

# Mats Blennow

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

4,296  
citations

172457

29  
h-index

206112

48  
g-index

49  
all docs

49  
docs citations

49  
times ranked

4840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resting-state networks in the infant brain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15531-15536.	7.1	586
2	The Functional Architecture of the Infant Brain as Revealed by Resting-State fMRI. Cerebral Cortex, 2011, 21, 145-154.	2.9	447
3	Neurodevelopmental Outcome in Extremely Preterm Infants at 2.5 Years After Active Perinatal Care in Sweden. JAMA - Journal of the American Medical Association, 2013, 309, 1810.	7.4	440
4	Early surfactant administration with brief ventilation vs. selective surfactant and continued mechanical ventilation for preterm infants with or at risk for respiratory distress syndrome. The Cochrane Library, 2008, 2008, CD003063.	2.8	350
5	Bumetanide for the treatment of seizures in newborn babies with hypoxic ischaemic encephalopathy (NEMO): an open-label, dose finding, and feasibility phase 1/2 trial. Lancet Neurology, The, 2015, 14, 469-477.	10.2	208
6	Spontaneous Brain Activity in the Newborn Brain During Natural Sleep—An fMRI Study in Infants Born at Full Term. Pediatric Research, 2009, 66, 301-305.	2.3	201
7	Transport of Methylmercury and Inorganic Mercury to the Fetus and Breast-Fed Infant. Environmental Health Perspectives, 2005, 113, 1381-1385.	6.0	136
8	A Novel Magnetic Resonance Imaging Score Predicts Neurodevelopmental Outcome After Perinatal Asphyxia and Therapeutic Hypothermia. Journal of Pediatrics, 2018, 192, 33-40.e2.	1.8	125
9	Brain Growth Gains and Losses in Extremely Preterm Infants at Term. Cerebral Cortex, 2015, 25, 1897-1905.	2.9	124
10	Excitatory amino acids in the cerebrospinal fluid of asphyxiated infants: relationship to hypoxic-ischemic encephalopathy. Acta Paediatrica, International Journal of Paediatrics, 1993, 82, 925-929.	1.5	121
11	Neonatal Magnetic Resonance Imaging and Outcome at Age 30 Months in Extremely Preterm Infants. Journal of Pediatrics, 2012, 160, 559-566.e1.	1.8	103
12	Passive induction of hypothermia during transport of asphyxiated infants: a risk of excessive cooling. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 942-946.	1.5	85
13	Early Development of Spatial Patterns of Power-Law Frequency Scaling in fMRI Resting-State and EEG Data in the Newborn Brain. Cerebral Cortex, 2013, 23, 638-646.	2.9	85
14	Sex Differences in Outcome and Associations with Neonatal Brain Morphology in Extremely Preterm Children. Journal of Pediatrics, 2014, 164, 1012-1018.	1.8	85
15	White matter changes in extremely preterm infants, a population-based diffusion tensor imaging study. Acta Paediatrica, International Journal of Paediatrics, 2010, 99, 842-849.	1.5	80
16	<sc>EXPRESS</sc> study shows significant regional differences in 1-year outcome of extremely preterm infants in <sc>S</sc>weden. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 27-37.	1.5	79
17	A machine-learning algorithm for neonatal seizure recognition: a multicentre, randomised, controlled trial. The Lancet Child and Adolescent Health, 2020, 4, 740-749.	5.6	79
18	Continuous Feeding Promotes Gastrointestinal Tolerance and Growth in Very Low Birth Weight Infants. Journal of Pediatrics, 2005, 147, 43-49.	1.8	77

#	ARTICLE	IF	CITATIONS
19	Intensity of Perinatal Care for Extremely Preterm Infants: Outcomes at 2.5 Years. <i>Pediatrics</i> , 2015, 135, e1163-e1172.	2.1	75
20	Continuous Positive Airway Pressure and Surfactant. <i>Neonatology</i> , 2008, 93, 309-315.	2.0	65
21	Spontaneous Breathing or Mechanical Ventilation Alters Lung Compliance and Tissue Association of Exogenous Surfactant in Preterm Newborn Rabbits. <i>Pediatric Research</i> , 2005, 57, 624-630.	2.3	62
22	Characterisation of neonatal seizures and their treatment using continuous EEG monitoring: a multicentre experience. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2019, 104, F493-F501.	2.8	57
23	Moderate neonatal encephalopathy: Pre- and perinatal risk factors and long-term outcome. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2008, 87, 503-509.	2.8	56
24	Role of EEG background activity, seizure burden and MRI in predicting neurodevelopmental outcome in full-term infants with hypoxic-ischaemic encephalopathy in the era of therapeutic hypothermia. <i>European Journal of Paediatric Neurology</i> , 2016, 20, 855-864.	1.6	55
25	Lactate dehydrogenase predicts hypoxic ischaemic encephalopathy in newborn infants: a preliminary study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2010, 99, 1139-1144.	1.5	51
26	Brain abnormalities in extremely low gestational age infants: a Swedish population based MRI study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2007, 96, 979-984.	1.5	45
27	Dynamics of hepatic enzyme activity following birth asphyxia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2006, 95, 1405-1411.	1.5	37
28	White matter microstructure is influenced by extremely preterm birth and neonatal respiratory factors. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014, 103, 48-56.	1.5	37
29	A pilot study of inhaled nitric oxide in preterm infants treated with nasal continuous positive airway pressure for respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2005, 31, 959-964.	8.2	30
30	Surfactant and Noninvasive Ventilation. <i>Neonatology</i> , 2015, 107, 330-336.	2.0	30
31	Lateral Ventricular Size in Extremely Premature Infants: 3D MRI Confirms 2D Ultrasound Measurements. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 360-366.	1.5	29
32	Experiences of Parents Whose Newborns Undergo Hypothermia Treatment Following Perinatal Asphyxia. <i>JOGNN - Journal of Obstetric, Gynecologic, and Neonatal Nursing</i> , 2013, 42, 38-47.	0.5	29
33	Neonatal Seizure Management: Is the Timing of Treatment Critical?. <i>Journal of Pediatrics</i> , 2022, 243, 61-68.e2.	1.8	27
34	The acoustic hood: a patient-independent device improving acoustic noise protection during neonatal magnetic resonance imaging. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009, 98, 1278-1283.	1.5	26
35	Aortic dissection in pregnancy: A life-threatening disease and a diagnosis of worth considering. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2009, 88, 1167-1170.	2.8	26
36	A Novel Scoring System for Term-Equivalent-Age Cranial Ultrasound in Extremely Preterm Infants. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 786-794.	1.5	20

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37	Bumetanide for neonatal seizuresâ€”back from the cotside. <i>Nature Reviews Neurology</i> , 2015, 11, 724-724.	10.1	18
38	Continuous subcutaneous glucose monitoring is accurate in term and nearâ€”term infants at risk of hypoglycaemia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 917-923.	1.5	17
39	Accuracy of pulse oximetry in preterm and term infants is insufficient to determine arterial oxygen saturation and tension. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020, 109, 2251-2257.	1.5	17
40	When Helping Babies Breathe Is Not Enough: Designing a Novel, Mid-Level Neonatal Resuscitation Algorithm for MÃ©decins Sans FrontiÃ©res Field Teams Working in Low-Resource Hospital Settings. <i>Neonatology</i> , 2018, 114, 112-123.	2.0	14
41	Pilot evaluation of the population pharmacokinetics of bumetanide in term newborn infants with seizures. <i>Journal of Clinical Pharmacology</i> , 2016, 56, 284-290.	2.0	13
42	Acute kidney injury in infants with hypothermiaâ€”treated hypoxicâ€”ischaemic encephalopathy: An observational populationâ€”based study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2022, 111, 86-92.	1.5	13
43	Effect of Needle Aspiration of Pneumothorax on Subsequent Chest Drain Insertion in Newborns. <i>JAMA Pediatrics</i> , 2018, 172, 664.	6.2	12
44	Swedish consensus reached on recording, interpretation and reporting of neonatal continuous simplified electroencephalography that is supported by amplitudeâ€”integrated trend analysis. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 1702-1709.	1.5	8
45	The European Database for Subspecialist Training in Neonatology â€” Transparency Achieved. <i>Neonatology</i> , 2013, 103, 74-82.	2.0	7
46	Parental viewpoints and experiences of therapeutic hypothermia in a neonatal intensive care unit implemented with Familyâ€”Centred Care. <i>Journal of Clinical Nursing</i> , 2020, 29, 4194-4202.	3.0	5
47	Cochrane review: Early surfactant administration with brief ventilation vs. selective surfactant and continued mechanical ventilation for preterm infants with or at risk for respiratory distress syndrome. <i>Evidence-Based Child Health: A Cochrane Review Journal</i> , 2010, 5, 82-115.	2.0	3
48	Association of traction force and adverse neonatal outcome in vacuumâ€”assisted vaginal delivery: A prospective cohort study. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020, 99, 1710-1716.	2.8	1
49	Navigating a Mid-Level Gap in Neonatal Resuscitation. <i>Neonatology</i> , 2018, 114, 362-363.	2.0	0