Pierre Gressens

List of Publications by Year
in descending order

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435	24,380	7096 78	14208 128
papers	citations	h-index	g-index

483	483	483	24334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hypothermia is not therapeutic in a neonatal piglet model of inflammation-sensitized hypoxiaâ€“ischemia. Pediatric Research, 2022, 91, 1416-1427.	2.3	9
2	Nâ€3 PUFA deficiency disrupts oligodendrocyte maturation and myelin integrity during brain development. Glia, 2022, 70, 50-70.	4.9	12
3	<scp>miR</scp>â€146b Protects the Perinatal Brain against Microgliaâ€Induced Hypomyelination. Annals of Neurology, 2022, 91, 48-65.	5.3	17
4	Olfactory function in congenital cytomegalovirus infection: a prospective study. European Journal of Pediatrics, 2022, 181, 1859-1869.	2.7	7
5	Extracellular vesicles at the rescue of the preterm brain. Brain, Behavior, and Immunity, 2022, 102, 135-135.	4.1	0
6	Targeting microbial metabolites to treat autism. Nature Medicine, 2022, 28, 448-450.	30.7	2
7	Early Life Exposure to Tumor Necrosis Factor Induces Precocious Sensorimotor Reflexes Acquisition and Increases Locomotor Activity During Mouse Postnatal Development. Frontiers in Behavioral Neuroscience, 2022, 16, 845458.	2.0	1
8	Bisphenol A Impairs Lipid Remodeling Accompanying Cell Differentiation in the Oligodendroglial Cell Line Oli-Neu. Molecules, 2022, 27, 2274.	3.8	4
9	Parental autoimmune and autoinflammatory disorders as multiple risk factors for common neurodevelopmental disorders in offspring: a systematic review and meta-analysis. Translational Psychiatry, 2022, 12, 112.	4.8	12
10	Neurogenesis Is Reduced at 48 h in the Subventricular Zone Independent of Cell Death in a Piglet Model of Perinatal Hypoxia-Ischemia. Frontiers in Pediatrics, 2022, 10, 793189.	1.9	6
11	The Impact of Mouse Preterm Birth Induction by RU-486 on Microglial Activation and Subsequent Hypomyelination. International Journal of Molecular Sciences, 2022, 23, 4867.	4.1	3
12	A unique cerebellar pattern of microglia activation in a mouse model of encephalopathy of prematurity. Glia, 2022, 70, 1699-1719.	4.9	7
13	Cortical Organoids to Model Microcephaly. Cells, 2022, 11, 2135.	4.1	3
14	Serial blood cytokine and chemokine mRNA and microRNA over 48â€‰h are insult specific in a piglet model of inflammation-sensitized hypoxiaâ€“ischaemia. Pediatric Research, 2021, 89, 464-475.	2.3	4
15	Metabolic Regulation of Neocortical Expansion in Development and Evolution. Neuron, 2021, 109, 408-419.	8.1	51
16	Neuroprotection offered by mesenchymal stem cells in perinatal brain injury: Role of mitochondria, inflammation, and reactive oxygen species. Journal of Neurochemistry, 2021, 158, 59-73.	3.9	38
17	The impact of trophic and immunomodulatory factors on oligodendrocyte maturation: Potential treatments for encephalopathy of prematurity. Glia, 2021, 69, 1311-1340.	4.9	10
18	Microglia-Mediated Neurodegeneration in Perinatal Brain Injuries. Biomolecules, 2021, 11, 99.	4.0	32

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19	Microglial inflammasome activation drives developmental white matter injury. Glia, 2021, 69, 1268-1280.	4.9	15
20	The immune-inflammatory response of oligodendrocytes in a murine model of preterm white matter injury: the role of TLR3 activation. Cell Death and Disease, 2021, 12, 166.	6.3	26
21	COVID-19 and Pregnancy: Vertical Transmission and Inflammation Impact on Newborns. Vaccines, 2021, 9, 391.	4.4	22
22	Therapeutic potential of stem cells for preterm infant brain damage: Can we move from the heterogeneity of preclinical and clinical studies to established therapeutics?. Biochemical Pharmacology, 2021, 186, 114461.	4.4	11
23	Therapies for neonatal encephalopathy: Targeting the latent, secondary and tertiary phases of evolving brain injury. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101256.	2.3	22
24	Update on mechanisms of the pathophysiology of neonatal encephalopathy. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101267.	2.3	18
25	Targeting Microglial Disturbances to Protect the Brain From Neurodevelopmental Disorders Associated With Prematurity. Journal of Neuropathology and Experimental Neurology, 2021, 80, 634-648.	1.7	3
26	Neuronal let-7b-5p acts through the Hippo-YAP pathway in neonatal encephalopathy. Communications Biology, 2021, 4, 1143.	4.4	4
27	Agricultural groundwater with high nitrates and dissolved salts given to pregnant mice alters brain development in the offspring. Ecotoxicology and Environmental Safety, 2021, 224, 112635.	6.0	6
28	Philippe Evrard. , 2021, , 717-719.		0
29	Partial protective effects of melatonin on developing brain in a rat model of chorioamnionitis. Scientific Reports, 2021, 11, 22167.	3.3	9
30	Association Between Early Amino Acid Intake and Full-Scale IQ at Age 5 Years Among Infants Born at Less Than 30 Weeksâ€™ Gestation. JAMA Network Open, 2021, 4, e2135452.	5.9	13
31	Perinatal IL-1Î²-induced inflammation suppresses Tbr2+ intermediate progenitor cell proliferation in the developing hippocampus accompanied by long-term behavioral deficits. Brain, Behavior, & Immunity - Health, 2020, 7, 100106.	2.5	10
32	Cortical Gray Matter Injury in Encephalopathy of Prematurity: Link to Neurodevelopmental Disorders. Frontiers in Neurology, 2020, 11, 575.	2.4	31
33	CDK5RAP2 primary microcephaly is associated with hypothalamic, retinal and cochlear developmental defects. Journal of Medical Genetics, 2020, 57, 389-399.	3.2	17
34	High-Dose Melatonin and Ethanol Excipient Combined with Therapeutic Hypothermia in a Newborn Piglet Asphyxia Model. Scientific Reports, 2020, 10, 3898.	3.3	30
35	Cranial ultrasound by neonatologists. Pediatric Research, 2020, 87, 1-2.	2.3	6
36	Cell Metabolic Alterations due to Mcph1 Mutation in Microcephaly. Cell Reports, 2020, 31, 107506.	6.4	23

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37	microRNAs in Normal Brain Physiology. , 2020, , 3-13.		0
38	Acute LPS sensitization and continuous infusion exacerbates hypoxic brain injury in a piglet model of neonatal encephalopathy. Scientific Reports, 2019, 9, 10184.	3.3	36
39	Neuroprotection of the preterm brain. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 162, 315-328.	1.8	18
40	Interneuron Development Is Disrupted in Preterm Brains With Diffuse White Matter Injury: Observations in Mouse and Human. Frontiers in Physiology, 2019, 10, 955.	2.8	55
41	Evolutionary Gain of Dbx1 Expression Drives Subplate Identity in the Cerebral Cortex. Cell Reports, 2019, 29, 645-658.e5.	6.4	11
42	Evolutionarily conserved susceptibility of the mitochondrial respiratory chain to SDHI pesticides and its consequence on the impact of SDHIs on human cultured cells. PLoS ONE, 2019, 14, e0224132.	2.5	43
43	Decreased microglial Wnt/Î²-catenin signalling drives microglial pro-inflammatory activation in the developing brain. Brain, 2019, 142, 3806-3833.	7.6	97
44	A 20 years conundrum of neonatal encephalopathy and hypoxic ischemic encephalopathy: are we closer to a consensus guideline?. Pediatric Research, 2019, 86, 548-549.	2.3	19
45	Toward the elimination of bias in Pediatric Research. Pediatric Research, 2019, 86, 680-681.	2.3	0
46	Brain oxidative damage in murine models of neonatal hypoxia/ischemia and reoxygenation. Free Radical Biology and Medicine, 2019, 142, 3-15.	2.9	52
47	Melatonin Levels in Preterm and Term Infants and Their Mothers. International Journal of Molecular Sciences, 2019, 20, 2077.	4.1	35
48	Knowledge Gaps and Emerging Research Areas in Intrauterine Growth Restriction-Associated Brain Injury. Frontiers in Endocrinology, 2019, 10, 188.	3.5	38
49	Ontogeny of cytokine responses to PHA from birth to adulthood. Pediatric Research, 2019, 86, 63-70.	2.3	11
50	Involvement of the synapseâ€specific zinc transporter ZnT3 in cadmiumâ€induced hippocampal neurotoxicity. Journal of Cellular Physiology, 2019, 234, 15872-15884.	4.1	18
51	Neuroinflammation in preterm babies and autism spectrum disorders. Pediatric Research, 2019, 85, 155-165.	2.3	59
52	Early origins of neuropsychiatric disorders. Pediatric Research, 2019, 85, 113-114.	2.3	6
53	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.	4.9	155
54	Oxytocin receptor agonist reduces perinatal brain damage by targeting microglia. Glia, 2019, 67, 345-359.	4.9	65

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55	Magnesium induces preconditioning of the neonatal brain via profound mitochondrial protection. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1038-1055.	4.3	44
56	Endoplasmic reticulum and Golgi stress in microcephaly. Cell Stress, 2019, 3, 369-384.	3.2	22
57	EFNB2 haploinsufficiency causes a syndromic neurodevelopmental disorder. Clinical Genetics, 2018, 93, 1141-1147.	2.0	18
58	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.	3.3	62
59	Magnesium sulphate induces preconditioning in preterm rodent models of cerebral hypoxiaâ€ischemia. International Journal of Developmental Neuroscience, 2018, 70, 56-66.	1.6	14
60	RORÎ± Coordinates Thalamic and Cortical Maturation to Instruct Barrel Cortex Development. Cerebral Cortex, 2018, 28, 3994-4007.	2.9	15
61	Neuroprotection of the hypoxic-ischemic mouse brain by human CD117+CD90+CD105+ amniotic fluid stem cells. Scientific Reports, 2018, 8, 2425.	3.3	20
62	STIL balancing primary microcephaly and cancer. Cell Death and Disease, 2018, 9, 65.	6.3	22
63	Zika epidemic: a step towards understanding the infectious causes of microcephaly?. Lancet Infectious Diseases, The, 2018, 18, 15-16.	9.1	3
64	Hippocampal Radial Glial Subtypes and Their Neurogenic Potential in Human Fetuses and Healthy and Alzheimerâ€™s Disease Adults. Cerebral Cortex, 2018, 28, 2458-2478.	2.9	128
65	Hypoxiaâ€“ischemia is not an antecedent of most preterm brain damage: the illusion of validity. Developmental Medicine and Child Neurology, 2018, 60, 120-125.	2.1	42
66	Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system. Neuropharmacology, 2018, 128, 301-313.	4.1	79
67	Autosomal recessive primary microcephaly due to ASPM mutations: An update. Human Mutation, 2018, 39, 319-332.	2.5	53
68	Golgipathies in Neurodevelopment: A New View of Old Defects. Developmental Neuroscience, 2018, 40, 396-416.	2.0	35
69	Neuroprotective Strategies for Newborns. , 2018, , 2185-2199.		0
70	Congenital Cytomegalovirus Infection Alters Olfaction Before Hearing Deterioration In Mice. Journal of Neuroscience, 2018, 38, 10424-10437.	3.6	13
71	The Cerebrospinal Fluid Inflammatory Response to Preterm Birth. Frontiers in Physiology, 2018, 9, 1299.	2.8	19
72	Myelination induction by a histamine H3 receptor antagonist in a mouse model of preterm white matter injury. Brain, Behavior, and Immunity, 2018, 74, 265-276.	4.1	25

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73	How to reprogram microglia toward beneficial functions. Glia, 2018, 66, 2531-2549.	4.9	80
74	A systems-level framework for drug discovery identifies Csf1R as an anti-epileptic drug target. Nature Communications, 2018, 9, 3561.	12.8	75
75	In Utero Administration of Drugs Targeting Microglia Improves the Neurodevelopmental Outcome Following Cytomegalovirus Infection of the Rat Fetal Brain. Frontiers in Cellular Neuroscience, 2018, 12, 55.	3.7	8
76	TWEAK Receptor Deficiency Has Opposite Effects on Female and Male Mice Subjected to Neonatal Hypoxiaâ€“Ischemia. Frontiers in Neurology, 2018, 9, 230.	2.4	3
77	Chorioamnionitis, neuroinflammation, and injury: timing is key in the preterm ovine fetus. Journal of Neuroinflammation, 2018, 15, 113.	7.2	63
78	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.	7.1	81
79	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.	4.1	63
80	Central Nervous System Development. , 2018, , 852-856.e1.		0
81	Neuroprotection Strategies for the Newborn. , 2018, , 910-921.e6.		2
82	Human Motor Thalamus Reconstructed in 3D from Continuous Sagittal Sections with Identified Subcortical Afferent Territories. ENeuro, 2018, 5, ENEURO.0060-18.2018.	1.9	66
83	Axl Mediates ZIKA Virus Entry in Human Glial Cells and Modulates Innate Immune Responses. Cell Reports, 2017, 18, 324-333.	6.4	361
84	Dexmedetomidine Combined with Therapeutic Hypothermia Is Associated with Cardiovascular Instability and Neurotoxicity in a Piglet Model of Perinatal Asphyxia. Developmental Neuroscience, 2017, 39, 156-170.	2.0	23
85	Implicating Receptor Activator of NF-κB (RANK)/RANK Ligand Signalling in Microglial Responses to Toll-Like Receptor Stimuli. Developmental Neuroscience, 2017, 39, 192-206.	2.0	23
86	Persistently Altered Metabolic Phenotype following Perinatal Excitotoxic Brain Injury. Developmental Neuroscience, 2017, 39, 182-191.	2.0	19
87	Cytokine/chemokine secretion for detecting tuberculosis in quantiferon supernatants from HIV + and HIV â˚' children. Journal of Infection, 2017, 75, 77-80.	3.3	1
88	Long-Term Neuropathological Changes Associated with Cerebral Palsy in a Nonhuman Primate Model of Hypoxic-Ischemic Encephalopathy. Developmental Neuroscience, 2017, 39, 124-140.	2.0	30
89	Golgi trafficking defects in postnatal microcephaly: The evidence for â€œGolgipathiesâ€• Progress in Neurobiology, 2017, 153, 46-63.	5.7	38
90	GluNs Detection and Functions in Microglial Cells. Methods in Molecular Biology, 2017, 1677, 253-263.	0.9	0

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91	Reactive astrocyte COX2â€PGE2 production inhibits oligodendrocyte maturation in neonatal white matter injury. Glia, 2017, 65, 2024-2037.	4.9	81
92	Integrative genomics of microglia implicates DLG4 (PSD95) in the white matter development of preterm infants. Nature Communications, 2017, 8, 428.	12.8	74
93	Synaptoimmunology - roles in health and disease. Molecular Brain, 2017, 10, 26.	2.6	36
94	How to: Measuring blood cytokines in biological psychiatry using commercially available multiplex immunoassays. Psychoneuroendocrinology, 2017, 75, 72-82.	2.7	38
95	Role of microglia in a mouse model of paediatric traumatic brain injury. Brain, Behavior, and Immunity, 2017, 63, 197-209.	4.1	64
96	Brain Edema in Developing Brain Diseases. , 2017, , 393-429.		1
97	Neuroinflammation, myelin and behavior: Temporal patterns following mild traumatic brain injury in mice. PLoS ONE, 2017, 12, e0184811.	2.5	86
98	Inflammation et lÃ©sions cÃ©rÃ©brales du prÃ©maturÃ©. , 2017, , 535-541.		0
99	Surgery increases cell death and induces changes in gene expression compared with anesthesia alone in the developing piglet brain. PLoS ONE, 2017, 12, e0173413.	2.5	16
100	Temporal Characterization of Microglia/Macrophage Phenotypes in a Mouse Model of Neonatal Hypoxic-Ischemic Brain Injury. Frontiers in Cellular Neuroscience, 2016, 10, 286.	3.7	83
101	Modulation of the Innate Immune Response by Human Neural Precursors Prevails over Oligodendrocyte Progenitor Remyelination to Rescue a Severe Model of Pelizaeus-Merzbacher Disease. Stem Cells, 2016, 34, 984-996.	3.2	33
102	Pro-epileptogenic effects of viral-like inflammation in both mature and immature brains. Journal of Neuroinflammation, 2016, 13, 307.	7.2	18
103	Contribution of mast cells to injury mechanisms in a mouse model of pediatric traumatic brain injury. Journal of Neuroscience Research, 2016, 94, 1546-1560.	2.9	25
104	Glial response to 17Î²-estradiol in neonatal rats with excitotoxic brain injury. Experimental Neurology, 2016, 282, 56-65.	4.1	25
105	21st Century Research in Child Neurology. Neurobiology of Disease, 2016, 92, 1-2.	4.4	0
106	Immune response to Mycobacterium tuberculosis in young contacts with discordant immunological test results. Journal of Infection, 2016, 73, 517-520.	3.3	3
107	Transcriptomic regulations in oligodendroglial and microglial cells related to brain damage following fetal growth restriction. Glia, 2016, 64, 2306-2320.	4.9	61
108	Neuroprotective Strategies for Newborns. , 2016, , 1-15.		0

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109	Pharmacokinetics and tissue diffusion of ganciclovir in mice and rats. Antiviral Research, 2016, 132, 111-115.	4.1	9
110	ARCN1 Mutations Cause a Recognizable Craniofacial Syndrome Due to COPI-Mediated Transport Defects. American Journal of Human Genetics, 2016, 99, 451-459.	6.2	65
111	Mutations in Citron Kinase Cause Recessive Microlissencephaly with Multinucleated Neurons. American Journal of Human Genetics, 2016, 99, 511-520.	6.2	59
112	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.	7.4	106
113	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.	6.3	88
114	Inhaled 45â€“50% argon augments hypothermic brain protection in a piglet model of perinatal asphyxia. Neurobiology of Disease, 2016, 87, 29-38.	4.4	52
115	Impaired oligodendrocyte maturation in preterm infants: Potential therapeutic targets. Progress in Neurobiology, 2016, 136, 28-49.	5.7	110
116	Controversies in preterm brain injury. Neurobiology of Disease, 2016, 92, 90-101.	4.4	57
117	Abnormal spindle-like microcephaly-associated (ASPM) mutations strongly disrupt neocortical structure but spare the hippocampus and long-term memory. Cortex, 2016, 74, 158-176.	2.4	32
118	Immediate remote ischemic postconditioning after hypoxia ischemia in piglets protects cerebral white matter but not grey matter. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1396-1411.	4.3	24
119	Dynamic Expression Patterns of Progenitor and Pyramidal Neuron Layer Markers in the Developing Human Hippocampus. Cerebral Cortex, 2016, 26, 1255-1271.	2.9	19
120	Cytomegalovirus Infection of the Rat Developing Brain In Utero Prominently Targets Immune Cells and Promotes Early Microglial Activation. PLoS ONE, 2016, 11, e0160176.	2.5	29
121	Isoflurane Exposure Induces Cell Death, Microglial Activation and Modifies the Expression of Genes Supporting Neurodevelopment and Cognitive Function in the Male Newborn Piglet Brain. PLoS ONE, 2016, 11, e0166784.	2.5	31
122	By the Wayâ€¦. Pediatric Research, 2015, 78, 602-602.	2.3	0
123	Antiâ€ictogenic and antiepileptogenic properties of brivaracetam in mature and immature rats. Epilepsia, 2015, 56, 800-805.	5.1	21
124	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.	4.1	47
125	Blood-brain barrier dysfunction in disorders of the developing brain. Frontiers in Neuroscience, 2015, 9, 40.	2.8	119
126	Systems approach to the study of brain damage in the very preterm newborn. Frontiers in Systems Neuroscience, 2015, 9, 58.	2.5	21

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127	Protective effects of intermittent hypoxia on brain and memory in a mouse model of apnea of prematurity. Frontiers in Physiology, 2015, 6, 313.	2.8	29
128	Cellular Mechanisms of Toll-Like Receptor-3 Activation in the Thalamus Are Associated With White Matter Injury in the Developing Brain. Journal of Neuropathology and Experimental Neurology, 2015, 74, 273-285.	1.7	31
129	Trans-Modulation of the Somatostatin Type 2A Receptor Trafficking by Insulin-Regulated Aminopeptidase Decreases Limbic Seizures. Journal of Neuroscience, 2015, 35, 11960-11975.	3.6	16
130	Melatonin reduces excitotoxic bloodâ€“brain barrier breakdown in neonatal rats. Neuroscience, 2015, 311, 382-397.	2.3	32
131	Pathophysiology and Neuroprotection of Global and Focal Perinatal Brain Injury: Lessons From Animal Models. Pediatric Neurology, 2015, 52, 566-584.	2.1	36
132	Regiospecific synthesis of neuroprotective 1,4-benzoxazine derivatives through a tandem oxidationâ€“Dielsâ€“Alder reaction. Organic and Biomolecular Chemistry, 2015, 13, 3749-3756.	2.8	10
133	The role of inflammation in perinatal brain injury. Nature Reviews Neurology, 2015, 11, 192-208.	10.1	669
134	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.	3.9	53
135	A Critical Review of Models of Perinatal Infection. Developmental Neuroscience, 2015, 37, 289-304.	2.0	35
136	The Anti-Inflammatory Effects of the Small Molecule Pifithrin-Âμ on BV2 Microglia. Developmental Neuroscience, 2015, 37, 363-375.	2.0	10
137	Altered cytokine profiles in children with indeterminate quantiferon results and common infections. Journal of Infection, 2015, 71, 250-257.	3.3	4
138	Dymeclin deficiency causes postnatal microcephaly, hypomyelination and reticulum-to-Golgi trafficking defects in mice and humans. Human Molecular Genetics, 2015, 24, 2771-2783.	2.9	25
139	Dynamic Expression Patterns of Progenitor and Neuron Layer Markers in the Developing Human Dentate Gyrus and Fimbria. Cerebral Cortex, 2015, 27, bhv223.	2.9	19
140	Inflammationâ€induced sensitization of the brain in term infants. Developmental Medicine and Child Neurology, 2015, 57, 17-28.	2.1	79
141	Nitric Oxide Pathway and Proliferation of Neural Progenitors in the Neonatal Rat. Developmental Neuroscience, 2015, 37, 417-427.	2.0	10
142	Does Caspase-6 Have a Role in Perinatal Brain Injury?. Developmental Neuroscience, 2015, 37, 321-337.	2.0	6
143	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.	2.0	82
144	Animal Models of Cerebral Dysgenesis: Excitotoxic Brain Injury. Neuromethods, 2015, , 239-246.	0.3	0

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145	Apparent diffusion coefficient measurements of the fetal brain during the third trimester of pregnancy: how reliable are they in clinical practice?. Prenatal Diagnosis, 2014, 34, 357-366.	2.3	16
146	Brain damage of the preterm infant: new insights into the role of inflammation. Biochemical Society Transactions, 2014, 42, 557-563.	3.4	59
147	Somatostatin Receptors Type 2 and 5 Expression and Localization During Human Pituitary Development. Endocrinology, 2014, 155, 33-39.	2.8	5
148	Involvement of the Subplate Zone in Preterm Infants with Periventricular White Matter Injury. Brain Pathology, 2014, 24, 128-141.	4.1	33
149	Heat shock factor 2 is a stressâ€responsive mediator of neuronal migration defects in models of fetal alcohol syndrome. EMBO Molecular Medicine, 2014, 6, 1043-1061.	6.9	42
150	Revisiting thyroid hormone treatment to prevent brain damage of prematurity. Journal of Neuroscience Research, 2014, 92, 1609-1610.	2.9	12
151	Cytomegalovirus-Induced Brain Malformations in Fetuses. Journal of Neuropathology and Experimental Neurology, 2014, 73, 143-158.	1.7	126
152	Cytokine responses to quantiferon peptides in pediatric tuberculosis: A pilot study. Journal of Infection, 2014, 68, 62-70.	3.3	43
153	Failure of thyroid hormone treatment to prevent inflammation-induced white matter injury in the immature brain. Brain, Behavior, and Immunity, 2014, 37, 95-102.	4.1	39
154	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.	3.4	82
155	Pharmacokinetics of dexmedetomidine combined with therapeutic hypothermia in a piglet asphyxia model. Acta Anaesthesiologica Scandinavica, 2014, 58, 733-742.	1.6	38
156	Maternal inflammation modulates infant immune response patterns to viral lung challenge in a murine model. Pediatric Research, 2014, 76, 33-40.	2.3	29
157	MicroRNAs Establish Robustness and Adaptability of a Critical Gene Network to Regulate Progenitor Fate Decisions during Cortical Neurogenesis. Cell Reports, 2014, 7, 1779-1788.	6.4	56
158	Stem Cell Therapy for Neonatal Brain Injury. Clinics in Perinatology, 2014, 41, 133-148.	2.1	45
159	Optimum therapeutic hypothermia temperature after perinatal asphyxia: a magnetic resonance spectroscopy biomarker and immunohistochemistry study in the newborn piglet. Lancet, The, 2014, 383, S54.	13.7	0
160	HIP/PAP prevents excitotoxic neuronal death and promotes plasticity. Annals of Clinical and Translational Neurology, 2014, 1, 739-754.	3.7	29
161	Endogenous cerebellar neurogenesis in adult mice with progressive ataxia. Annals of Clinical and Translational Neurology, 2014, 1, 968-981.	3.7	12
162	Impact of Injured Tissue on Stem Cell Fate. Pancreatic Islet Biology, 2014, , 43-56.	0.3	0

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163	Bench to Cribside: the Path for Developing a Neuroprotectant. Translational Stroke Research, 2013, 4, 258-277.	4.2	15
164	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.	2.0	51
165	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.	7.7	96
166	Pharmacokinetics of melatonin in preterm infants. British Journal of Clinical Pharmacology, 2013, 76, 725-733.	2.4	68
167	Characterization of phenotype markers and neuronotoxic potential of polarised primary microglia in vitro. Brain, Behavior, and Immunity, 2013, 32, 70-85.	4.1	529
168	Use of Human Umbilical Cord Blood Mononuclear Cells to Prevent Perinatal Brain Injury: A Preclinical Study. Stem Cells and Development, 2013, 22, 169-179.	2.1	42
169	Melatonin augments hypothermic neuroprotection in a perinatal asphyxia model. Brain, 2013, 136, 90-105.	7.6	222
170	A NovelRAB33BMutation in Smith-McCort Dysplasia. Human Mutation, 2013, 34, 283-286.	2.5	30
171	Conditional Induction of Math1 Specifies Embryonic Stem Cells to Cerebellar Granule Neuron Lineage and Promotes Differentiation into Mature Granule Neurons. Stem Cells, 2013, 31, 652-665.	3.2	21
172	Nitric oxide signaling in the brain: A new target for inhaled nitric oxide?. Annals of Neurology, 2013, 73, 442-448.	5.3	41
173	G proteinâ€“coupled receptor kinase 2 and group I metabotropic glutamate receptors mediate inflammationâ€induced sensitization to excitotoxic neurodegeneration. Annals of Neurology, 2013, 73, 667-678.	5.3	44
174	Maternal Exposure to Lipopolysaccharide Leads to Transient Motor Dysfunction in Neonatal Rats. Developmental Neuroscience, 2013, 35, 172-181.	2.0	54
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