Praveen Ballabh

List of Publications by Year in Descending Order

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	Cerebral gray matter injuries in infants with intraventricular hemorrhage.. *Seminars in Perinatology*, **2022**, 151595	3.3	0
51	White matter injury in infants with intraventricular haemorrhage: mechanisms and therapies. *Nature Reviews Neurology*, **2021**, 17, 199-214	15	22
50	Recovery of the brain after intraventricular hemorrhage. *Seminars in Fetal and Neonatal Medicine*, **2021**, 101224	3.7	1
49	PPAR-□activation enhances myelination and neurological recovery in premature rabbits with intraventricular hemorrhage. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
48	NMN Rescues Endothelial Function and Neurovascular Coupling, Improving Cognitive Function in Aged Mice. *Innovation in Aging*, **2020**, 4, 121-121	0.1	0
47	Reduced Hippocampal Dendrite Branching, Spine Density and Neurocognitive Function in Premature Rabbits, and Reversal with Estrogen or TrkB Agonist Treatment. *Cerebral Cortex*, **2019**, 29, 4932-4947	5.1	3
46	Nicotinamide mononucleotide (NMN) supplementation rescues cerebromicrovascular endothelial function and neurovascular coupling responses and improves cognitive function in aged mice. *Redox Biology*, **2019**, 24, 101192	11.3	108
45	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. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 290-298	6.4	48
44	IGF-1 Deficiency Promotes Pathological Remodeling of Cerebral Arteries: A Potential Mechanism Contributing to the Pathogenesis of Intracerebral Hemorrhages in Aging. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 446-454	6.4	23
43	GSK3□Inhibition Restores Impaired Neurogenesis in Preterm Neonates With Intraventricular Hemorrhage. *Cerebral Cortex*, **2019**, 29, 3482-3495	5.1	6
42	Disruption of Interneuron Neurogenesis in Premature Newborns and Reversal with Estrogen Treatment. *Journal of Neuroscience*, **2018**, 38, 1100-1113	6.6	18
41	Glycogen synthase kinase-3□Inhibition enhances myelination in preterm newborns with intraventricular hemorrhage, but not recombinant Wnt3A. *Neurobiology of Disease*, **2018**, 118, 22-39	7.5	14
40	Estrogen Treatment Reverses Prematurity-Induced Disruption in Cortical Interneuron Population. *Journal of Neuroscience*, **2018**, 38, 7378-7391	6.6	20
39	IGF-1 deficiency promotes pathological remodeling of cerebral arteries: a potential mechanism contributing to the pathogenesis of intracerebral hemorrhages in aging. *FASEB Journal*, **2018**, 32, 711.8	0.9	1
38	Extended Production of Cortical Interneurons into the Third Trimester of Human Gestation. *Cerebral Cortex*, **2016**, 26, 2242-2256	5.1	50
37	Hyaluronidase and Hyaluronan Oligosaccharides Promote Neurological Recovery after Intraventricular Hemorrhage. *Journal of Neuroscience*, **2016**, 36, 872-89	6.6	28
36	AMPA-Kainate Receptor Inhibition Promotes Neurologic Recovery in Premature Rabbits with Intraventricular Hemorrhage. *Journal of Neuroscience*, **2016**, 36, 3363-77	6.6	25

35	Circulating IGF-1 deficiency exacerbates hypertension-induced microvascular rarefaction in the mouse hippocampus and retrosplenial cortex: implications for cerebromicrovascular and brain aging. *Age*, **2016**, 38, 273-289		53
34	Epidermal growth factor preserves myelin and promotes astrogliosis after intraventricular hemorrhage. *Glia*, **2016**, 64, 1987-2004	9	21
33	Postnatal glucocorticoid-induced hypomyelination, gliosis, and neurologic deficits are dose-dependent, preparation-specific, and reversible. *Experimental Neurology*, **2015**, 263, 200-13	5.7	12
32	Purinergic glio-endothelial coupling during neuronal activity: role of P2Y1 receptors and eNOS in functional hyperemia in the mouse somatosensory cortex. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H1837-45	5.2	54
31	Preterm Rabbit Model of Glycerol-Induced Intraventricular Hemorrhage. *Neuromethods*, **2015**, 45-54	0.4	
30	Resveratrol Treatment Rescues Neurovascular Coupling in Aged Mice: Role of Improved Cerebromicrovascular Endothelial Function and Down-Regulation of NADPH Oxidase. *FASEB Journal*, **2015**, 29, 787.6	0.9	
29	Pathogenesis and prevention of intraventricular hemorrhage. *Clinics in Perinatology*, **2014**, 41, 47-67	2.8	151
28	Strategies for working with a preterm rabbit model of glycerol-induced intraventricular hemorrhage: strengths and limitations. *Pediatric Research*, **2014**, 76, 495-6	3.2	7
27	Oligodendrocyte Progenitors and Brain Remodeling Following Blood–Brain Barrier Rupture. *Pancreatic Islet Biology*, **2014**, 159-175	0.4	
26	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. *Experimental Neurology*, **2013**, 247, 630-44	5.7	14
25	Neurogenesis continues in the third trimester of pregnancy and is suppressed by premature birth. *Journal of Neuroscience*, **2013**, 33, 411-23	6.6	130
24	Treatment with thyroxine restores myelination and clinical recovery after intraventricular hemorrhage. *Journal of Neuroscience*, **2013**, 33, 17232-46	6.6	54
23	Arrested preoligodendrocyte maturation contributes to myelination failure in premature infants. *Annals of Neurology*, **2012**, 71, 93-109	9.4	296
22	Novel organotypic in vitro slice culture model for intraventricular hemorrhage of premature infants. *Journal of Neuroscience Research*, **2012**, 90, 2173-82	4.4	2
21	Bone morphogenetic protein inhibition promotes neurological recovery after intraventricular hemorrhage. *Journal of Neuroscience*, **2011**, 31, 12068-82	6.6	61
20	Neuroprotection in a rabbit model of intraventricular haemorrhage by cyclooxygenase-2, prostanoid receptor-1 or tumour necrosis factor-alpha inhibition. *Brain*, **2010**, 133, 2264-80	11.2	47
19	Intraventricular hemorrhage in premature infants: mechanism of disease. *Pediatric Research*, **2010**, 67, 1-8	3.2	446
18	Development of integrins in the vasculature of germinal matrix, cerebral cortex, and white matter of fetuses and premature infants. *Journal of Neuroscience Research*, **2010**, 88, 1193-204	4.4	8

17	Effect of prenatal glucocorticoids on cerebral vasculature of the developing brain. *Stroke*, **2010**, 41, 1766-73	6.7	56
16	Oxidative-nitrosative stress in a rabbit pup model of germinal matrix hemorrhage: role of NAD(P)H oxidase. *Stroke*, **2009**, 40, 2191-8	6.7	20
15	Consequences of intraventricular hemorrhage in a rabbit pup model. *Stroke*, **2009**, 40, 3369-77	6.7	86
14	Characterization of acute brain injuries and neurobehavioral profiles in a rabbit model of germinal matrix hemorrhage. *Stroke*, **2008**, 39, 3378-88	6.7	79
13	Maturational changes in laminin, fibronectin, collagen IV, and perlecan in germinal matrix, cortex, and white matter and effect of betamethasone. *Journal of Neuroscience Research*, **2008**, 86, 1482-500	4.4	42
12	Free radical generation in germinal matrix hemorrhage. *FASEB Journal*, **2008**, 22, 732.10	0.9	
11	Vascular O2.- and H2O2 production and oxidative stress resistance in two closely related rodent species with disparate longevity. *FASEB Journal*, **2008**, 22, 747.3	0.9	
10	Angiogenic inhibition reduces germinal matrix hemorrhage. *Nature Medicine*, **2007**, 13, 477-85	50.5	114
9	Paucity of pericytes in germinal matrix vasculature of premature infants. *Journal of Neuroscience*, **2007**, 27, 12012-24	6.6	110
8	Astrocyte end-feet in germinal matrix, cerebral cortex, and white matter in developing infants. *Pediatric Research*, **2006**, 59, 673-9	3.2	79
7	Development of tight junction molecules in blood vessels of germinal matrix, cerebral cortex, and white matter. *Pediatric Research*, **2005**, 58, 791-8	3.2	61
6	Anatomic analysis of blood vessels in germinal matrix, cerebral cortex, and white matter in developing infants. *Pediatric Research*, **2004**, 56, 117-24	3.2	107
5	The blood-brain barrier: an overview: structure, regulation, and clinical implications. *Neurobiology of Disease*, **2004**, 16, 1-13	7.5	1525
4	Lymphocyte subpopulations in bronchopulmonary dysplasia. *American Journal of Perinatology*, **2003**, 20, 465-75	3.3	16
3	Respiratory burst activity in bronchopulmonary dysplasia and changes with dexamethasone. *Pediatric Pulmonology*, **2003**, 35, 392-9	3.5	9
2	Neonatal outcome of triplet versus twin and singleton pregnancies: a matched case control study. *European Journal of Obstetrics, Gynecology and Reproductive Biology*, **2003**, 107, 28-36	2.4	43
1	Pharmacokinetics of betamethasone in twin and singleton pregnancy. *Clinical Pharmacology and Therapeutics*, **2002**, 71, 39-45	6.1	71