Geraldine Favrais

List of Publications by Year
in descending order

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38 papers	1,441 citations	394421 19 h-index	330143 37 g-index
47 all docs	47 docs citations	47 times ranked	2301 citing authors

#	Article	IF	Citations
1	Systemic inflammation disrupts the developmental program of white matter. Annals of Neurology, 2011, 70, 550-565.	5.3	337
2	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
3	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.	2.4	92
4	Reactive astrocyte COX2â€PGE2 production inhibits oligodendrocyte maturation in neonatal white matter injury. Glia, 2017, 65, 2024-2037.	4.9	81
5	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.	4.1	79
6	Molecular Mechanisms Involved in Injury to the Preterm Brain. Journal of Child Neurology, 2009, 24, 1112-1118.	1.4	72
7	Leading causes of preterm delivery as risk factors for intraventricular hemorrhage in very preterm infants: results of the EPIPAGE 2 cohort study. American Journal of Obstetrics and Gynecology, 2017, 216, 518.e1-518.e12.	1.3	65
8	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.	4.4	57
9	Abstention or intervention for isolated hypotension in the first 3â€…days of life in extremely preterm infants: association with short-term outcomes in the EPIPAGE 2 cohort study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, 490-496.	2.8	55
10	Inflammation processes in perinatal brain damage. Journal of Neural Transmission, 2010, 117, 1009-1017.	2.8	51
11	Real-Time Continuous Glucose Monitoring Reduces the Duration of Hypoglycemia Episodes: A Randomized Trial in Very Low Birth Weight Neonates. PLoS ONE, 2015, 10, e0116255.	2.5	51
12	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
13	Increased MMP-9 and TIMP-1 in mouse neonatal brain and plasma and in human neonatal plasma after hypoxiaâ€“ischemia: a potential marker of neonatal encephalopathy. Pediatric Research, 2012, 71, 63-70.	2.3	43
14	Effect of Early Targeted Treatment of Ductus Arteriosus with Ibuprofen on Survival Without Cerebral Palsy at 2ÂYears in Infants with Extreme Prematurity: A Randomized Clinical Trial. Journal of Pediatrics, 2021, 233, 33-42.e2.	1.8	28
15	The AMPA receptor positive allosteric modulator, S18986, is neuroprotective against neonatal excitotoxic and inflammatory brain damage through BDNF synthesis. Neuropharmacology, 2009, 57, 277-286.	4.1	25
16	Impact of Common Treatments Given in the Perinatal Period on the Developing Brain. Neonatology, 2014, 106, 163-172.	2.0	22
17	Systematic ultrasound examinations in neonates admitted to NICU: evolution of portal vein thrombosis. Journal of Perinatology, 2018, 38, 1359-1364.	2.0	22
18	Multifocal Lymphangioendotheliomatosis With Thrombocytopenia: Clinical Features and Response to Sirolimus. Pediatrics, 2015, 136, e517-e522.	2.1	21

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19	Involvement of VIP and PACAP in neonatal brain lesions generated by a combined excitotoxic/inflammatory challenge. Peptides, 2007, 28, 1727-1737.	2.4	20
20	Neurodevelopmental outcome of late-preterm infants: Literature review. Archives De Pediatrie, 2019, 26, 492-496.	1.0	17
21	Patent ductus arteriosus, tracheal ventilation, and the risk of bronchopulmonary dysplasia. Pediatric Research, 2022, 91, 652-658.	2.3	16
22	Levetiracetam optimal dose-finding as first-line treatment for neonatal seizures occurring in the context of hypoxic-ischaemic encephalopathy (LEVNEONAT-1): study protocol of a phase II trial. BMJ Open, 2019, 9, e022739.	1.9	15
23	Quiet Sleep Organization of Very Preterm Infants Is Correlated With Postnatal Maturation. Frontiers in Pediatrics, 2020, 8, 559658.	1.9	13
24	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
25	Automated brain MRI metrics in the EPIRMEX cohort of preterm newborns: Correlation with the neurodevelopmental outcome at 2 years. Diagnostic and Interventional Imaging, 2021, 102, 225-232.	3.2	9
26	Partial protective effects of melatonin on developing brain in a rat model of chorioamnionitis. Scientific Reports, 2021, 11, 22167.	3.3	9
27	Evaluation of Maturation in Preterm Infants Through an Ensemble Machine Learning Algorithm Using Physiological Signals. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 400-410.	6.3	8
28	Duration of mechanical ventilation is more critical for brain growth than postnatal hydrocortisone in extremely preterm infants. European Journal of Pediatrics, 2021, 180, 3307-3315.	2.7	8
29	Efficacy of sirolimus combined with sclerotherapy for giant cervical lymphatic macrocystic malformations: two newborn cases. European Journal of Dermatology, 2019, 29, 90-91.	0.6	8
30	Neuroprotection of the newborn: From bench to cribside. Seminars in Fetal and Neonatal Medicine, 2007, 12, 239-240.	2.3	5
31	Prematurity alters skin conductance and behavioural scoring after acute stress in termâ€equivalent age infants. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 1609-1615.	1.5	4
32	Alteration of the Oligodendrocyte Lineage Varies According to the Systemic Inflammatory Stimulus in Animal Models That Mimic the Encephalopathy of Prematurity. Frontiers in Physiology, 0, 13, .	2.8	4
33	Intracranial Pressure Monitoring Demonstrates that Cerebral Edema Is Not Correlated to Hyperammonemia in a Child with Ornithine Transcarbamylase Deficiency. JIMD Reports, 2015, 27, 55-62.	1.5	3
34	Early bradycardia detection and therapeutic interventions in preterm infant monitoring. Scientific Reports, 2021, 11, 10486.	3.3	3
35	Approches thÃ©rapeutiques des convulsions nÃ©onatales. Archives De Pediatrie, 2012, 19, H207-H208.	1.0	2
36	A Dose Finding Design for Seizure Reduction in Neonates. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 427-444.	1.0	2

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37	Are single-donor red blood cell transfusions still relevant for preterm infants?. Journal of Perinatology, 2020, 40, 1075-1082.	2.0	0
38	Neuroprotective Strategies. , 2012, , 1173-1179.		0