

# Olivier Baud

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10087/publications.pdf>

Version: 2024-02-01

50  
papers

3,386  
citations

201674

27  
h-index

197818

49  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain perfusion imaging in neonates. <i>NeuroImage: Clinical</i> , 2021, 31, 102756.	2.7	9
2	Survival without Bronchopulmonary Dysplasia of Extremely Preterm Infants: A Predictive Model at Birth. <i>Neonatology</i> , 2021, 118, 385-393.	2.0	14
3	mGlu3 receptor regulates microglial cell reactivity in neonatal rats. <i>Journal of Neuroinflammation</i> , 2021, 18, 13.	7.2	17
4	Bedside functional monitoring of the dynamic brain connectivity in human neonates. <i>Nature Communications</i> , 2021, 12, 1080.	12.8	50
5	Safety of Red Blood Cell Transfusion Using Small Central Lines in Neonates: An in vitro Non-inferiority Study. <i>Frontiers in Pediatrics</i> , 2021, 9, 606611.	1.9	4
6	Genetic Deletion of mGlu3 Metabotropic Glutamate Receptors Amplifies Ischemic Brain Damage and Associated Neuroinflammation in Mice. <i>Frontiers in Neurology</i> , 2021, 12, 668877.	2.4	5
7	Association between Baseline Cortisol Serum Concentrations and the Effect of Prophylactic Hydrocortisone in Extremely Preterm Infants. <i>Journal of Pediatrics</i> , 2021, 234, 65-70.e3.	1.8	16
8	Impact of Fetal Growth Restriction on the Neonatal Microglial Proteome in the Rat. <i>Nutrients</i> , 2021, 13, 3719.	4.1	4
9	Early arterial pressure monitoring and term-equivalent age MRI findings in very preterm infants. <i>Pediatric Research</i> , 2021, , .	2.3	2
10	In-line filtration in very preterm neonates: a randomized controlled trial. <i>Scientific Reports</i> , 2020, 10, 5003.	3.3	6
11	Systemic and topical glucocorticoids to prevent BPD. , 2020, , 3-19.		0
12	Prophylactic hydrocortisone in extremely preterm infants and brain MRI abnormality. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 520-525.	2.8	15
13	Editorial: Preventing Developmental Brain Injuryâ€”From Animal Models to Clinical Trials. <i>Frontiers in Neurology</i> , 2019, 10, 775.	2.4	6
14	Decreased microglial Wnt/ $\beta$ -catenin signalling drives microglial pro-inflammatory activation in the developing brain. <i>Brain</i> , 2019, 142, 3806-3833.	7.6	97
15	Diagnostic contribution of metabolic workup for neonatal inherited metabolic disorders in the absence of expanded newborn screening. <i>Scientific Reports</i> , 2019, 9, 14098.	3.3	18
16	Cord blood procalcitonin level and early-onset sepsis in extremely preterm infants. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1651-1657.	2.9	11
17	Melatonin Levels in Preterm and Term Infants and Their Mothers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2077.	4.1	35
18	Knowledge Gaps and Emerging Research Areas in Intrauterine Growth Restriction-Associated Brain Injury. <i>Frontiers in Endocrinology</i> , 2019, 10, 188.	3.5	38

#	ARTICLE	IF	CITATIONS
19	Pain, Parental Involvement, and Oxytocin in the Neonatal Intensive Care Unit. <i>Frontiers in Psychology</i> , 2019, 10, 715.	2.1	28
20	Prophylactic postnatal corticosteroids: Early hydrocortisone. <i>Seminars in Fetal and Neonatal Medicine</i> , 2019, 24, 202-206.	2.3	23
21	Hormonal Changes Associated With Intra-Uterine Growth Restriction: Impact on the Developing Brain and Future Neurodevelopment. <i>Frontiers in Endocrinology</i> , 2019, 10, 179.	3.5	39
22	Effect of Prophylaxis for Early Adrenal Insufficiency Using Low-Dose Hydrocortisone in Very Preterm Infants: An Individual Patient Data Meta-Analysis. <i>Journal of Pediatrics</i> , 2019, 207, 136-142.e5.	1.8	78
23	Oxytocin receptor agonist reduces perinatal brain damage by targeting microglia. <i>Glia</i> , 2019, 67, 345-359.	4.9	65
24	Ultrafast Doppler for neonatal brain imaging. <i>NeuroImage</i> , 2019, 185, 851-856.	4.2	44
25	Two-year neurodevelopmental outcomes of extremely preterm infants treated with early hydrocortisone: treatment effect according to gestational age at birth. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2019, 104, F30-F35.	2.8	42
26	Adaptive Spatiotemporal SVD Clutter Filtering for Ultrafast Doppler Imaging Using Similarity of Spatial Singular Vectors. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1574-1586.	8.9	203
27	Neonatal and Long-Term Consequences of Fetal Growth Restriction. <i>Current Pediatric Reviews</i> , 2018, 14, 212-218.	0.8	82
28	Prostaglandin E1-Mediated Collateral Recruitment Is Delayed in a Neonatal Rat Stroke Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2995.	4.1	6
29	A Model of Perinatal Ischemic Stroke in the Rat: 20 Years Already and What Lessons?. <i>Frontiers in Neurology</i> , 2018, 9, 650.	2.4	12
30	Sex differences in the effects of PARP inhibition on microglial phenotypes following neonatal stroke. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 375-389.	4.1	30
31	Association Between Early Low-Dose Hydrocortisone Therapy in Extremely Preterm Neonates and Neurodevelopmental Outcomes at 2 Years of Age. <i>JAMA - Journal of the American Medical Association</i> , 2017, 317, 1329.	7.4	99
32	Functional ultrasound imaging of brain activity in human newborns. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	154
33	Controlled arterial reflow after ischemia induces better outcomes in the juvenile rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3091-3096.	4.3	3
34	Spatial and temporal postural analysis in children born prematurely. <i>Gait and Posture</i> , 2017, 57, 230-235.	1.4	11
35	Transcriptomic regulations in oligodendroglial and microglial cells related to brain damage following fetal growth restriction. <i>Glia</i> , 2016, 64, 2306-2320.	4.9	61
36	Cyclooxygenase-2-Derived Prostaglandins Mediate Cerebral Microcirculation in a Juvenile Ischemic Rat Model. <i>Stroke</i> , 2016, 47, 3048-3052.	2.0	11

#	ARTICLE	IF	CITATIONS
37	Melatonin and the newborn brain. <i>Early Human Development</i> , 2016, 102, 1-3.	1.8	32
38	Effect of early low-dose hydrocortisone on survival without bronchopulmonary dysplasia in extremely preterm infants (PREMILOC): a double-blind, placebo-controlled, multicentre, randomised trial. <i>Lancet, The</i> , 2016, 387, 1827-1836.	13.7	261
39	Impact of inhaled nitric oxide on white matter damage in growth-restricted neonatal rats. <i>Pediatric Research</i> , 2015, 77, 563-569.	2.3	35
40	Subjective Visual Vertical and Postural Capability in Children Born Prematurely. <i>PLoS ONE</i> , 2015, 10, e0121616.	2.5	15
41	Survival and Morbidity of Preterm Children Born at 22 Through 34 Weeksâ€™ Gestation in France in 2011. <i>JAMA Pediatrics</i> , 2015, 169, 230.	6.2	576
42	Spatiotemporal Clutter Filtering of Ultrafast Ultrasound Data Highly Increases Doppler and Ultrasound Sensitivity. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2271-2285.	8.9	661
43	Intrauterine Growth Restriction, Head Size at Birth, and Outcome in Very Preterm Infants. <i>Journal of Pediatrics</i> , 2015, 167, 975-981.e2.	1.8	32
44	Ultrafast Doppler Reveals the Mapping of Cerebral Vascular Resistivity in Neonates. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1009-1017.	4.3	71
45	Is melatonin ready to be used in preterm infants as a neuroprotectant?. <i>Developmental Medicine and Child Neurology</i> , 2014, 56, 717-723.	2.1	66
46	Dynamic Spatio-Temporal Imaging of Early Reflow in a Neonatal Rat Stroke Model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 137-145.	4.3	16
47	Inhaled Nitric Oxide Reduces Brain Damage by Collateral Recruitment in a Neonatal Stroke Model. <i>Stroke</i> , 2012, 43, 3078-3084.	2.0	67
48	Impact of intracranial blood-flow redistribution on stroke size during ischemiaâ€™reperfusion in 7-day-old rats. <i>Journal of Neuroscience Methods</i> , 2011, 198, 103-109.	2.5	39
49	Moderate growth restriction: Deleterious and protective effects on white matter damage. <i>Neurobiology of Disease</i> , 2007, 26, 253-263.	4.4	69
50	Gestational Hypoxia Induces White Matter Damage in Neonatal Rats: A New Model of Periventricular Leukomalacia. <i>Brain Pathology</i> , 2004, 14, 1-10.	4.1	107