebral blood vessels in the late gestation fetal sheep following hypoxia in utero. <i>Microvascular Research</i> , 2013, 85, 1-9.	1.1	12
24	A community-led initiative for training in reproducible research. <i>ELife</i> , 2021, 10, .	2.8	10
25	Neurometabolite mapping highlights elevated myo-inositol profiles within the developing brain in down syndrome. <i>Neurobiology of Disease</i> , 2021, 153, 105316.	2.1	8
26	Does Caspase-6 Have a Role in Perinatal Brain Injury?. <i>Developmental Neuroscience</i> , 2015, 37, 321-337.	1.0	6
27	Brief hypoxia in late gestation sheep causes prolonged disruption of fetal electrographic, breathing behaviours and can result in early labour. <i>Journal of Physiology</i> , 2021, 599, 3221-3236.	1.3	5
28	Effect of Trp53 gene deficiency on brain injury after neonatal hypoxia-ischemia. <i>Oncotarget</i> , 2017, 8, 12081-12092.	0.8	5
29	White matter injury but not germinal matrix hemorrhage induces elevated osteopontin expression in human preterm brains. <i>Acta Neuropathologica Communications</i> , 2021, 9, 166.	2.4	5
30	Parallel transmit pulse design for saturation homogeneity (PUSH) for magnetization transfer imaging at $7T$. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 180-194.	1.9	5
31	TWEAK Receptor Deficiency Has Opposite Effects on Female and Male Mice Subjected to Neonatal Hypoxia-Ischemia. <i>Frontiers in Neurology</i> , 2018, 9, 230.	1.1	3
32	Complementing cooling: the ongoing search for an effective adjunct to therapeutic hypothermia. <i>Journal of Physiology</i> , 2020, 598, 905-906.	1.3	2