Pierre Gressens

List of Publications by Year
in descending order

435 papers	24,380 citations	7087 78 h-index	14197 128 g-index
483 all docs	483 docs citations	483 times ranked	24334 citing authors

#	Article	IF	Citations
1	Deletion of the hypoxia-response element in the vascular endothelial growth factor promoter causes motor neuron degeneration. Nature Genetics, 2001, 28, 131-138.	9.4	967
2	The role of inflammation in perinatal brain injury. Nature Reviews Neurology, 2015, 11, 192-208.	4.9	669
3	Role of tissue factor in embryonic blood vessel development. Nature, 1996, 383, 73-75.	13.7	646
4	Characterization of phenotype markers and neuronotoxic potential of polarised primary microglia in vitro. Brain, Behavior, and Immunity, 2013, 32, 70-85.	2.0	529
5	Inflammation during fetal and neonatal life: Implications for neurologic and neuropsychiatric disease in children and adults. Annals of Neurology, 2012, 71, 444-457.	2.8	448
6	Axl Mediates ZIKA Virus Entry in Human Glial Cells and Modulates Innate Immune Responses. Cell Reports, 2017, 18, 324-333.	2.9	361
7	Systemic inflammation disrupts the developmental program of white matter. Annals of Neurology, 2011, 70, 550-565.	2.8	337
8	Tertiary mechanisms of brain damage: a new hope for treatment of cerebral palsy?. Lancet Neurology, The, 2012, 11, 556-566.	4.9	299
9	The Yin and Yang of Microglia. Developmental Neuroscience, 2011, 33, 199-209.	1.0	272
10	Growth factor function of vasoactive intestinal peptide in whole cultured mouse embryos. Nature, 1993, 362, 155-158.	13.7	268
11	A mouse model for Zellweger syndrome. Nature Genetics, 1997, 17, 49-57.	9.4	267
12	Effect of Ibotenate on Brain Development. Journal of Neuropathology and Experimental Neurology, 1995, 54, 358-370.	0.9	246
13	Melatonin augments hypothermic neuroprotection in a perinatal asphyxia model. Brain, 2013, 136, 90-105.	3.7	222
14	Early microglial colonization of the human forebrain and possible involvement in periventricular whiteâ€matter injury of preterm infants. Journal of Anatomy, 2010, 217, 436-448.	0.9	211
15	The role of JAK-STAT signaling within the CNS. Jak-stat, 2013, 2, e22925.	2.2	207
16	Early microglial activation following neonatal excitotoxic brain damage in mice: a potential target for neuroprotection. Neuroscience, 2003, 121, 619-628.	1.1	204
17	Melatonin Reduces Inflammation and Cell Death in White Matter in the Mid-Gestation Fetal Sheep Following Umbilical Cord Occlusion. Pediatric Research, 2007, 61, 153-158.	1.1	203
18	Entry and Distribution of Microglial Cells in Human Embryonic and Fetal Cerebral Cortex. Journal of Neuropathology and Experimental Neurology, 2007, 66, 372-382.	0.9	202

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19	Proinflammatory cytokines and interleukin-9 exacerbate excitotoxic lesions of the newborn murine neopallium. Annals of Neurology, 2000, 47, 54-63.	2.8	200
20	Activation of microglial Nâ€methylâ€Dâ€aspartate receptors triggers inflammation and neuronal cell death in the developing and mature brain. Annals of Neurology, 2012, 72, 536-549.	2.8	194
21	The JAK/STAT Pathway Is Involved in Synaptic Plasticity. Neuron, 2012, 73, 374-390.	3.8	185
22	Many roads lead to primary autosomal recessive microcephaly. Progress in Neurobiology, 2010, 90, 363-383.	2.8	181
23	Melatoninergic neuroprotection of the murine periventricular white matter against neonatal excitotoxic challenge. Annals of Neurology, 2002, 51, 82-92.	2.8	174
24	Vasoactive intestinal peptide prevents excitotoxic cell death in the murine developing brain.. Journal of Clinical Investigation, 1997, 100, 390-397.	3.9	168
25	Maternal Exposure to LPS Induces Hypomyelination in the Internal Capsule and Programmed Cell Death in the Deep Gray Matter in Newborn Rats. Pediatric Research, 2006, 59, 428-433.	1.1	165
26	Mutations in the Î²-Tubulin Gene TUBB5 Cause Microcephaly with Structural Brain Abnormalities. Cell Reports, 2012, 2, 1554-1562.	2.9	162
27	Neuronal damage accompanies perinatal white-matter damage. Trends in Neurosciences, 2007, 30, 473-478.	4.2	161
28	Effects of Î±2-Adrenoceptor Agonists on Perinatal Excitotoxic Brain Injury. Anesthesiology, 2002, 96, 134-141.	1.3	158
29	Lipopolysaccharideâ€induced alteration of mitochondrial morphology induces a metabolic shift in microglia modulating the inflammatory response in vitro and in vivo. Glia, 2019, 67, 1047-1061.	2.5	155
30	PREVENTION BY MAGNESIUM OF EXOTOTOXIC NEURONAL DEATH IN THE DEVELOPING BRAIN: AN ANIMAL MODEL FOR CLINICAL INTERVENTION STUDIES. Developmental Medicine and Child Neurology, 1995, 37, 473-484.	1.1	147
31	Prenatal isolated mild ventriculomegaly: outcome in 167 cases. BJOG: an International Journal of Obstetrics and Gynaecology, 2006, 113, 1072-1079.	1.1	141
32	Distribution and differentiation of microglia in the human encephalon during the first two trimesters of gestation. Journal of Comparative Neurology, 2006, 499, 565-582.	0.9	137
33	Antenatal Sildenafil Treatment Attenuates Pulmonary Hypertension in Experimental Congenital Diaphragmatic Hernia. Circulation, 2011, 123, 2120-2131.	1.6	135
34	Intrauterine Infection Induces Programmed Cell Death in Rabbit Periventricular White Matter. Pediatric Research, 2000, 47, 736-742.	1.1	135
35	Neuroprotective Effects of Dexmedetomidine against Glutamate Agonist-induced Neuronal Cell Death Are Related to Increased Astrocyte Brain-derived Neurotrophic Factor Expression. Anesthesiology, 2013, 118, 1123-1132.	1.3	130
36	The Germinative Zone Produces the Most Cortical Astrocytes after Neuronal Migration in the Developing Mammalian Brain. Neonatology, 1992, 61, 4-24.	0.9	129

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37	Hippocampal Radial Glial Subtypes and Their Neurogenic Potential in Human Fetuses and Healthy and Alzheimerâ€™s Disease Adults. Cerebral Cortex, 2018, 28, 2458-2478.	1.6	128
38	Proinflammatory cytokines and interleukin-9 exacerbate excitotoxic lesions of the newborn murine neopallium. , 2000, 47, 54.		128
39	Depletion of Bone Marrowâ€"derived Macrophages Perturbs the Innate Immune Response to Surgery and Reduces Postoperative Memory Dysfunction. Anesthesiology, 2013, 118, 527-536.	1.3	127
40	Cytomegalovirus-Induced Brain Malformations in Fetuses. Journal of Neuropathology and Experimental Neurology, 2014, 73, 143-158.	0.9	126
41	Microglial Reaction in Axonal Crossroads Is a Hallmark of Noncystic Periventricular White Matter Injury in Very Preterm Infants. Journal of Neuropathology and Experimental Neurology, 2012, 71, 251-264.	0.9	123
42	Cocaine-induced disturbances of corticogenesis in the developing murine brain. Neuroscience Letters, 1992, 140, 113-116.	1.0	121
43	Blood-brain barrier dysfunction in disorders of the developing brain. Frontiers in Neuroscience, 2015, 9, 40.	1.4	119
44	Stem cell therapy for neonatal brain injury: Perspectives and Challenges. Annals of Neurology, 2011, 70, 698-712.	2.8	117
45	Dexmedetomidine Increases Hippocampal Phosphorylated Extracellular Signalâ€"regulated Protein Kinase 1 and 2 Content by an Î±2-Adrenoceptorâ€"independent Mechanism. Anesthesiology, 2008, 108, 457-466.	1.3	111
46	Severe microcephaly induced by blockade of vasoactive intestinal peptide function in the primitive neuroepithelium of the mouse.. Journal of Clinical Investigation, 1994, 94, 2020-2027.	3.9	111
47	Impaired oligodendrocyte maturation in preterm infants: Potential therapeutic targets. Progress in Neurobiology, 2016, 136, 28-49.	2.8	110
48	BDNF-induced White Matter Neuroprotection and Stage-dependent Neuronal Survival Following a Neonatal Excitotoxic Challenge. Cerebral Cortex, 2004, 15, 250-261.	1.6	109
49	Gestational Hypoxia Induces White Matter Damage in Neonatal Rats: A New Model of Periventricular Leukomalacia. Brain Pathology, 2004, 14, 1-10.	2.1	107
50	Melatonin modulates neonatal brain inflammation through endoplasmic reticulum stress, autophagy, and mi<scp>R</scp>â€34a/silent information regulator 1 pathway. Journal of Pineal Research, 2016, 61, 370-380.	3.4	106
51	The Effects of Dexmedetomidine on Perinatal Excitotoxic Brain Injury are Mediated by the ??2A-Adrenoceptor Subtype. Anesthesia and Analgesia, 2006, 102, 456-461.	1.1	103
52	Inner ear lesions in congenital cytomegalovirus infection of human fetuses. Acta Neuropathologica, 2011, 122, 763-774.	3.9	103
53	Molecular Mechanisms of Neonatal Brain Injury. Neurology Research International, 2012, 2012, 1-16.	0.5	102
54	The impact of neonatal intensive care practices on the developing brain. Journal of Pediatrics, 2002, 140, 646-653.	0.9	101

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55	Arrest of neuronal migration by excitatory amino acids in hamster developing brain. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15463-15468.	3.3	97
56	Impaired neuronal migration and endochondral ossification in Pex7 knockout mice: a model for rhizomelic chondrodysplasia punctata. Human Molecular Genetics, 2003, 12, 2255-2267.	1.4	97
57	Decreased microglial Wnt/Î2-catenin signalling drives microglial pro-inflammatory activation in the developing brain. Brain, 2019, 142, 3806-3833.	3.7	97
58	Neuropathological review of 138 cases genetically tested for X-linked hydrocephalus: evidence for closely related clinical entities of unknown molecular bases. Acta Neuropathologica, 2013, 126, 427-442.	3.9	96
59	Alternative Oxidase Expression in the Mouse Enables Bypassing Cytochrome c Oxidase Blockade and Limits Mitochondrial ROS Overproduction. PLoS Genetics, 2013, 9, e1003182.	1.5	96
60	Microlissencephaly: A Heterogeneous Malformation of Cortical Development. Neuropediatrics, 1998, 29, 113-119.	0.3	95
61	Selective activation of central subtypes of the nicotinic acetylcholine receptor has opposite effects on neonatal excitotoxic brain injuries. FASEB Journal, 2002, 16, 423-425.	0.2	94
62	Melatonin Promotes Oligodendroglial Maturation of Injured White Matter in Neonatal Rats. PLoS ONE, 2009, 4, e7128.	1.1	94
63	Mechanisms and Disturbances of Neuronal Migration. Pediatric Research, 2000, 48, 725-730.	1.1	93
64	Brainâ€derived neurotrophic factorâ€mediated effects on mitochondrial respiratory coupling and neuroprotection share the same molecular signalling pathways. European Journal of Neuroscience, 2012, 35, 366-374.	1.2	93
65	Gastrointestinal dysfunction in mice with a targeted mutation in the gene encoding vasoactive intestinal polypeptide: A model for the study of intestinal ileus and Hirschsprung's disease. Peptides, 2007, 28, 1688-1699.	1.2	92
66	Expanding the clinical and neuroradiologic phenotype of primary microcephaly due to <i>ASPM</i> mutations. Neurology, 2009, 73, 962-969.	1.5	92
67	Prenatal Ischemia and White Matter Damage in Rats. Journal of Neuropathology and Experimental Neurology, 2005, 64, 998-1006.	0.9	91
68	Different types of nutritional deficiencies affect different domains of spatial memory function checked in a radial arm maze. Neuroscience, 2008, 152, 859-866.	1.1	90
69	ZIKA virus elicits P53 activation and genotoxic stress in human neural progenitors similar to mutations involved in severe forms of genetic microcephaly and p53. Cell Death and Disease, 2016, 7, e2440-e2440.	2.7	88
70	Effects of Dexmedetomidine on Hippocampal Focal Adhesion Kinase Tyrosine Phosphorylation in Physiologic and Ischemic Conditions. Anesthesiology, 2005, 103, 969-977.	1.3	87
71	Neurotoxic Effects of Fluorinated Glucocorticoid Preparations on the Developing Mouse Brain: Role of Preservatives. Pediatric Research, 2001, 50, 706-711.	1.1	86
72	Neuroinflammation, myelin and behavior: Temporal patterns following mild traumatic brain injury in mice. PLoS ONE, 2017, 12, e0184811.	1.1	86

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73	Transplacental Cocaine Exposure: A Mouse Model Demonstrating Neuroanatomic and Behavioral Abnormalities. Journal of Child Neurology, 1994, 9, 234-241.	0.7	84
74	Neuroprotective effects of leptin in vivo and in vitro. NeuroReport, 2001, 12, 3947-3951.	0.6	83
75	Recombinant peroxiredoxin 5 protects against excitotoxic brain lesions in newborn mice. Free Radical Biology and Medicine, 2003, 34, 862-872.	1.3	83
76	Temporal Characterization of Microglia/Macrophage Phenotypes in a Mouse Model of Neonatal Hypoxic-Ischemic Brain Injury. Frontiers in Cellular Neuroscience, 2016, 10, 286.	1.8	83
77	A Novel Mouse Model of Ureaplasma-Induced Perinatal Inflammation: Effects on Lung and Brain Injury. Pediatric Research, 2009, 65, 430-436.	1.1	82
78	Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Signaling and Cell Death in the Immature Central Nervous System after Hypoxia-Ischemia and Inflammation. Journal of Biological Chemistry, 2014, 289, 9430-9439.	1.6	82
79	Brain Cell Death Is Reduced With Cooling by 3.5Â°C to 5Â°C but Increased With Cooling by 8.5Â°C in a Piglet Asphyxia Model. Stroke, 2015, 46, 275-278.	1.0	82
80	Effects of interleukin-10 on neonatal excitotoxic brain lesions in mice. Developmental Brain Research, 2003, 141, 25-32.	2.1	81
81	Neocortical and cerebellar developmental abnormalities in conditions of selective elimination of peroxisomes from brain or from liver. Journal of Neuroscience Research, 2007, 85, 58-72.	1.3	81
82	Reactive astrocyte COX2â€PGE2 production inhibits oligodendrocyte maturation in neonatal white matter injury. Glia, 2017, 65, 2024-2037.	2.5	81
83	Oligodendrocyte precursor survival and differentiation requires chromatin remodeling by Chd7 and Chd8. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8246-E8255.	3.3	81
84	Topiramate prevents excitotoxic damage in the newborn rodent brain. Neurobiology of Disease, 2005, 20, 837-848.	2.1	80
85	How to reprogram microglia toward beneficial functions. Glia, 2018, 66, 2531-2549.	2.5	80
86	IL-9/IL-9 receptor signaling selectively protects cortical neurons against developmental apoptosis. Cell Death and Differentiation, 2008, 15, 1542-1552.	5.0	79
87	Systemic inflammation sensitizes the neonatal brain to excitotoxicity through a pro-/anti-inflammatory imbalance: Key role of TNFÎ± pathway and protection by etanercept. Brain, Behavior, and Immunity, 2010, 24, 747-758.	2.0	79
88	Neonatal Encephalopathy or Hypoxic-Ischemic Encephalopathy? Appropriate Terminology Matters. Pediatric Research, 2011, 70, 1-2.	1.1	79
89	Inflammationâ€induced sensitization of the brain in term infants. Developmental Medicine and Child Neurology, 2015, 57, 17-28.	1.1	79
90	Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system. Neuropharmacology, 2018, 128, 301-313.	2.0	79

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91	Maternal protein restriction early in rat pregnancy alters brain development in the progeny. Developmental Brain Research, 1997, 103, 21-35.	2.1	77
92	VIP and PACAP induce selective neuronal differentiation of mouse embryonic stem cells. European Journal of Neuroscience, 2004, 19, 798-808.	1.2	75
93	A systems-level framework for drug discovery identifies Csf1R as an anti-epileptic drug target. Nature Communications, 2018, 9, 3561.	5.8	75
94	Pathogenesis of migration disorders. Current Opinion in Neurology, 2006, 19, 135-140.	1.8	74
95	Integrative genomics of microglia implicates DLG4 (PSD95) in the white matter development of preterm infants. Nature Communications, 2017, 8, 428.	5.8	74
96	Nociceptin/orphanin FQ exacerbates excitotoxic white-matter lesions in the murine neonatal brain. Journal of Clinical Investigation, 2001, 107, 457-466.	3.9	73
97	Distribution of VIP mRNA and two distinct VIP binding sites in the developing rat brain: Relation to ontogenic events. Journal of Comparative Neurology, 1994, 342, 186-205.	0.9	72
98	Positive allosteric modulators of AMPA receptors are neuroprotective against lesions induced by an NMDA agonist in neonatal mouse brain. Brain Research, 2003, 970, 221-225.	1.1	72
99	Molecular Mechanisms Involved in Injury to the Preterm Brain. Journal of Child Neurology, 2009, 24, 1112-1118.	0.7	72
100	Preterm Delivery Disrupts the Developmental Program of the Cerebellum. PLoS ONE, 2011, 6, e23449.	1.1	72
101	Magnesium Deficiency-Dependent Audiogenic Seizures (MDDASs) in Adult Mice: A Nutritional Model for Discriminatory Screening of Anticonvulsant Drugs and Original Assessment of Neuroprotection Properties. Journal of Neuroscience, 1998, 18, 4363-4373.	1.7	71
102	Microglial MyD88 signaling regulates acute neuronal toxicity of LPS-stimulated microglia in vitro. Brain, Behavior, and Immunity, 2010, 24, 776-783.	2.0	71
103	Maternal deprivation induces deficits in temporal memory and cognitive flexibility and exaggerates synaptic plasticity in the rat medial prefrontal cortex. Neurobiology of Learning and Memory, 2012, 98, 207-214.	1.0	70
104	Erythropoietin is neuroprotective against NMDA-receptor-mediated excitotoxic brain injury in newborn mice. Neurobiology of Disease, 2006, 24, 357-366.	2.1	69
105	Moderate growth restriction: Deleterious and protective effects on white matter damage. Neurobiology of Disease, 2007, 26, 253-263.	2.1	69
106	Pharmacokinetics of melatonin in preterm infants. British Journal of Clinical Pharmacology, 2013, 76, 725-733.	1.1	68
107	Inhaled Nitric Oxide Reduces Brain Damage by Collateral Recruitment in a Neonatal Stroke Model. Stroke, 2012, 43, 3078-3084.	1.0	67
108	Human Motor Thalamus Reconstructed in 3D from Continuous Sagittal Sections with Identified Subcortical Afferent Territories. ENeuro, 2018, 5, ENEURO.0060-18.2018.	0.9	66

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109	Disruption of murine Hexa gene leads to enzymatic deficiency and to neuronal lysosomal storage, similar to that observed in Tay-Sachs disease. Mammalian Genome, 1995, 6, 844-849.	1.0	65
110	ARCN1 Mutations Cause a Recognizable Craniofacial Syndrome Due to COPI-Mediated Transport Defects. American Journal of Human Genetics, 2016, 99, 451-459.	2.6	65
111	Oxytocin receptor agonist reduces perinatal brain damage by targeting microglia. Glia, 2019, 67, 345-359.	2.5	65
112	In situ polymerase chain reaction: Localization of HSV-2 DNA sequences in infections of the nervous system. Journal of Virological Methods, 1994, 46, 61-83.	1.0	64
113	Ventricular dilatations. Child's Nervous System, 2003, 19, 517-523.	0.6	64
114	Role of microglia in a mouse model of paediatric traumatic brain injury. Brain, Behavior, and Immunity, 2017, 63, 197-209.	2.0	64
115	Chorioamnionitis, neuroinflammation, and injury: timing is key in the preterm ovine fetus. Journal of Neuroinflammation, 2018, 15, 113.	3.1	63
116	Dietary omega-3 deficiency exacerbates inflammation and reveals spatial memory deficits in mice exposed to lipopolysaccharide during gestation. Brain, Behavior, and Immunity, 2018, 73, 427-440.	2.0	63
117	Pharmacological and genetic inhibition of NADPH oxidase does not reduce brain damage in different models of perinatal brain injury in newborn mice. Neurobiology of Disease, 2008, 31, 133-144.	2.1	62
118	Embryonic Stem Cell-Derived Mesenchymal Stem Cells (MSCs) Have a Superior Neuroprotective Capacity Over Fetal MSCs in the Hypoxic-Ischemic Mouse Brain. Stem Cells Translational Medicine, 2018, 7, 439-449.	1.6	62
119	Transcriptomic regulations in oligodendroglial and microglial cells related to brain damage following fetal growth restriction. Glia, 2016, 64, 2306-2320.	2.5	61
120	Neuronal Migration Depends on Intact Peroxisomal Function in Brain and in Extraneuronal Tissues. Journal of Neuroscience, 2003, 23, 9732-9741.	1.7	60
121	Brain damage of the preterm infant: new insights into the role of inflammation. Biochemical Society Transactions, 2014, 42, 557-563.	1.6	59
122	Mutations in Citron Kinase Cause Recessive Microlissencephaly with Multinucleated Neurons. American Journal of Human Genetics, 2016, 99, 511-520.	2.6	59
123	Neuroinflammation in preterm babies and autism spectrum disorders. Pediatric Research, 2019, 85, 155-165.	1.1	59
124	GAP-43 is essential for the neurotrophic effects of BDNF and positive AMPA receptor modulator S18986. Cell Death and Differentiation, 2009, 16, 624-637.	5.0	58
125	Chronic Mild Stress during Gestation Worsens Neonatal Brain Lesions in Mice. Journal of Neuroscience, 2007, 27, 7532-7540.	1.7	57
126	Cyclooxygenase-2 mediates the sensitizing effects of systemic IL-1-beta on excitotoxic brain lesions in newborn mice. Neurobiology of Disease, 2007, 25, 496-505.	2.1	57

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127	Controversies in preterm brain injury. Neurobiology of Disease, 2016, 92, 90-101.	2.1	57
128	Antiepileptic popular ketogenic diet: emerging twists in an ancient story. Progress in Neurobiology, 2005, 75, 1-28.	2.8	56
129	Endocannabinoids potently protect the newborn brain against AMPA-kainate receptor-mediated excitotoxic damage. British Journal of Pharmacology, 2006, 148, 442-451.	2.7	56
130	Genetic inhibition of caspaseâ€2 reduces hypoxicâ€ischemic and excitotoxic neonatal brain injury. Annals of Neurology, 2011, 70, 781-789.	2.8	56
131	Neuroanatomical, Sensorimotor and Cognitive Deficits in Adult Rats with White Matter Injury Following Prenatal Ischemia. Brain Pathology, 2012, 22, 1-16.	2.1	56
132	MicroRNAs Establish Robustness and Adaptability of a Critical Gene Network to Regulate Progenitor Fate Decisions during Cortical Neurogenesis. Cell Reports, 2014, 7, 1779-1788.	2.9	56
133	Neurotrophins and Cytokines in Neuronal Plasticity. Novartis Foundation Symposium, 2008, 289, 222-237.	1.2	56
134	Neuronal migration disorder in Zellweger mice is secondary to glutamate receptor dysfunction. Annals of Neurology, 2000, 48, 336-343.	2.8	55
135	Deleterious Effects of IL-9â€“Activated Mast Cells and Neuroprotection by Antihistamine Drugs in the Developing Mouse Brain. Pediatric Research, 2001, 50, 222-230.	1.1	55
136	Patterns of cerebral inflammatory response in a rabbit model of intrauterine infection-mediated brain lesion. Developmental Brain Research, 2003, 145, 39-48.	2.1	55
137	Neonatal hypoxic preconditioning involves vascular endothelial growth factor. Neurobiology of Disease, 2007, 26, 243-252.	2.1	55
138	Interneuron Development Is Disrupted in Preterm Brains With Diffuse White Matter Injury: Observations in Mouse and Human. Frontiers in Physiology, 2019, 10, 955.	1.3	55
139	Docosahexaenoic Acid Deficit Is Not a Major Pathogenic Factor in Peroxisome-Deficient Mice. Laboratory Investigation, 2000, 80, 31-35.	1.7	54
140	Maternal Exposure to Lipopolysaccharide Leads to Transient Motor Dysfunction in Neonatal Rats. Developmental Neuroscience, 2013, 35, 172-181.	1.0	54
141	Early Neurogenesis and Teratogenesis in Whole Mouse Embryo Cultures. Histochemical, Immunocytological and Ultrastructural Study of the Premigratory Neuronal-glial Units in Normal Mouse Embryo and in Mouse Embryos Influenced by Cocaine and Retinoic Acid. Journal of Neuropathology and Experimental Neurology, 1992, 51, 206-219.	0.9	53
142	Involvement of Pituitary Adenylate Cyclaseâ€Activating Polypeptide II Vasoactive Intestinal Peptide 2 Receptor in Mouse Neocortical Astrocytogenesis. Journal of Neurochemistry, 1998, 70, 2165-2173.	2.1	53
143	Neuroprotective Strategies for the Neonatal Brain. Anesthesia and Analgesia, 2008, 106, 1670-1680.	1.1	53
144	A dual role for <scp>AMP</scp>â€activated protein kinase (AMPK) during neonatal hypoxicâ€“ischaemic brain injury in mice. Journal of Neurochemistry, 2015, 133, 242-252.	2.1	53

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145	Autosomal recessive primary microcephaly due to <i>ASPM</i> mutations: An update. Human Mutation, 2018, 39, 319-332.	1.1	53
146	New Concepts to Understand the Neurological Consequences of Subcortical Lesions in the Premature Brain. Neonatology, 1992, 61, 1-3.	0.9	52
147	The glial fascicle: an ontogenic and phylogenic unit guiding, supplying and distributing mammalian cortical neurons. Developmental Brain Research, 1993, 76, 272-277.	2.1	52
148	Melatonin prevents learning disorders in brain-lesioned newborn mice. Neuroscience, 2007, 150, 712-719.	1.1	52
149	Inhaled 45â€“50% argon augments hypothermic brain protection in a piglet model of perinatal asphyxia. Neurobiology of Disease, 2016, 87, 29-38.	2.1	52
150	Brain oxidative damage in murine models of neonatal hypoxia/ischemia and reoxygenation. Free Radical Biology and Medicine, 2019, 142, 3-15.	1.3	52
151	Herpes simplex virus type 1 DNA persistence, progressive disease and transgenic immediate early gene promoter activity in chronic corneal infections in mice. Journal of General Virology, 1994, 75, 1201-1210.	1.3	51
152	Inflammation processes in perinatal brain damage. Journal of Neural Transmission, 2010, 117, 1009-1017.	1.4	51
153	Expression of Sonic Hedgehog During Cell Proliferation in the Human Cerebellum. Stem Cells and Development, 2012, 21, 1059-1068.	1.1	51
154	Toll-Like Receptor 3 Expression in Glia and Neurons Alters in Response to White Matter Injury in Preterm Infants. Developmental Neuroscience, 2013, 35, 130-139.	1.0	51
155	Metabolic Regulation of Neocortical Expansion in Development and Evolution. Neuron, 2021, 109, 408-419.	3.8	51
156	Resistance to leptin-replacement therapy in Berardinelliâ€“Seip congenital lipodystrophy: an immunological origin. European Journal of Endocrinology, 2010, 162, 1083-1091.	1.9	50
157	Neurobehavioral Development of Neonatal Mice Following Blockade of VIP During the Early Embryonic Period. Peptides, 1997, 18, 1131-1137.	1.2	49
158	Characterization of the Postconditioning Effect of Dexmedetomidine in Mouse Organotypic Hippocampal Slice Cultures Exposed to Oxygen and Glucose Deprivation. Anesthesiology, 2010, 112, 373-383.	1.3	49
159	Hemiconvulsionâ€“hemiplegiaâ€“epilepsy syndrome: Current understandings. European Journal of Paediatric Neurology, 2012, 16, 413-421.	0.7	49
160	Neuronal TGF-Î²1 mediates IL-9/mast cell interaction and exacerbates excitotoxicity in newborn mice. Neurobiology of Disease, 2005, 18, 193-205.	2.1	48
161	Lentiviral-mediated gene transfer of brain-derived neurotrophic factor is neuroprotective in a mouse model of neonatal excitotoxic challenge. Journal of Neuroscience Research, 2006, 83, 50-60.	1.3	48
162	Neuroprotective Effect of Inhaled Nitric Oxide on Excitotoxic-Induced Brain Damage in Neonatal Rat. PLoS ONE, 2010, 5, e10916.	1.1	48

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163	Pathophysiology of neonatal brain lesions: Lessons from animal models of excitotoxicity. Acta Paediatrica, International Journal of Paediatrics, 2005, 94, 185-190.	0.7	47
164	Mitochondrial Optic Atrophy (OPA) 1 Processing Is Altered in Response to Neonatal Hypoxic-Ischemic Brain Injury. International Journal of Molecular Sciences, 2015, 16, 22509-22526.	1.8	47
165	Regulation of Neuroprotective Action of Vasoactive Intestinal Peptide in the Murine Developing Brain by Protein Kinase C and Mitogenâ€Activated Protein Kinase Cascades: In Vivo and In Vitro Studies. Journal of Neurochemistry, 1998, 70, 2574-2584.	2.1	46
166	Delayed White Matter Injury in a Murine Model of Shaken Baby Syndrome. Brain Pathology, 2002, 12, 320-328.	2.1	46
167	Transient Inhibition of Astrocytogenesis in Developing Mouse Brain Following Postnatal Caffeine Exposure. Pediatric Research, 2007, 62, 604-609.	1.1	46
168	The Neuronal Migration Defect in Mice with Zellweger Syndrome (<i>Pex5</i>Knockout) is not Caused by the Inactivity of Peroxisomal Î²-Oxidation. Journal of Neuropathology and Experimental Neurology, 2002, 61, 368-374.	0.9	45
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