StÃ©phane Marret

List of Publications by Year
in descending order

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69 papers	3,855 citations	279798 23 h-index	128289 60 g-index
69 all docs	69 docs citations	69 times ranked	4166 citing authors

#	Article	IF	Citations
1	A Phase III Study of Bumetanide Oral Liquid Formulation for the Treatment of Children and Adolescents Aged Between 7 and 17 Years with Autism Spectrum Disorder (SIGN 1 Trial): Participant Baseline Characteristics. Child Psychiatry and Human Development, 2023, 54, 1360-1372.	1.9	4
2	Predictive value of brain MRI at term-equivalent age in extremely preterm children on neurodevelopmental outcome at school-age. Brain Imaging and Behavior, 2022, 16, 878-887.	2.1	2
3	Bronchopulmonary Dysplasia and Risk of Developmental Delay: An EPIPAGE-2 Cohort Study. Neonatology, 2022, 119, 124-128.	2.0	7
4	Neurodevelopment at 5 Years of Age According to Early Screening for Patent Ductus Arteriosus in Extremely Preterm Infants. JAMA - Journal of the American Medical Association, 2022, 328, 71.	7.4	2
5	Caffeine use during pregnancy: prevalence of use and newborn consequences in a cohort of French pregnant women. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 941-950.	3.2	9
6	Next-Generation Molecular Investigations in Lysosomal Diseases: Clinical Integration of a Comprehensive Targeted Panel. Diagnostics, 2021, 11, 294.	2.6	3
7	NGLY1 Deficiency: A Rare Newly Described Condition with a Typical Presentation. Life, 2021, 11, 187.	2.4	12
8	Effect of Neuroprotective Magnesium Sulfate Treatment on Brain Transcription Response to Hypoxia Ischemia in Neonate Mice. International Journal of Molecular Sciences, 2021, 22, 4253.	4.1	2
9	Diagnosis and Management of Glioblastoma: A Comprehensive Perspective. Journal of Personalized Medicine, 2021, 11, 258.	2.5	23
10	Neurodevelopmental outcomes at age 5 among children born preterm: EPIPAGE-2 cohort study. BMJ, The, 2021, 373, n741.	6.0	125
11	Parsing Fabry Disease Metabolic Plasticity Using Metabolomics. Journal of Personalized Medicine, 2021, 11, 898.	2.5	3
12	A randomized EPIREMED protocol study on the long-term visuo spatial effects of very preterm children with a working memory deficit. BMC Pediatrics, 2021, 21, 402.	1.7	1
13	Cerebral Palsy in Very Preterm Infants: A Nine-Year Prospective Study in a French Population-Based Tertiary Center. Journal of Pediatrics, 2021, 237, 183-189.e6.	1.8	8
14	The Neurobehavioral Phenotype of School-Aged, Very Prematurely Born Children with No Serious Neurological Sequelae: A Quality of Life Predictor. Children, 2021, 8, 943.	1.5	4
15	Precision Neurosurgery: A Path Forward. Journal of Personalized Medicine, 2021, 11, 1019.	2.5	2
16	Integrative Metabolomics Reveals Deep Tissue and Systemic Metabolic Remodeling in Glioblastoma. Cancers, 2021, 13, 5157.	3.7	9
17	Heterogenous Clinical Landscape in a Consanguineous Malonic Aciduria Family. International Journal of Molecular Sciences, 2021, 22, 12633.	4.1	4
18	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

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19	Glutamate controls vessel-associated migration of GABA interneurons from the pial migratory route via NMDA receptors and endothelial protease activation. Cellular and Molecular Life Sciences, 2020, 77, 1959-1986.	5.4	21
20	Neonatal cerebral hypoxia-ischemia in mice triggers age-dependent vascular effects and disabilities in adults; implication of tissue plasminogen activator (tPA). Experimental Neurology, 2020, 323, 113087.	4.1	10
21	Why considering sexual differences is necessary when studying encephalopathy of prematurity through rodent models. European Journal of Neuroscience, 2020, 52, 2560-2574.	2.6	4
22	Intraventricular Hemorrhage in Very Preterm Infants: A Comprehensive Review. Journal of Clinical Medicine, 2020, 9, 2447.	2.4	29
23	Maternal employment and socioâ€economic status of families raising children born very preterm with motor or cognitive impairments: the EPIPAGE cohort study. Developmental Medicine and Child Neurology, 2020, 62, 1182-1190.	2.1	9
24	Hypoxia-Ischemia Induced Age-Dependent Gene Transcription Effects at Two Development Stages in the Neonate Mouse Brain. Frontiers in Molecular Neuroscience, 2020, 13, 587815.	2.9	6
25	A Proteomics-Based Analysis Reveals Predictive Biological Patterns in Fabry Disease. Journal of Clinical Medicine, 2020, 9, 1325.	2.4	18
26	Association of Chorioamnionitis with Cerebral Palsy at Two Years after Spontaneous Very Preterm Birth: The EPIPAGE-2 Cohort Study. Journal of Pediatrics, 2020, 222, 71-78.e6.	1.8	21
27	Specific cognitive correlates of the quality of life of extremely preterm school-aged children without major neurodevelopmental disability. Pediatric Research, 2020, 88, 642-652.	2.3	10
28	Risk factors associated to tobacco and alcohol use in a large French cohort of pregnant women. Archives of Women's Mental Health, 2019, 22, 267-277.	2.6	14
29	Quality of life of extremely preterm school-age children without major handicap: a cross-sectional observational study. Archives of Disease in Childhood, 2019, 104, 333-339.	1.9	33
30	Educational and health outcomes associated with bronchopulmonary dysplasia in 15-year-olds born preterm. PLoS ONE, 2019, 14, e0222286.	2.5	12
31	A new optimization strategy for MALDI FTICR MS tissue analysis for untargeted metabolomics using experimental design and data modeling. Analytical and Bioanalytical Chemistry, 2019, 411, 3891-3903.	3.7	14
32	Beneficial Effects of Remifentanil Against Excitotoxic Brain Damage in Newborn Mice. Frontiers in Neurology, 2019, 10, 407.	2.4	10
33	Association of Language Skills with Other Developmental Domains in Extremely, Very, and Moderately Preterm Children: EPIPAGE 2 Cohort Study. Journal of Pediatrics, 2019, 208, 114-120.e5.	1.8	20
34	Protection of brain development by antenatal magnesium sulphate for infants born preterm. Developmental Medicine and Child Neurology, 2019, 61, 25-30.	2.1	18
35	Metabolic causes of nonimmune hydrops fetalis: A next-generation sequencing panel as a first-line investigation. Clinica Chimica Acta, 2018, 481, 1-8.	1.1	32
36	Neurodevelopmental outcome in prenatally diagnosed isolated agenesis of the corpus callosum. Early Human Development, 2018, 116, 9-16.	1.8	29

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37	Association of Intraventricular Hemorrhage and Death With Tocolytic Exposure in Preterm Infants. JAMA Network Open, 2018, 1, e182355.	5.9	12
38	Time- and sex-dependent efficacy of magnesium sulfate to prevent behavioral impairments and cerebral damage in a mouse model of cerebral palsy. Neurobiology of Disease, 2018, 120, 151-164.	4.4	26
39	Post hemorrhagic hydrocephalus and neurodevelopmental outcomes in a context of neonatal intraventricular hemorrhage: an institutional experience in 122 preterm children. BMC Pediatrics, 2018, 18, 288.	1.7	47
40	Fetal Neuroprotection by Magnesium Sulfate: From Translational Research to Clinical Application. Frontiers in Neurology, 2018, 9, 247.	2.4	38
41	Magnesium sulfate and fetal neuroprotection: overview of clinical evidence. Neural Regeneration Research, 2018, 13, 2044.	3.0	24
42	Major remodeling of brain microvessels during neonatal period in the mouse: A proteomic and transcriptomic study. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 495-513.	4.3	15
43	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
44	Assessment of tobacco, alcohol and cannabinoid metabolites in 645 meconium samples of newborns compared to maternal self-reports. Journal of Psychiatric Research, 2017, 90, 86-93.	3.1	29
45	Tocolysis after preterm premature rupture of membranes and neonatal outcome: a propensity-score analysis. American Journal of Obstetrics and Gynecology, 2017, 217, 212.e1-212.e12.	1.3	26
46	Urinary metabolic phenotyping of mucopolysaccharidosis type I combining untargeted and targeted strategies with data modeling. Clinica Chimica Acta, 2017, 475, 7-14.	1.1	19
47	Magnesium Sulfate Prevents Neurochemical and Long-Term Behavioral Consequences of Neonatal Excitotoxic Lesions: Comparison Between Male and Female Mice. Journal of Neuropathology and Experimental Neurology, 2017, 76, 883-897.	1.7	18
48	Experimental and clinical evidence of differential effects of magnesium sulfate on neuroprotection and angiogenesis in the fetal brain. Pharmacology Research and Perspectives, 2017, 5, e00315.	2.4	16
49	PLGF, a placental marker of fetal brain defects after in utero alcohol exposure. Acta Neuropathologica Communications, 2017, 5, 44.	5.2	42
50	Neurodevelopmental outcome at 2 years for preterm children born at 22 to 34 weeksâ€™ gestation in France in 2011: EPIPAGE-2 cohort study. BMJ: British Medical Journal, 2017, 358, j3448.	2.3	317
51	Serum Magnesium Levels in Preterm Infants Are Higher Than Adult Levels: A Systematic Literature Review and Meta-Analysis. Nutrients, 2017, 9, 1125.	4.1	32
52	Assessing the neuroprotective benefits for babies of antenatal magnesium sulphate: An individual participant data meta-analysis. PLoS Medicine, 2017, 14, e1002398.	8.4	142
53	Antenatal magnesium sulphate administration for fetal neuroprotection: a French national survey. BMC Pregnancy and Childbirth, 2017, 17, 304.	2.4	13
54	Clinical Metabolomics: The New Metabolic Window for Inborn Errors of Metabolism Investigations in the Post-Genomic Era. International Journal of Molecular Sciences, 2016, 17, 1167.	4.1	92

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55	Omics-Based Strategies in Precision Medicine: Toward a Paradigm Shift in Inborn Errors of Metabolism Investigations. International Journal of Molecular Sciences, 2016, 17, 1555.	4.1	135
56	Comparison in Outcomes at Two-Years of Age of Very Preterm Infants Born in 2000, 2005 and 2010. PLoS ONE, 2015, 10, e0114567.	2.5	13
57	Antenatal Magnesium Sulfate and Outcomes for School-aged Children. JAMA - Journal of the American Medical Association, 2015, 313, 306.	7.4	8
58	Survival and Morbidity of Preterm Children Born at 22 Through 34 Weeksâ€™ Gestation in France in 2011. JAMA Pediatrics, 2015, 169, 230.	6.2	576
59	NMDA receptor blockade in the developing cortex induces autophagy-mediated death of immature cortical GABAergic interneurons: An ex vivo and in vivo study in Gad67-GFP mice. Experimental Neurology, 2015, 267, 177-193.	4.1	19
60	Ageâ€dependent alterations of the NMDA receptor developmental profile and adult behavior in postnatally ketamineâ€treated mice. Developmental Neurobiology, 2015, 75, 315-333.	3.0	20
61	Age-Dependent Neonatal Intracerebral Hemorrhage in Plasminogen Activator Inhibitor 1 Knockout Mice. Journal of Neuropathology and Experimental Neurology, 2014, 73, 387-402.	1.7	24
62	School-Age Outcomes following a Randomized Controlled Trial of Magnesium Sulfate for Neuroprotection of Preterm Infants. Journal of Pediatrics, 2014, 165, 398-400.e3.	1.8	63
63	The Efficiency of Glutamate Uptake Differs between Neonatal and Adult Cortical Microvascular Endothelial Cells. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 764-767.	4.3	12
64	Delayed language development at two years of age in very preterm infants in the Perinatal Network of Haute-Normandie. Early Human Development, 2014, 90, 891-892.	1.8	5
65	Pathophysiology of cerebral palsy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 111, 169-176.	1.8	64
66	Hypoxia-Ischemia or Excitotoxin-Induced Tissue Plasminogen Activator- Dependent Gelatinase Activation in Mice Neonate Brain Microvessels. PLoS ONE, 2013, 8, e71263.	2.5	16
67	Magnesium sulphate for women at risk of preterm birth for neuroprotection of the fetus. The Cochrane Library, 2009, , CD004661.	2.8	380
68	Neurodevelopmental disabilities and special care of 5-year-old children born before 33 weeks of gestation (the EPIPAGE study): a longitudinal cohort study. Lancet, The, 2008, 371, 813-820.	13.7	758
69	Effect of Ibotenate on Brain Development. Journal of Neuropathology and Experimental Neurology, 1995, 54, 358-370.	1.7	246