Floris Groenendaal

List of Publications by Year in descending order

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446	20,129	11908	25983
papers	citations	72 h-index	112 g-index

469	469	469	13340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mammillary body injury in neonatal encephalopathy: a multicentre, retrospective study. Pediatric Research, 2022, 92, 174-179.	1.1	14
2	Brain proton magnetic resonance spectroscopy and neurodevelopment after preterm birth: a systematic review. Pediatric Research, 2022, 91, 1322-1333.	1.1	7
3	Early motor outcomes in infants with critical congenital heart disease are related to neonatal brain development and brain injury. Developmental Medicine and Child Neurology, 2022, 64, 192-199.	1.1	17
4	Comment on â€˜value of cranial ultrasound at initiation of therapeutic hypothermia for neonatal encephalopathyâ€™. Journal of Perinatology, 2022, 42, 418-419.	0.9	1
5	Hypoglycemia in Infants with Hypoxic-Ischemic Encephalopathy Is Associated with Additional Brain Injury and Worse Neurodevelopmental Outcome. Journal of Pediatrics, 2022, 245, 30-38.e1.	0.9	13
6	Bimanual performance in children with unilateral perinatal arterial ischaemic stroke or periventricular haemorrhagic infarction. European Journal of Paediatric Neurology, 2022, 37, 46-52.	0.7	1
7	CeRebrUm and Cardiac Protection with ALlopurinol in Neonates with Critical Congenital Heart Disease Requiring Cardiac Surgery with Cardiopulmonary Bypass (CRUCIAL): study protocol of a phase III, randomized, quadruple-blinded, placebo-controlled, Dutch multicenter trial. Trials, 2022, 23, 174.	0.7	5
8	Magnetic Resonance Imaging in (Near-)Term Infants with Hypoxic-Ischemic Encephalopathy. Diagnostics, 2022, 12, 645.	1.3	19
9	Outcome Prediction and Inter-Rater Comparison of Four Brain Magnetic Resonance Imaging Scoring Systems of Infants with Perinatal Asphyxia and Therapeutic Hypothermia. Neonatology, 2022, 119, 311-319.	0.9	7
10	Corpus callosum injury after neurosurgical intervention for posthemorrhagic ventricular dilatation and association with neurodevelopmental outcome at 2 years. Journal of Neurosurgery: Pediatrics, 2022, 30, 31-38.	0.8	0
11	Outcome of non-cooled asphyxiated infants with under-recognised or delayed-onset encephalopathy. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 364-370.	1.4	6
12	The Mammillary Bodies: A Review of Causes of Injury in Infants and Children. American Journal of Neuroradiology, 2022, 43, 802-812.	1.2	18
13	Feasibility and safety of intranasally administered mesenchymal stromal cells after perinatal arterial ischaemic stroke in the Netherlands (PASSIoN): a first-in-human, open-label intervention study. Lancet Neurology, The, 2022, 21, 528-536.	4.9	50
14	Autopsy in a neonatal intensive care unit: do we still need it in 2022?. Jornal De Pediatria, 2022, 98, 442-442.	0.9	0
15	Die AAMBI-Studie (Asphyxia Associated Metabolite Biomarker Investigation): Ergebnisse im Neugeborenenalter und mit 22â€“42 Monaten. Zeitschrift Fur Geburtshilfe Und Neonatologie, 2022, , .	0.2	0
16	Serum Creatinine Patterns in Neonates Treated with Therapeutic Hypothermia for Neonatal Encephalopathy. Neonatology, 2022, 119, 686-694.	0.9	8
17	Prognostic models versus single risk factor approach in firstâ€trimester selective screening for gestational diabetes mellitus: a prospective populationâ€based multicentre cohort study. BJOG: an International Journal of Obstetrics and Gynaecology, 2021, 128, 645-654.	1.1	15
18	Increase in treatment of retinopathy of prematurity in the Netherlands from 2010 to 2017. Acta Ophthalmologica, 2021, 99, 97-103.	0.6	7

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19	Cerebellar injury in term neonates with hypoxicâ€“ischemic encephalopathy is underestimatedÂ. Pediatric Research, 2021, 89, 1171-1178.	1.1	12
20	Background incidence rates of adverse pregnancy outcomes in the Netherlands: Data of 2006â€“2018. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2021, 256, 274-280.	0.5	3
21	Survival and causes of death in extremely preterm infants in the Netherlands. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 251-257.	1.4	27
22	Risk Factors for Retinopathy of Prematurity in the Netherlands: A Comparison of Two Cohorts. Neonatology, 2021, 118, 462-469.	0.9	7
23	Pathophysiology of Cerebral Hyperperfusion in Term Neonates With Hypoxic-Ischemic Encephalopathy: A Systematic Review for Future Research. Frontiers in Pediatrics, 2021, 9, 631258.	0.9	21
24	Effect of therapeutic hypothermia on renal and myocardial function in asphyxiated (near) term neonates: A systematic review and meta-analysis. PLoS ONE, 2021, 16, e0247403.	1.1	19
25	Mammillary body atrophy and other MRI correlates of school-age outcome following neonatal hypoxic-ischemic encephalopathy. Scientific Reports, 2021, 11, 5017.	1.6	22
26	Implementation of a first-trimester prognostic model to improve screening for gestational diabetes mellitus. BMC Pregnancy and Childbirth, 2021, 21, 298.	0.9	2
27	Management of comfort and sedation in neonates with neonatal encephalopathy treated with therapeutic hypothermia. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101264.	1.1	12
28	Timing of Intervention for Posthemorrhagic Ventricular Dilatation: An Ongoing Debate. Journal of Pediatrics, 2021, 234, 14-16.	0.9	5
29	Post-hemorrhagic ventricular dilatation affects white matter maturation in extremely preterm infants. Pediatric Research, 2021, , .	1.1	1
30	Serum docosahexaenoic acid levels are associated with brain volumes in extremely preterm born infants. Pediatric Research, 2021, , .	1.1	11
31	A prospective population-based multicentre study on the impact of maternal body mass index on adverse pregnancy outcomes: Focus on normal weight. PLoS ONE, 2021, 16, e0257722.	1.1	6
32	Intraparenchymal hemorrhage after serial ventricular reservoir taps in neonates with hydrocephalus and association with neurodevelopmental outcome at 2 years of age. Journal of Neurosurgery: Pediatrics, 2021, 28, 695-702.	0.8	0
33	Nutritional Intake, White Matter Integrity, and Neurodevelopment in Extremely Preterm Born Infants. Nutrients, 2021, 13, 3409.	1.7	13
34	Early Acute Kidney Injury in Preterm and Term Neonates: Incidence, Outcome, and Associated Clinical Features. Neonatology, 2021, 118, 174-179.	0.9	18
35	A novel neonatal encephalopathy rating scale. Journal of Pediatrics, 2021, 238, 338-342.	0.9	0
36	Asphyxia Associated Metabolite Biomarker Investigation (AAMBI). Ergebnisse im Neugeborenenalter und mit 22-42 Monaten. Zeitschrift Fur Geburtshilfe Und Neonatologie, 2021, 225, .	0.2	0

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37	Sequential co-enrolment in randomised trials in neonatal intensive care medicine. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 128-131.	1.4	0
38	Pharmacokinetics and short-term safety of the selective NOS inhibitor 2-iminobiotin in asphyxiated neonates treated with therapeutic hypothermia. Pediatric Research, 2020, 87, 689-696.	1.1	14
39	Periventricular Hemorrhagic Infarction in Very Preterm Infants: Characteristic Sonographic Findings and Association with Neurodevelopmental Outcome at Age 2ÂYears. Journal of Pediatrics, 2020, 217, 79-85.e1.	0.9	37
40	Two-dimensional ultrasound measurements vs. magnetic resonance imaging-derived ventricular volume of preterm infants with germinal matrix intraventricular haemorrhage. Pediatric Radiology, 2020, 50, 234-241.	1.1	12
41	Lidocaine as treatment for neonatal seizures: Evaluation of previously developed population pharmacokinetic models and dosing regimen. British Journal of Clinical Pharmacology, 2020, 86, 75-84.	1.1	9
42	Brain temperature of infants with neonatal encephalopathy following perinatal asphyxia calculated using magnetic resonance spectroscopy. Pediatric Research, 2020, 88, 279-284.	1.1	4
43	Early prediction of unilateral cerebral palsy in infants at risk: MRI versus the hand assessment for infants. Pediatric Research, 2020, 87, 932-939.	1.1	10
44	Birth asphyxia-induced brain damage: the long road to optimal reduction and prevention!. Pediatric Medicine, 2020, 3, 3-3.	1.1	11
45	Randomized Controlled Early versus Late Ventricular Intervention Study in Posthemorrhagic Ventricular Dilatation: Outcome at 2ÂYears. Journal of Pediatrics, 2020, 226, 28-35.e3.	0.9	49
46	Association of early skin breaks and neonatal thalamic maturation. Neurology, 2020, 95, e3420-e3427.	1.5	17
47	Introduction of Ultra-High-Field MR Imaging in Infants: Preparations and Feasibility. American Journal of Neuroradiology, 2020, 41, 1532-1537.	1.2	14
48	Delay in Treatment of Neonatal Seizures: A Retrospective Cohort Study. Neonatology, 2020, 117, 599-605.	0.9	9
49	Increased Use of Therapeutic Hypothermia in Infants with Milder Neonatal Encephalopathy due to Presumed Perinatal Asphyxia. Neonatology, 2020, 117, 488-494.	0.9	9
50	Prediction of Drug Exposure in Critically Ill Encephalopathic Neonates Treated With Therapeutic Hypothermia Based on a Pooled Population Pharmacokinetic Analysis of Seven Drugs and Five Metabolites. Clinical Pharmacology and Therapeutics, 2020, 108, 1098-1106.	2.3	12
51	Preterm infants with isolated cerebellar hemorrhage show bilateral cortical alterations at term equivalent age. Scientific Reports, 2020, 10, 5283.	1.6	10
52	Neonatal care bundles are associated with a reduction in the incidence of intraventricular haemorrhage in preterm infants: a multicentre cohort study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 419-424.	1.4	46
53	Non-right-handedness in children born extremely preterm: Relation to early neuroimaging and long-term neurodevelopment. PLoS ONE, 2020, 15, e0235311.	1.1	5
54	Translation from animal to clinical studies, choosing the optimal moment. Pediatric Research, 2020, 88, 836-837.	1.1	1

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55	Morphine affects brain activity and volumes in preterms: An observational multi-center study. Early Human Development, 2020, 144, 104970.	0.8	13
56	Predictors of Outcomes in Hypoxic-Ischemic Encephalopathy following Hypothermia: A Meta-Analysis. Neonatology, 2020, 117, 411-427.	0.9	50
57	The development and validation of a cerebral ultrasound scoring system for infants with hypoxic-ischaemic encephalopathy. Pediatric Research, 2020, 87, 59-66.	1.1	21
58	Isoprostanes as Biomarker for White Matter Injury in Extremely Preterm Infants. Frontiers in Pediatrics, 2020, 8, 618622.	0.9	12
59	Increase in Brain Volumes after Implementation of a Nutrition Regimen in Infants Born Extremely Preterm. Journal of Pediatrics, 2020, 223, 57-63.e5.	0.9	17
60	Brain Activity and Cerebral Oxygenation After Perinatal Arterial Ischemic Stroke Are Associated With Neurodevelopment. Stroke, 2019, 50, 2668-2676.	1.0	17
61	The CHOPIn Study: a Multicenter Study on Cerebellar Hemorrhage and Outcome in Preterm Infants. Cerebellum, 2019, 18, 989-998.	1.4	37
62	Phenobarbital, Midazolam Pharmacokinetics, Effectiveness, and Drug-Drug Interaction in Asphyxiated Neonates Undergoing Therapeutic Hypothermia. Neonatology, 2019, 116, 154-162.	0.9	26
63	Diffusion of the Corpus Callosum in Young Infants. Neuropediatrics, 2019, 50, 410-410.	0.3	0
64	SUGAR-DIP trial: oral medication strategy versus insulin for diabetes in pregnancy, study protocol for a multicentre, open-label, non-inferiority, randomised controlled trial. BMJ Open, 2019, 9, e029808.	0.8	6
65	Punctate white-matter lesions in the full-term newborn: Underlying aetiology and outcome. European Journal of Paediatric Neurology, 2019, 23, 280-287.	0.7	22
66	Cerebral Blood Flow Measured by Phase-Contrast Magnetic Resonance Angiography in Preterm and Term Neonates. Neonatology, 2019, 115, 226-233.	0.9	7
67	Brain microstructural development in neonates with critical congenital heart disease: An atlas-based diffusion tensor imaging study. NeuroImage: Clinical, 2019, 21, 101672.	1.4	20
68	Time to start hypothermia after perinatal asphyxia: does it matter?. BMJ Paediatrics Open, 2019, 3, e000494.	0.6	5
69	Neurodevelopmental Outcomes in Preterm Infants with White Matter Injury Using a New MRI Classification. Neonatology, 2019, 116, 227-235.	0.9	26
70	Significant reduction in umbilical artery metabolic acidosis after implementation of intrapartum ST waveform analysis of the fetal electrocardiogram. American Journal of Obstetrics and Gynecology, 2019, 221, 63.e1-63.e13.	0.7	14
71	External validation of prognostic models for preeclampsia in a Dutch multicenter prospective cohort. Hypertension in Pregnancy, 2019, 38, 78-88.	0.5	16
72	Reply to Letter. Neonatology, 2019, 115, 277-277.	0.9	0

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73	Assessment of Brain Injury and Brain Volumes after Posthemorrhagic Ventricular Dilatation: A Nested Substudy of the Randomized Controlled ELVIS Trial. Journal of Pediatrics, 2019, 208, 191-197.e2.	0.9	39
74	The risk of intrapartum/neonatal mortality and morbidity following birth at 37Âweeks of gestation: a nationwide cohort study. BJOG: an International Journal of Obstetrics and Gynaecology, 2019, 126, 1252-1257.	1.1	9
75	Prevention, Reduction and Repair of Brain Injury of the Preterm Infant. Frontiers in Physiology, 2019, 10, 181.	1.3	16
76	Pharmacokinetics of morphine in encephalopathic neonates treated with therapeutic hypothermia. PLoS ONE, 2019, 14, e0211910.	1.1	17
77	Neuroprotective strategies following perinatal hypoxia-ischemia: TakingÂaim at NOS. Free Radical Biology and Medicine, 2019, 142, 123-131.	1.3	33
78	O15â€...Lidocaine plasma concentrations and anti-epileptic efficacy in term and preterm neonates: prospective validation of a new dosing regimen. Archives of Disease in Childhood, 2019, 104, e7.1-e7.	1.0	0
79	Signal Change in the Mammillary Bodies after Perinatal Asphyxia. American Journal of Neuroradiology, 2019, 40, 1829-1834.	1.2	14
80	Low Cerebral Oxygenation in Preterm Infants Is Associated with Adverse Neurodevelopmental Outcome. Journal of Pediatrics, 2019, 207, 109-116.e2.	0.9	40
81	Outcome of Infants with Therapeutic Hypothermia after Perinatal Asphyxia and Early-Onset Sepsis. Neonatology, 2019, 115, 127-133.	0.9	34
82	The Value of Autopsy in Neonates in the 21st Century. Neonatology, 2019, 115, 89-93.	0.9	12
83	Brain imaging can predict neurodevelopmental outcome of Group B streptococcal meningitis in neonates. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 855-864.	0.7	6
84	The long-term effect of perinatal asphyxia on hippocampal volumes. Pediatric Research, 2019, 85, 43-49.	1.1	31
85	Treatment thresholds for intervention in posthaemorrhagic ventricular dilation: a randomised controlled trial. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F70-F75.	1.4	76
86	A Longitudinal Study of the Evolution of the Central Sulcusâ€™ Shape in Preterm Infants Using Manifold Learning. Lecture Notes in Computer Science, 2019, , 143-152.	1.0	0
87	Lethal neonatal bone marrow failure syndrome with multiple congenital abnormalities, including limb defects, due to a constitutional deletion of 3â€² MECOM. Haematologica, 2018, 103, e173-e176.	1.7	13
88	Characteristic MR Imaging Findings of the Neonatal Brain in RASopathies. American Journal of Neuroradiology, 2018, 39, 1146-1152.	1.2	12
89	Perioperative neonatal brain injury is associated with worse schoolâ€age neurodevelopment in children with critical congenital heart disease. Developmental Medicine and Child Neurology, 2018, 60, 1052-1058.	1.1	84
90	Neonatal Hypoglycemia Following Diet-Controlled and Insulin-Treated Gestational Diabetes Mellitus. Diabetes Care, 2018, 41, 1385-1390.	4.3	52

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91	Evaluation of a System-Specific Function To Describe the Pharmacokinetics of Benzylpenicillin in Term Neonates Undergoing Moderate Hypothermia. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	8
92	The prognostic value of proton magnetic resonance spectroscopy in term newborns treated with therapeutic hypothermia following asphyxia. Magnetic Resonance Imaging, 2018, 48, 139-140.	1.0	0
93	Posthemorrhagic ventricular dilatation in preterm infants. Neurology, 2018, 90, e698-e706.	1.5	103
94	Mild cerebellar injury does not significantly affect cerebral white matter microstructural organization and neurodevelopmental outcome in a contemporary cohort of preterm infants. Pediatric Research, 2018, 83, 1004-1010.	1.1	7
95	A Novel Magnetic Resonance Imaging Score Predicts Neurodevelopmental Outcome After Perinatal Asphyxia and Therapeutic Hypothermia. Journal of Pediatrics, 2018, 192, 33-40.e2.	0.9	125
96	Severe retinopathy of prematurity is associated with reduced cerebellar and brainstem volumes at term and neurodevelopmental deficits at 2 years. Pediatric Research, 2018, 83, 818-824.	1.1	22
97	Association of Histologic Chorioamnionitis With Perinatal Brain Injury and Early Childhood Neurodevelopmental Outcomes Among Preterm Neonates. JAMA Pediatrics, 2018, 172, 534.	3.3	55
98	Population Pharmacokinetics of Amoxicillin in Term Neonates Undergoing Moderate Hypothermia. Clinical Pharmacology and Therapeutics, 2018, 103, 458-467.	2.3	22
99	Promoting neuroregeneration after perinatal arterial ischemic stroke: neurotrophic factors and mesenchymal stem cells. Pediatric Research, 2018, 83, 372-384.	1.1	61
100	Effects of early nutrition and growth on brain volumes, white matter microstructure, and neurodevelopmental outcome in preterm newborns. Pediatric Research, 2018, 83, 102-110.	1.1	118
101	Combined fetal inflammation and postnatal hypoxia causes myelin deficits and autismâ€like behavior in a rat model of diffuse white matter injury. Glia, 2018, 66, 78-93.	2.5	61
102	Deaths and endâ€ofâ€life decisions differed between neonatal and paediatric intensive care units at the same children's hospital. Acta Paediatrica, International Journal of Paediatrics, 2018, 107, 270-275.	0.7	13
103	Clinical and neuroimaging characteristics of cerebral sinovenous thrombosis in neonates undergoing cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1150-1158.	0.4	22
104	Changes in brain morphology and microstructure in relation to early brain activity in extremely preterm infants. Pediatric Research, 2018, 83, 834-842.	1.1	18
105	Association of Histologic Chorioamnionitis With Perinatal Brain Injury and Early Childhood Neurodevelopmental Outcomes Among Preterm Neonates. Obstetrical and Gynecological Survey, 2018, 73, 621-623.	0.2	0
106	Predictive Role of Urinary Metabolic Profile for Abnormal MRI Score in Preterm Neonates. Disease Markers, 2018, 2018, 1-9.	0.6	10
107	Standardized outcome measures for pregnancy and childbirth, an ICHOM proposal. BMC Health Services Research, 2018, 18, 953.	0.9	99
108	Short Term Safety and Pharmacokinetics of the Selective NOS Inhibitor 2-Iminobiotin in Asphyxiated Neonates during Therapeutic Hypothermia: Protocol for the 2-STEP Study. Journal of Clinical Trials, 2018, 08, .	0.1	0

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109	Clinical Aspects and Treatment of the Hypoxic-Ischemic Syndrome. , 2018, , 2165-2184.		0
110	Cooling and Comfort: The COMFORTNeo-scale during therapeutic hypothermia after perinatal asphyxia. Journal of Neonatal Nursing, 2018, 24, 313-317.	0.3	2
111	Early Prediction of Hypoxic-Ischemic Brain Injury by a New Panel of Biomarkers in a Population of Term Newborns. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-10.	1.9	29
112	Neurodevelopment After Perinatal Arterial Ischemic Stroke. Pediatrics, 2018, 142, .	1.0	65
113	Nitric Oxide Synthase Inhibition as a Neuroprotective Strategy Following Hypoxicâ€"Ischemic Encephalopathy: Evidence From Animal Studies. Frontiers in Neurology, 2018, 9, 258.	1.1	31
114	MRI Changes in the Thalamus and Basal Ganglia of Full-Term Neonates with Perinatal Asphyxia. Neonatology, 2018, 114, 253-260.	0.9	19
115	Bedside Ultrasound-Guided Percutaneous Needle Aspiration of Intra- and Extra-Axial Intracranial Hemorrhage in Neonates. Neuropediatrics, 2018, 49, 238-245.	0.3	5
116	Complications During Therapeutic Hypothermia After Perinatal Asphyxia: A Comparison with Trial Data. Therapeutic Hypothermia and Temperature Management, 2018, 8, 211-215.	0.3	16
117	Neuroprotective Drugs in Infants With Severe Congenital Heart Disease: A Systematic Review. Frontiers in Neurology, 2018, 9, 521.	1.1	10
118	Behavioral and neurodevelopmental outcome of children after maternal allopurinol administration during suspected fetal hypoxia: 5-year follow up of the ALLO-trial. PLoS ONE, 2018, 13, e0201063.	1.1	9
119	Reply. Journal of Pediatrics, 2018, 196, 328-329.	0.9	0
120	Amplitude-Integrated Electroencephalography for Early Recognition of Brain Injury in Neonates with Critical Congenital Heart Disease. Journal of Pediatrics, 2018, 202, 199-205.e1.	0.9	24
121	Brain oxygen saturation assessment in neonates using T₂-prepared blood imaging of oxygen saturation and near-infrared spectroscopy. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 902-913.	2.4	14
122	Neonatal Surgery for Noncardiac Congenital Anomalies: Neonates at Risk of Brain Injury. Journal of Pediatrics, 2017, 182, 335-341.e1.	0.9	56
123	Clinical Risk Factors for Punctate White Matter Lesions on Early Magnetic Resonance Imaging in Preterm Newborns. Journal of Pediatrics, 2017, 182, 34-40.e1.	0.9	36
124	Improved SNAPPE-II and CRIB II scores over a 15-year period. Journal of Perinatology, 2017, 37, 547-551.	0.9	7
125	A Comparison of the Thompson Encephalopathy Score and Amplitude-Integrated Electroencephalography in Infants with Perinatal Asphyxia and Therapeutic Hypothermia. Neonatology, 2017, 112, 24-29.	0.9	31
126	MRI and spectroscopy in (near) term neonates with perinatal asphyxia and therapeutic hypothermia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F147-F152.	1.4	61

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127	Severe hypercapnia causes reversible depression of aEEG background activity in neonates: an observational study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2017, 102, F383-F388.	1.4	16
128	MR imaging for accurate prediction of outcome after perinatal arterial ischemic stroke: Sooner not necessarily better. European Journal of Paediatric Neurology, 2017, 21, 666-670.	0.7	7
129	Carbon Dioxide Fluctuations Are Associated with Changes in Cerebral Oxygenation and Electrical Activity in Infants Born Preterm. Journal of Pediatrics, 2017, 187, 66-72.e1.	0.9	36
130	Automatic quantification of ischemic injury on diffusion-weighted MRI of neonatal hypoxic ischemic encephalopathy. NeuroImage: Clinical, 2017, 14, 222-232.	1.4	14
131	Rhythmic EEG patterns in extremely preterm infants: Classification and association with brain injury and outcome. Clinical Neurophysiology, 2017, 128, 2428-2435.	0.7	20
132	The Impact of Low-Grade Germinal Matrix-Intraventricular Hemorrhage on Neurodevelopmental Outcome of Very Preterm Infants. Neonatology, 2017, 112, 203-210.	0.9	50
133	Brain imaging and neurodevelopmental outcome of Group B streptococcal meningitis in neonates. European Journal of Paediatric Neurology, 2017, 21, e67.	0.7	0
134	Predominant area of brain lesions in neonates with herpes simplex encephalitis. Journal of Perinatology, 2017, 37, 1210-1214.	0.9	11
135	White matter maturation in the neonatal brain is predictive of school age cognitive capacities in children born very preterm. Developmental Medicine and Child Neurology, 2017, 59, 939-946.	1.1	36
136	Prediction of cognitive and motor outcome of preterm infants based on automatic quantitative descriptors from neonatal MR brain images. Scientific Reports, 2017, 7, 2163.	1.6	25
137	Fifty years of brain imaging in neonatal encephalopathy following perinatal asphyxia. Pediatric Research, 2017, 81, 150-155.	1.1	67
138	Neonatal Encephalopathy With Group B Streptococcal Disease Worldwide: Systematic Review, Investigator Group Datasets, and Meta-analysis. Clinical Infectious Diseases, 2017, 65, S173-S189.	2.9	51
139	Predictive Role of F2-Isoprostanes as Biomarkers for Brain Damage after Neonatal Surgery. Disease Markers, 2017, 2017, 1-9.	0.6	3
140	Preterm brain injury on term-equivalent age MRI in relation to perinatal factors and neurodevelopmental outcome at two years. PLoS ONE, 2017, 12, e0177128.	1.1	58
141	Lidocaine response rate in <scp>aEEG</scp>â€confirmed neonatal seizures: Retrospective study of 413 fullâ€term and preterm infants. Epilepsia, 2016, 57, 233-242.	2.6	48
142	Cerebral oxygenation and echocardiographic parameters in preterm neonates with a patent ductus arteriosus: an observational study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F520-F526.	1.4	38
143	Patent Ductus Arteriosus and Brain Volume. Pediatrics, 2016, 137, .	1.0	61
144	Comparison of psychomotor outcome in patients with perinatal asphyxia with versus without therapeutic hypothermia at 4 years using the Ages and Stages Questionnaire screening tool. European Journal of Paediatric Neurology, 2016, 20, 545-548.	0.7	2

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145	The Thompson Encephalopathy Score and Short-Term Outcomes in Asphyxiated Newborns Treated With Therapeutic Hypothermia. Pediatric Neurology, 2016, 60, 49-53.	1.0	23
146	Clinical Aspects and Treatment of the Hypoxic-Ischemic Syndrome. , 2016, , 1-20.		0
147	Placental pathology and outcome after perinatal asphyxia and therapeutic hypothermia. Journal of Perinatology, 2016, 36, 977-984.	0.9	17
148	Longitudinal Regional Brain Development and Clinical Risk Factors in Extremely Preterm Infants. Journal of Pediatrics, 2016, 178, 93-100.e6.	0.9	42
149	Relation between clinical risk factors, early cortical changes, and neurodevelopmental outcome in preterm infants. NeuroImage, 2016, 142, 301-310.	2.1	58
150	Serial 1- and 2-Dimensional Cerebral MRI Measurements in Full-Term Infants after Perinatal Asphyxia. Neonatology, 2016, 110, 27-32.	0.9	7
151	External validation of prognostic models to predict risk of gestational diabetes mellitus in one Dutch cohort: prospective multicentre cohort study. BMJ, The, 2016, 354, i4338.	3.0	77
152	Altered gentamicin pharmacokinetics in term neonates undergoing controlled hypothermia. British Journal of Clinical Pharmacology, 2016, 81, 1067-1077.	1.1	36
153	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. European Journal of Paediatric Neurology, 2016, 20, 855-864.	0.7	55
154	Clinical presentation and spectrum of neuroimaging findings in newborn infants with incontinentia pigmenti. Developmental Medicine and Child Neurology, 2016, 58, 1076-1084.	1.1	28
155	Cortical Sparing in Preterm Ischemic Arterial Stroke. Stroke, 2016, 47, 869-871.	1.0	9
156	Neurodevelopmental Outcomes After Neonatal Surgery for Major Noncardiac Anomalies. Pediatrics, 2016, 137, e20151728.	1.0	101
157	Prediction of visual field defects in newborn infants with perinatal arterial ischemic stroke using early MRI and DTI-based tractography of the optic radiation. European Journal of Paediatric Neurology, 2016, 20, 309-318.	0.7	18
158	Changing Dutch approach and trends in short-term outcome of periviable preterms. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F391-F396.	1.4	28
159	Drugs for neuroprotection after birth asphyxia: Pharmacologic adjuncts to hypothermia. Seminars in Perinatology, 2016, 40, 152-159.	1.1	40
160	Brain Volumes at Term-Equivalent Age in Preterm Infants: Imaging Biomarkers for Neurodevelopmental Outcome through Early School Age. Journal of Pediatrics, 2016, 172, 88-95.	0.9	102
161	Severe Neonatal Anaemia, MRI Findings and Neurodevelopmental Outcome. Neonatology, 2016, 109, 282-288.	0.9	12
162	Effects of Posthemorrhagic Ventricular Dilatation in the Preterm InfantÂonÂBrain Volumes and White Matter Diffusion Variables atÂTerm-Equivalent Age. Journal of Pediatrics, 2016, 168, 41-49.e1.	0.9	51

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164	Perinatal brain damage: The term infant. Neurobiology of Disease, 2016, 92, 102-112.	2.1	85
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