

Praveen Ballabh

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.

52
papers

4,146
citations

25
h-index

55
g-index

55
ext. papers

4,771
ext. citations

5.9
avg, IF

5.74
L-index

#	Paper	IF	Citations
52	The blood-brain barrier: an overview: structure, regulation, and clinical implications. <i>Neurobiology of Disease</i> , 2004 , 16, 1-13	7.5	1525
51	Intraventricular hemorrhage in premature infants: mechanism of disease. <i>Pediatric Research</i> , 2010 , 67, 1-8	3.2	446
50	Arrested preoligodendrocyte maturation contributes to myelination failure in premature infants. <i>Annals of Neurology</i> , 2012 , 71, 93-109	9.4	296
49	Pathogenesis and prevention of intraventricular hemorrhage. <i>Clinics in Perinatology</i> , 2014 , 41, 47-67	2.8	151
48	Neurogenesis continues in the third trimester of pregnancy and is suppressed by premature birth. <i>Journal of Neuroscience</i> , 2013 , 33, 411-23	6.6	130
47	Angiogenic inhibition reduces germinal matrix hemorrhage. <i>Nature Medicine</i> , 2007 , 13, 477-85	50.5	114
46	Paucity of pericytes in germinal matrix vasculature of premature infants. <i>Journal of Neuroscience</i> , 2007 , 27, 12012-24	6.6	110
45	Nicotinamide mononucleotide (NMN) supplementation rescues cerebrovascular endothelial function and neurovascular coupling responses and improves cognitive function in aged mice. <i>Redox Biology</i> , 2019 , 24, 101192	11.3	108
44	Anatomic analysis of blood vessels in germinal matrix, cerebral cortex, and white matter in developing infants. <i>Pediatric Research</i> , 2004 , 56, 117-24	3.2	107
43	Consequences of intraventricular hemorrhage in a rabbit pup model. <i>Stroke</i> , 2009 , 40, 3369-77	6.7	86
42	Characterization of acute brain injuries and neurobehavioral profiles in a rabbit model of germinal matrix hemorrhage. <i>Stroke</i> , 2008 , 39, 3378-88	6.7	79
41	Astrocyte end-feet in germinal matrix, cerebral cortex, and white matter in developing infants. <i>Pediatric Research</i> , 2006 , 59, 673-9	3.2	79
40	Pharmacokinetics of betamethasone in twin and singleton pregnancy. <i>Clinical Pharmacology and Therapeutics</i> , 2002 , 71, 39-45	6.1	71
39	Bone morphogenetic protein inhibition promotes neurological recovery after intraventricular hemorrhage. <i>Journal of Neuroscience</i> , 2011 , 31, 12068-82	6.6	61
38	Development of tight junction molecules in blood vessels of germinal matrix, cerebral cortex, and white matter. <i>Pediatric Research</i> , 2005 , 58, 791-8	3.2	61
37	Effect of prenatal glucocorticoids on cerebral vasculature of the developing brain. <i>Stroke</i> , 2010 , 41, 1766-73	6.73	56
36	Purinergic glio-endothelial coupling during neuronal activity: role of P2Y1 receptors and eNOS in functional hyperemia in the mouse somatosensory cortex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H1837-45	5.2	54

35	Treatment with thyroxine restores myelination and clinical recovery after intraventricular hemorrhage. <i>Journal of Neuroscience</i> , 2013 , 33, 17232-46	6.6	54
34	Circulating IGF-1 deficiency exacerbates hypertension-induced microvascular rarefaction in the mouse hippocampus and retrosplenial cortex: implications for cerebrovascular and brain aging. <i>Age</i> , 2016 , 38, 273-289		53
33	Extended Production of Cortical Interneurons into the Third Trimester of Human Gestation. <i>Cerebral Cortex</i> , 2016 , 26, 2242-2256	5.1	50
32	Obesity in Aging Exacerbates Neuroinflammation, Dysregulating Synaptic Function-Related Genes and Altering Eicosanoid Synthesis in the Mouse Hippocampus: Potential Role in Impaired Synaptic Plasticity and Cognitive Decline. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 290-298	6.4	48
31	Neuroprotection in a rabbit model of intraventricular haemorrhage by cyclooxygenase-2, prostanoid receptor-1 or tumour necrosis factor-alpha inhibition. <i>Brain</i> , 2010 , 133, 2264-80	11.2	47
30	Neonatal outcome of triplet versus twin and singleton pregnancies: a matched case control study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2003 , 107, 28-36	2.4	43
29	Maturational changes in laminin, fibronectin, collagen IV, and perlecan in germinal matrix, cortex, and white matter and effect of betamethasone. <i>Journal of Neuroscience Research</i> , 2008 , 86, 1482-500	4.4	42
28	Hyaluronidase and Hyaluronan Oligosaccharides Promote Neurological Recovery after Intraventricular Hemorrhage. <i>Journal of Neuroscience</i> , 2016 , 36, 872-89	6.6	28
27	AMPA-Kainate Receptor Inhibition Promotes Neurologic Recovery in Premature Rabbits with Intraventricular Hemorrhage. <i>Journal of Neuroscience</i> , 2016 , 36, 3363-77	6.6	25
26	IGF-1 Deficiency Promotes Pathological Remodeling of Cerebral Arteries: A Potential Mechanism Contributing to the Pathogenesis of Intracerebral Hemorrhages in Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 446-454	6.4	23
25	White matter injury in infants with intraventricular haemorrhage: mechanisms and therapies. <i>Nature Reviews Neurology</i> , 2021 , 17, 199-214	15	22
24	Epidermal growth factor preserves myelin and promotes astrogliosis after intraventricular hemorrhage. <i>Glia</i> , 2016 , 64, 1987-2004	9	21
23	Estrogen Treatment Reverses Prematurity-Induced Disruption in Cortical Interneuron Population. <i>Journal of Neuroscience</i> , 2018 , 38, 7378-7391	6.6	20
22	Oxidative-nitrosative stress in a rabbit pup model of germinal matrix hemorrhage: role of NAD(P)H oxidase. <i>Stroke</i> , 2009 , 40, 2191-8	6.7	20
21	Disruption of Interneuron Neurogenesis in Premature Newborns and Reversal with Estrogen Treatment. <i>Journal of Neuroscience</i> , 2018 , 38, 1100-1113	6.6	18
20	Lymphocyte subpopulations in bronchopulmonary dysplasia. <i>American Journal of Perinatology</i> , 2003 , 20, 465-75	3.3	16
19	Glycogen synthase kinase-3 inhibition enhances myelination in preterm newborns with intraventricular hemorrhage, but not recombinant Wnt3A. <i>Neurobiology of Disease</i> , 2018 , 118, 22-39	7.5	14
18	Intraventricular hemorrhage induces deposition of proteoglycans in premature rabbits, but their in vivo degradation with chondroitinase does not restore myelination, ventricle size and neurological recovery. <i>Experimental Neurology</i> , 2013 , 247, 630-44	5.7	14

17	Postnatal glucocorticoid-induced hypomyelination, gliosis, and neurologic deficits are dose-dependent, preparation-specific, and reversible. <i>Experimental Neurology</i> , 2015 , 263, 200-13	5.7	12
16	Respiratory burst activity in bronchopulmonary dysplasia and changes with dexamethasone. <i>Pediatric Pulmonology</i> , 2003 , 35, 392-9	3.5	9
15	Development of integrins in the vasculature of germinal matrix, cerebral cortex, and white matter of fetuses and premature infants. <i>Journal of Neuroscience Research</i> , 2010 , 88, 1193-204	4.4	8
14	Strategies for working with a preterm rabbit model of glycerol-induced intraventricular hemorrhage: strengths and limitations. <i>Pediatric Research</i> , 2014 , 76, 495-6	3.2	7
13	GSK3 β Inhibition Restores Impaired Neurogenesis in Preterm Neonates With Intraventricular Hemorrhage. <i>Cerebral Cortex</i> , 2019 , 29, 3482-3495	5.1	6
12	PPAR- γ activation enhances myelination and neurological recovery in premature rabbits with intraventricular hemorrhage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
11	Reduced Hippocampal Dendrite Branching, Spine Density and Neurocognitive Function in Premature Rabbits, and Reversal with Estrogen or TrkB Agonist Treatment. <i>Cerebral Cortex</i> , 2019 , 29, 4932-4947	5.1	3
10	Novel organotypic in vitro slice culture model for intraventricular hemorrhage of premature infants. <i>Journal of Neuroscience Research</i> , 2012 , 90, 2173-82	4.4	2
9	IGF-1 deficiency promotes pathological remodeling of cerebral arteries: a potential mechanism contributing to the pathogenesis of intracerebral hemorrhages in aging. <i>FASEB Journal</i> , 2018 , 32, 711.8	0.9	1
8	Recovery of the brain after intraventricular hemorrhage. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021 , 101224	3.7	1
7	NMN Rescues Endothelial Function and Neurovascular Coupling, Improving Cognitive Function in Aged Mice. <i>Innovation in Aging</i> , 2020 , 4, 121-121	0.1	0
6	Cerebral gray matter injuries in infants with intraventricular hemorrhage.. <i>Seminars in Perinatology</i> , 2022 , 151595	3.3	0
5	Free radical generation in germinal matrix hemorrhage. <i>FASEB Journal</i> , 2008 , 22, 732.10	0.9	
4	Vascular O ₂ ⁻ and H ₂ O ₂ production and oxidative stress resistance in two closely related rodent species with disparate longevity. <i>FASEB Journal</i> , 2008 , 22, 747.3	0.9	
3	Preterm Rabbit Model of Glycerol-Induced Intraventricular Hemorrhage. <i>NeuroMethods</i> , 2015 , 45-54	0.4	
2	Resveratrol Treatment Rescues Neurovascular Coupling in Aged Mice: Role of Improved Cerebrovascular Endothelial Function and Down-Regulation of NADPH Oxidase. <i>FASEB Journal</i> , 2015 , 29, 787.6	0.9	
1	Oligodendrocyte Progenitors and Brain Remodeling Following Blood-Brain Barrier Rupture. <i>Pancreatic Islet Biology</i> , 2014 , 159-175	0.4	