

# Nathalie Maitre

## List of Publications by Year in descending order

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108  
papers

3,894  
citations

159585

30  
h-index

144013

57  
g-index

108  
all docs

108  
docs citations

108  
times ranked

3531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early, Accurate Diagnosis and Early Intervention in Cerebral Palsy. JAMA Pediatrics, 2017, 171, 897.	6.2	898
2	Mortality, In-Hospital Morbidity, Care Practices, and 2-Year Outcomes for Extremely Preterm Infants in the US, 2013-2018. JAMA - Journal of the American Medical Association, 2022, 327, 248.	7.4	222
3	Bronchopulmonary Dysplasia and Perinatal Characteristics Predict 1-Year Respiratory Outcomes in Newborns Born at Extremely Low Gestational Age: A Prospective Cohort Study. Journal of Pediatrics, 2017, 187, 89-97.e3.	1.8	158
4	Early Intervention for Children Aged 0 to 2 Years With or at High Risk of Cerebral Palsy. JAMA Pediatrics, 2021, 175, 846.	6.2	147
5	The Dual Nature of Early-Life Experience on Somatosensory Processing in the Human Infant Brain. Current Biology, 2017, 27, 1048-1054.	3.9	138
6	Adverse neurodevelopmental outcomes after exposure to phenobarbital and levetiracetam for the treatment of neonatal seizures. Journal of Perinatology, 2013, 33, 841-846.	2.0	106
7	A Pacifier-Activated Music Player With Mother's Voice Improves Oral Feeding in Preterm Infants. Pediatrics, 2014, 133, 462-468.	2.1	98
8	Electrophysiological Maturation of Cerebral Organoids Correlates with Dynamic Morphological and Cellular Development. Stem Cell Reports, 2020, 15, 855-868.	4.8	94
9	Respiratory consequences of prematurity: evolution of a diagnosis and development of a comprehensive approach. Journal of Perinatology, 2015, 35, 313-321.	2.0	80
10	Neurodevelopmental Outcome of Infants With Unilateral or Bilateral Periventricular Hemorrhagic Infarction. Pediatrics, 2009, 124, e1153-e1160.	2.1	79
11	Implementation of Early Diagnosis and Intervention Guidelines for Cerebral Palsy in a High-Risk Infant Follow-Up Clinic. Pediatric Neurology, 2017, 76, 66-71.	2.1	77
12	Prematurity and respiratory outcomes program (PROP): study protocol of a prospective multicenter study of respiratory outcomes of preterm infants in the United States. BMC Pediatrics, 2015, 15, 37.	1.7	76
13	Initial Laparotomy Versus Peritoneal Drainage in Extremely Low Birthweight Infants With Surgical Necrotizing Enterocolitis or Isolated Intestinal Perforation. Annals of Surgery, 2021, 274, e370-e380.	4.2	62
14	Hydrocortisone to Improve Survival without Bronchopulmonary Dysplasia. New England Journal of Medicine, 2022, 386, 1121-1131.	27.0	62
15	Network Implementation of Guideline for Early Detection Decreases Age at Cerebral Palsy Diagnosis. Pediatrics, 2020, 145, e20192126.	2.1	60
16	Stronger and More Vulnerable: A Balanced View of the Impacts of the NICU Experience on Parents. Pediatrics, 2016, 138, .	2.1	58
17	Parenting style impacts cognitive and behavioural outcomes of former preterm infants: A systematic review. Child: Care, Health and Development, 2018, 44, 507-515.	1.7	58
18	The potential role for prolactin-inducible protein (PIP) as a marker of human breast cancer micrometastasis. British Journal of Cancer, 1999, 81, 1002-1008.	6.4	57

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19	Detection of occult breast cancer micrometastases in axillary lymph nodes using a multimer reverse transcriptase-polymerase chain reaction panel. <i>Journal of the American College of Surgeons</i> , 1998, 187, 9-16.	0.5	55
20	Implementation of the Hammersmith Infant Neurological Examination in a High-Risk Infant Follow-Up Program. <i>Pediatric Neurology</i> , 2016, 65, 31-38.	2.1	54
21	Neuroimaging identifies increased manganese deposition in infants receiving parenteral nutrition. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 1482-1489.	4.7	49
22	Abnormal sensory reactivity in preterm infants during the first year correlates with adverse neurodevelopmental outcomes at 2 years of age. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F475-F479.	2.8	44
23	Black Race Is Associated with a Lower Risk of Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2019, 207, 130-135.e2.	1.8	42
24	Novel Assessment of Cortical Response to Somatosensory Stimuli in Children With Hemiparetic Cerebral Palsy. <i>Journal of Child Neurology</i> , 2012, 27, 1276-1283.	1.4	41
25	Behavioral and Physiological Signs for Pain Assessment in Preterm and Term Neonates During a Nociception-Specific Response: A Systematic Review. <i>Pediatric Neurology</i> , 2019, 90, 13-23.	2.1	41
26	Early prediction of cerebral palsy after neonatal intensive care using motor development trajectories in infancy. <i>Early Human Development</i> , 2013, 89, 781-786.	1.8	39
27	Cortical speech sound differentiation in the neonatal intensive care unit predicts cognitive and language development in the first 2 years of life. <i>Developmental Medicine and Child Neurology</i> , 2013, 55, 834-839.	2.1	39
28	Comparing parent and provider priorities in discussions of early detection and intervention for infants with and at risk of cerebral palsy. <i>Child: Care, Health and Development</i> , 2019, 45, 799-807.	1.7	37
29	Hammersmith Infant Neurological Examination Asymmetry Score Distinguishes Hemiplegic Cerebral Palsy From Typical Development. <i>Pediatric Neurology</i> , 2018, 87, 70-74.	2.1	35
30	Neurorehabilitation after neonatal intensive care: evidence and challenges. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015, 100, F534-F540.	2.8	34
31	Vision Assessments and Interventions for Infants 0-2 Years at High Risk for Cerebral Palsy: A Systematic Review. <i>Pediatric Neurology</i> , 2017, 76, 3-13.	2.1	32
32	Influence of gestational age and postnatal age on speech sound processing in NICU infants. <i>Psychophysiology</i> , 2012, 49, 720-731.	2.4	31
33	Respiratory Medications in Infants <29 Weeks during the First Year Postdischarge: The Prematurity and Respiratory Outcomes Program (PROP) Consortium. <i>Journal of Pediatrics</i> , 2019, 208, 148-155.e3.	1.8	31
34	Acute Responses to Diuretic Therapy in Extremely Low Gestational Age Newborns: Results from the Prematurity and Respiratory Outcomes Program Cohort Study. <i>Journal of Pediatrics</i> , 2018, 197, 42-47.e1.	1.8	30
35	Pulmonary sequelae and functional limitations in children and adults with bronchopulmonary dysplasia. <i>Paediatric Respiratory Reviews</i> , 2018, 26, 55-59.	1.8	30
36	Neonatal carotid repair at ECMO decannulation: patency rates and early neurologic outcomes. <i>Journal of Pediatric Surgery</i> , 2015, 50, 64-68.	1.6	29

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37	Randomized controlled trial protocol to improve multisensory neural processing, language and motor outcomes in preterm infants. <i>BMC Pediatrics</i> , 2019, 19, 81.	1.7	28
38	Somatosensory Plasticity in Pediatric Cerebral Palsy following Constraint-Induced Movement Therapy. <i>Neural Plasticity</i> , 2018, 2018, 1-14.	2.2	27
39	Early prediction of spontaneous Patent Ductus Arteriosus (PDA) closure and PDA-associated outcomes: a prospective cohort investigation. <i>BMC Pediatrics</i> , 2019, 19, 333.	1.7	26
40	Predictive Models of Neurodevelopmental Outcomes After Neonatal Hypoxic-Ischemic Encephalopathy. <i>Pediatrics</i> , 2021, 147, .	2.1	24
41	Early childhood constraint therapy for sensory/motor impairment in cerebral palsy: a randomised clinical trial protocol. <i>BMJ Open</i> , 2015, 5, e010212.	1.9	23
42	Kinematic and Somatosensory Gains in Infants with Cerebral Palsy After a Multi-Component Upper-Extremity Intervention: A Randomized Controlled Trial. <i>Brain Topography</i> , 2020, 33, 751-766.	1.8	22
43	Feasibility of a Team Approach to Complex Congenital Heart Defect Neurodevelopmental Follow-Up. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, 432-440.	2.2	21
44	Cry presence and amplitude do not reflect cortical processing of painful stimuli in newborns with distinct responses to touch or cold. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2017, 102, F428-F433.	2.8	21
45	Neonatal Multisensory Processing in Preterm and Term Infants Predicts Sensory Reactivity and Internalizing Tendencies in Early Childhood. <i>Brain Topography</i> , 2020, 33, 586-599.	1.8	21
46	Increasing F2-isoprostanes in the first month after birth predicts poor respiratory and neurodevelopmental outcomes in very preterm infants. <i>Journal of Perinatology</i> , 2016, 36, 779-783.	2.0	20
47	Modeling Human Brain Circuitry Using Pluripotent Stem Cell Platforms. <i>Frontiers in Pediatrics</i> , 2019, 7, 57.	1.9	20
48	Acute and Chronic Placental Abnormalities in a Multicenter Cohort of Newborn Infants with Hypoxic-Ischemic Encephalopathy. <i>Journal of Pediatrics</i> , 2021, 237, 190-196.	1.8	19
49	Prenatal Exposures Are Associated With Worse Neurodevelopmental Outcomes in Infants With Neonatal Opioid Withdrawal Syndrome. <i>Frontiers in Pediatrics</i> , 2020, 8, 462.	1.9	18
50	Speech and language interventions for infants aged 0 to 2 years at high risk for cerebral palsy: a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 355-360.	2.1	17
51	Standardized Neurodevelopmental Surveillance of High-risk Infants Using Telehealth: Implementation Study during COVID-19. <i>Pediatric Quality &amp; Safety</i> , 2021, 6, e439.	0.8	17
52	Pulmonary hypertension in the premature infant population: Analysis of echocardiographic findings and biomarkers. <i>Pediatric Pulmonology</i> , 2018, 53, 302-309.	2.0	16
53	Effects of Caffeine Treatment for Apnea of Prematurity on Cortical Speech-Sound Differentiation in Preterm Infants. <i>Journal of Child Neurology</i> , 2015, 30, 307-313.	1.4	15
54	Hemisphere Differences in Speech-Sound Event-Related Potentials in Intensive Care Neonates. <i>Journal of Child Neurology</i> , 2014, 29, 903-911.	1.4	14

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55	Perspectives from the Society for Pediatric Research. Neonatal encephalopathy clinical trials: developing the future. <i>Pediatric Research</i> , 2021, 89, 74-84.	2.3	14
56	Feasibility of event-related potential methodology to evaluate changes in cortical processing after rehabilitation in children with cerebral palsy: A pilot study. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2014, 36, 669-679.	1.3	13
57	A randomised controlled trial of protocolised music therapy demonstrates developmental milestone acquisition in hospitalised infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 828-834.	1.5	13
58	Neurological and developmental outcomes following neonatal encephalopathy treated with therapeutic hypothermia. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101274.	2.3	13
59	Feasibility of event-related potential (ERP) biomarker use to study effects of mother's voice exposure on speech sound differentiation of preterm infants. <i>Developmental Neuropsychology</i> , 2018, 43, 123-134.	1.4	12
60	Assessments and Interventions for Spasticity in Infants With or at High Risk for Cerebral Palsy: A Systematic Review. <i>Pediatric Neurology</i> , 2021, 118, 72-90.	2.1	12
61	Neuroprotection for Premature Infants?. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 304-5.	7.4	11
62	Gabapentin Use for Hospitalized Neonates. <i>Pediatric Neurology</i> , 2019, 97, 64-70.	2.1	11
63	MR Imaging Scoring System for White Matter Injury after Deep Medullary Vein Thrombosis and Infarction in Neonates. <i>American Journal of Neuroradiology</i> , 2019, 40, 347-352.	2.4	10
64	Resilience and vulnerability in very preterm 4-year-olds. <i>Clinical Neuropsychologist</i> , 2021, 35, 904-924.	2.3	10
65	Feeding outcomes and parent perceptions after the pacifier-activated music player with mother's voice trial. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, e372-4.	1.5	9
66	Protocol and Feasibility-Randomized Trial of Telehealth Delivery for a Multicomponent Upper Extremity Intervention in Infants With Asymmetric Cerebral Palsy. <i>Child Neurology Open</i> , 2020, 7, 2329048X2094621.	1.1	9
67	Outcomes in infants < 29 weeks of gestation following single-dose prophylactic indomethacin. <i>Journal of Perinatology</i> , 2021, 41, 109-118.	2.0	9
68	Characteristics of the Frequency-Following Response to Speech in Neonates and Potential Applicability in Clinical Practice: A Systematic Review. <i>Journal of Speech, Language, and Hearing Research</i> , 2020, 63, 1618-1635.	1.6	9
69	Validation of a brain MRI relaxometry protocol to measure effects of preterm birth at a flexible postnatal age. <i>BMC Pediatrics</i> , 2014, 14, 84.	1.7	8
70	A parent-infant music therapy intervention to improve neurodevelopment after neonatal intensive care. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 1703-1704.	1.5	8
71	Parenting style associations with sensory threshold and behaviour: a prospective cohort study in term/preterm infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1616-1623.	1.5	8
72	Assessments and Interventions for Sleep Disorders in Infants With or at High Risk for Cerebral Palsy: A Systematic Review. <i>Pediatric Neurology</i> , 2021, 118, 57-71.	2.1	8

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73	Quantitative Assessment of Cortical Auditory-tactile Processing in Children with Disabilities. <i>Journal of Visualized Experiments</i> , 2014, , e51054.	0.3	7
74	Comparison of Cerebral Palsy Severity Between 2 Eras of Antenatal Magnesium Use. <i>JAMA Pediatrics</i> , 2019, 173, 188.	6.2	7
75	Human metapneumovirus in the preterm neonate: current perspectives. <i>Research and Reports in Neonatology</i> , 2016, Volume 6, 41-49.	0.2	6
76	Skepticism, cerebral palsy, and the General Movements Assessment. <i>Developmental Medicine and Child Neurology</i> , 2018, 60, 438-438.	2.1	6
77	Deep Medullary Vein White Matter Injury Global Severity Score Predicts Neurodevelopmental Impairment. <i>Journal of Child Neurology</i> , 2021, 36, 253-261.	1.4	6
78	Continuous epidural chloroprocaine after abdominal surgery is associated with lower postoperative opioid exposure in NICU infants. <i>Journal of Pediatric Surgery</i> , 2022, 57, 683-689.	1.6	6
79	Neonatal Vein of LabbÃ© Infarction Size is Associated With Long-Term Language Outcomes. <i>Pediatric Neurology</i> , 2017, 72, 70-75.e1.	2.1	5
80	Standardized music therapy with and without acclimatization, to improve EEG data acquisition in young children with and without disability. <i>Journal of Neuroscience Methods</i> , 2019, 321, 12-19.	2.5	5
81	Daily and Weekly Rehabilitation Delivery for Young Children With Gross Motor Delay: A Randomized Clinical Trial Protocol (the DRIVE Study). <i>Pediatric Physical Therapy</i> , 2019, 31, 217-224.	0.6	5
82	Caregiver perception of hand function in infants with cerebral palsy: psychometric properties of the Infant Motor Activity Log. <i>Developmental Medicine and Child Neurology</i> , 2020, 62, 1266-1273.	2.1	5
83	A Systematic Review of Assessments and Interventions for Chronic Pain in Young Children With or at High Risk for Cerebral Palsy. <i>Journal of Child Neurology</i> , 2021, 36, 697-710.	1.4	5
84	Parenteral Nutrition as an Unexpected and Preventable Source of Mercury Exposure in Preterm Infants. <i>Journal of Pediatrics</i> , 2015, 166, 1533-1535.	1.8	4
85	Music therapy for neonatal stress and painâ€”music to our ears. <i>Journal of Perinatology</i> , 2020, 40, 1734-1735.	2.0	4
86	Predictors of Neurodevelopmental Impairment After Neonatal Bacterial Meningitis. <i>Journal of Child Neurology</i> , 2021, 36, 968-973.	1.4	4
87	School Readiness in 4-Year-Old Very Preterm Children. <i>Children</i> , 2022, 9, 323.	1.5	4
88	Hand Function at 18-22ÂMonths Is Associated with School-Age Manual Dexterity and Motor Performance in Children Born Extremely Preterm. <i>Journal of Pediatrics</i> , 2020, 225, 51-57.e3.	1.8	3
89	Regional anesthesia in neonates and infants outside the immediate perioperative period: A systematic review of studies with efficacy and safety considerations. <i>Paediatric Anaesthesia</i> , 2021, 31, 132-144.	1.1	3
90	Hammersmith Infant Neurological Examination Clinical Use to Recommend Therapist Assessment of Functional Hand Asymmetries. <i>Pediatric Physical Therapy</i> , 2021, 33, 200-206.	0.6	3

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91	Intrauterine drug exposure as a risk factor for cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2022, 64, 453-461.	2.1	3
92	“High-risk for cerebral palsy” designation: A clinical consensus statement. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2022, 15, 165-174.	0.5	3
93	Manganese Neurotoxicity may Underlie the Association between Early Life Iron Deficiency and Impaired Spatial Cognition in Neonatal Piglets. <i>Journal of Nutrition</i> , 2013, 143, 548-548.	2.9	2
94	Sleep, cognition and executive functioning in young children with cerebral palsy. <i>Advances in Child Development and Behavior</i> , 2021, 60, 285-314.	1.3	2
95	Neurodevelopmental outcome of preterm infants enrolled in myo-inositol randomized controlled trial. <i>Journal of Perinatology</i> , 2021, 41, 2072-2087.	2.0	2
96	Hearing Loss Diagnosis and Early Hearing-Related Interventions in Infants With or at High Risk for Cerebral Palsy: A Systematic Review. <i>Journal of Child Neurology</i> , 2021, 36, 919-929.	1.4	2
97	Randomized Trial to Increase Speech Sound Differentiation in Infants Born Preterm. <i>Journal of Pediatrics</i> , 2022, 241, 103-108.e3.	1.8	2
98	The Autism Detection in Early Childhood Tool: Level 2 autism spectrum disorder screening in a NICU Follow-up program. , 2021, 65, 101650.		2
99	Cerebral perfusion and neurological examination characterise neonatal opioid withdrawal syndrome: a prospective cohort study. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2021, , fetalneonatal-2021-322192.	2.8	2
100	One-Year Neurodevelopmental Outcomes After Neonatal Opioid Withdrawal Syndrome: A Prospective Cohort Study. <i>Perspectives of the ASHA Special Interest Groups</i> , 2022, 7, 1019-1032.	0.8	2
101	Manganese and Parenteral Nutrition. <i>Issues in Toxicology</i> , 2014, , 403-425.	0.1	1
102	Effects of two non-invasive continuous positive pressure devices on the acoustic environment of preterm infants. <i>Journal of Neonatal Nursing</i> , 2020, 26, 167-170.	0.7	1
103	Impact of the Coronavirus Pandemic on High-Risk Infant Follow-Up (HRIF) Programs: A Survey of Academic Programs. <i>Children</i> , 2021, 8, 889.	1.5	1
104	Use of Antenatal Corticosteroids for Risk of Preterm Birth—Is Timing Everything?. <i>JAMA Pediatrics</i> , 2022, , e220480.	6.2	1
105	Stakeholder engagement in neonatal clinical trials: an opportunity for mild neonatal encephalopathy research. <i>Pediatric Research</i> , 2023, 93, 4-6.	2.3	1
106	Effect of 15-Deoxyspergualine on Antigen-Specific Lymphocyte Activation Measured by CD69 Expression. <i>Clinical Immunology and Immunopathology</i> , 1997, 85, 109-111.	2.0	0
107	ISDN2014_0275: REMOVED: Multisensory processing in immature brains: ERP evidence of distinct auditory “somatosensory integration patterns in preterm and newborn infants. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 81-81.	1.6	0
108	Navigating success for early stage investigators—practical words of advice. <i>Pediatric Research</i> , 2020, , .	2.3	0