

Jeroen Dudink

List of Publications by Citations

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114
papers

1,725
citations

24
h-index

36
g-index

122
ext. papers

2,226
ext. citations

4.4
avg, IF

4.61
L-index

#	Paper	IF	Citations
114	Human USP18 deficiency underlies type 1 interferonopathy leading to severe pseudo-TORCH syndrome. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1163-74	16.6	154
113	Mutation in the AP4M1 gene provides a model for neuroaxonal injury in cerebral palsy. <i>American Journal of Human Genetics</i> , 2009 , 85, 40-52	11	117
112	Mesenchymal stem cells induce T-cell tolerance and protect the preterm brain after global hypoxia-ischemia. <i>PLoS ONE</i> , 2013 , 8, e73031	3.7	69
111	COL4A2 mutation associated with familial porencephaly and small-vessel disease. <i>European Journal of Human Genetics</i> , 2012 , 20, 844-51	5.3	65
110	Evolution of unilateral perinatal arterial ischemic stroke on conventional and diffusion-weighted MR imaging. <i>American Journal of Neuroradiology</i> , 2009 , 30, 998-1004	4.4	52
109	Fractional anisotropy in white matter tracts of very-low-birth-weight infants. <i>Pediatric Radiology</i> , 2007 , 37, 1216-23	2.8	52
108	Connecting the developing preterm brain. <i>Early Human Development</i> , 2008 , 84, 777-82	2.2	48
107	Serial cranial ultrasonography or early MRI for detecting preterm brain injury?. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015 , 100, F293-300	4.7	46
106	Brain injury associated with neonatal extracorporeal membrane oxygenation in the Netherlands: a nationwide evaluation spanning two decades. <i>Pediatric Critical Care Medicine</i> , 2013 , 14, 884-92	3	41
105	How to improve sleep in a neonatal intensive care unit: A systematic review. <i>Early Human Development</i> , 2017 , 113, 78-86	2.2	39
104	Pharmacokinetics and pharmacodynamics of medication in asphyxiated newborns during controlled hypothermia. The PharmaCool multicenter study. <i>BMC Pediatrics</i> , 2012 , 12, 45	2.6	36
103	High b-value diffusion tensor imaging of the neonatal brain at 3T. <i>American Journal of Neuroradiology</i> , 2008 , 29, 1966-72	4.4	34
102	Venous subtypes of preterm periventricular haemorrhagic infarction. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2008 , 93, F201-6	4.7	34
101	Neurodevelopmental Consequences of Preterm Isolated Cerebellar Hemorrhage: A Systematic Review. <i>Pediatrics</i> , 2018 , 142,	7.4	34
100	Serial cranial US for detection of cerebral sinovenous thrombosis in preterm infants. <i>Radiology</i> , 2013 , 269, 879-86	20.5	33
99	Optimal timing of cerebral MRI in preterm infants to predict long-term neurodevelopmental outcome: a systematic review. <i>American Journal of Neuroradiology</i> , 2014 , 35, 841-7	4.4	31
98	Neonatal posterior cerebral artery stroke: clinical presentation, MRI findings, and outcome. <i>Developmental Medicine and Child Neurology</i> , 2013 , 55, 283-90	3.3	30

97	Effects of intra-amniotic lipopolysaccharide and maternal betamethasone on brain inflammation in fetal sheep. <i>PLoS ONE</i> , 2013 , 8, e81644	3.7	30
96	Randomized Controlled Early versus Late Ventricular Intervention Study in Posthemorrhagic Ventricular Dilatation: Outcome at 2 Years. <i>Journal of Pediatrics</i> , 2020 , 226, 28-35.e3	3.6	29
95	The clinical presentation of preterm cerebellar haemorrhage. <i>European Journal of Pediatrics</i> , 2010 , 169, 1249-53	4.1	28
94	Safety of routine early MRI in preterm infants. <i>Pediatric Radiology</i> , 2012 , 42, 1205-11	2.8	27
93	Auditory brainstem maturation in normal-hearing infants born preterm: a meta-analysis. <i>Developmental Medicine and Child Neurology</i> , 2016 , 58, 1009-15	3.3	26
92	Network injury to pulvinar with neonatal arterial ischemic stroke. <i>NeuroImage</i> , 2008 , 39, 1850-7	7.9	25
91	Assessment of Brain Injury and Brain Volumes after Posthemorrhagic Ventricular Dilatation: A Nested Substudy of the Randomized Controlled ELVIS Trial. <i>Journal of Pediatrics</i> , 2019 , 208, 191-197.e2	3.6	24
90	Acquisition guidelines and quality assessment tools for analyzing neonatal diffusion tensor MRI data. <i>American Journal of Neuroradiology</i> , 2013 , 34, 1496-505	4.4	22
89	The CHOPIn Study: a Multicenter Study on Cerebellar Hemorrhage and Outcome in Preterm Infants. <i>Cerebellum</i> , 2019 , 18, 989-998	4.3	20
88	Neonatal critical illness and development: white matter and hippocampus alterations in school-age neonatal extracorporeal membrane oxygenation survivors. <i>Developmental Medicine and Child Neurology</i> , 2017 , 59, 304-310	3.3	20
87	Predictors of Outcomes in Hypoxic-Ischemic Encephalopathy following Hypothermia: A Meta-Analysis. <i>Neonatology</i> , 2020 , 117, 411-427	4	19
86	Cerebello-cerebral connectivity in the developing brain. <i>Brain Structure and Function</i> , 2017 , 222, 1625-1634	3.4	19
85	Clinical presentation and spectrum of neuroimaging findings in newborn infants with incontinentia pigmenti. <i>Developmental Medicine and Child Neurology</i> , 2016 , 58, 1076-84	3.3	18
84	State-of-the-art neonatal cerebral ultrasound: technique and reporting. <i>Pediatric Research</i> , 2020 , 87, 3-12	3.2	17
83	Assessment of white matter microstructural integrity in children with syndromic craniosynostosis: a diffusion-tensor imaging study. <i>Radiology</i> , 2011 , 261, 534-41	20.5	17
82	Pharmacokinetics of morphine in encephalopathic neonates treated with therapeutic hypothermia. <i>PLoS ONE</i> , 2019 , 14, e0211910	3.7	16
81	Brain vein disorders in newborn infants. <i>Developmental Medicine and Child Neurology</i> , 2015 , 57, 229-40	3.3	16
80	Risk factors, clinical presentation, and neuroimaging findings of neonatal perforator stroke. <i>Stroke</i> , 2013 , 44, 2115-20	6.7	16

79	Advanced genomic testing may aid in counseling of isolated agenesis of the corpus callosum on prenatal ultrasound. <i>Prenatal Diagnosis</i> , 2017 , 37, 1191-1197	3.2	15
78	DTI reveals network injury in perinatal stroke. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2012 , 97, F362-4	4.7	15
77	Diffusion tensor imaging of the cortical plate and subplate in very-low-birth-weight infants. <i>Pediatric Radiology</i> , 2010 , 40, 1397-404	2.8	15
76	The Thompson Encephalopathy Score and Short-Term Outcomes in Asphyxiated Newborns Treated With Therapeutic Hypothermia. <i>Pediatric Neurology</i> , 2016 , 60, 49-53	2.9	15
75	Early identification of cerebral visual impairments in infants born extremely preterm. <i>Developmental Medicine and Child Neurology</i> , 2016 , 58, 1030-5	3.3	14
74	Impacts on prenatal development of the human cerebellum: a systematic review. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2017 , 30, 2461-2468	2	14
73	Resistive indices of cerebral arteries in very preterm infants: values throughout stay in the neonatal intensive care unit and impact of patent ductus arteriosus. <i>Pediatric Radiology</i> , 2016 , 46, 1291-300	2.8	13
72	Periconception Maternal Folate Status and Human Embryonic Cerebellum Growth Trajectories: The Rotterdam Predict Study. <i>PLoS ONE</i> , 2015 , 10, e0141089	3.7	13
71	Prenatal cerebellar growth trajectories and the impact of periconceptual maternal and fetal factors. <i>Human Reproduction</i> , 2017 , 32, 1230-1237	5.7	12
70	Cerebellar Growth Impairment Characterizes School-Aged Children Born Preterm without Perinatal Brain Lesions. <i>American Journal of Neuroradiology</i> , 2018 , 39, 956-962	4.4	12
69	Language outcome related to brain structures in school-aged preterm children: A systematic review. <i>PLoS ONE</i> , 2018 , 13, e0196607	3.7	12
68	Top of the basilar artery embolic stroke and neonatal myoclonus. <i>Developmental Medicine and Child Neurology</i> , 2009 , 51, 324-7	3.3	12
67	State of the art cranial ultrasound imaging in neonates. <i>Journal of Visualized Experiments</i> , 2015 , e52238	1.6	11
66	Transient diabetes insipidus in a preterm neonate and the challenge of desmopressin dosing. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2014 , 27, 769-71	1.6	11
65	Diagnostic management of neonatal stroke. <i>Seminars in Fetal and Neonatal Medicine</i> , 2009 , 14, 323-8	3.7	11
64	Brain microstructural development in neonates with critical congenital heart disease: An atlas-based diffusion tensor imaging study. <i>NeuroImage: Clinical</i> , 2019 , 21, 101672	5.3	10
63	Brain Activity and Cerebral Oxygenation After Perinatal Arterial Ischemic Stroke Are Associated With Neurodevelopment. <i>Stroke</i> , 2019 , 50, 2668-2676	6.7	9
62	Neurodevelopmental outcome after neonatal perforator stroke. <i>Developmental Medicine and Child Neurology</i> , 2016 , 58, 49-56	3.3	9

61	Diagnostic and predictive value of Doppler ultrasound for evaluation of the brain circulation in preterm infants: a systematic review. <i>Pediatric Research</i> , 2020 , 87, 50-58	3.2	8
60	The development and validation of a cerebral ultrasound scoring system for infants with hypoxic-ischaemic encephalopathy. <i>Pediatric Research</i> , 2020 , 87, 59-66	3.2	8
59	Growth trajectories of the human embryonic head and periconceptional maternal conditions. <i>Human Reproduction</i> , 2016 , 31, 968-76	5.7	8
58	Choice of diffusion tensor estimation approach affects fiber tractography of the fornix in preterm brain. <i>American Journal of Neuroradiology</i> , 2014 , 35, 1219-25	4.4	8
57	A New Ultrasound Marker for Bedside Monitoring of Preterm Brain Growth. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1516-22	4.4	8
56	Current ideas about the roles of rapid eye movement and non-rapid eye movement sleep in brain development. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021 , 110, 36-44	3.1	8
55	Preterm infants with isolated cerebellar hemorrhage show bilateral cortical alterations at term equivalent age. <i>Scientific Reports</i> , 2020 , 10, 5283	4.9	7
54	Electroencephalography and brain magnetic resonance imaging in asphyxia comparing cooled and non-cooled infants. <i>European Journal of Paediatric Neurology</i> , 2019 , 23, 181-190	3.8	7
53	24-hour activity for children with cerebral palsy: a clinical practice guide. <i>Developmental Medicine and Child Neurology</i> , 2021 , 63, 54-59	3.3	7
52	Pilot study of intracranial venous physiology in craniosynostosis. <i>Journal of Neurosurgery: Pediatrics</i> , 2018 , 21, 626-631	2.1	6
51	Prenatal influence of congenital heart defects on trajectories of cortical folding of the fetal brain using three-dimensional ultrasound. <i>Prenatal Diagnosis</i> , 2017 , 37, 1008-1016	3.2	6
50	New Ultrasound Measurements to Bridge the Gap between Prenatal and Neonatal Brain Growth Assessment. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1807-1813	4.4	6
49	Calibrating Doppler imaging of preterm intracerebral circulation using a microvessel flow phantom. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 1068	3.3	6
48	Two-dimensional ultrasound measurements vs. magnetic resonance imaging-derived ventricular volume of preterm infants with germinal matrix intraventricular haemorrhage. <i>Pediatric Radiology</i> , 2020 , 50, 234-241	2.8	6
47	Introduction of Ultra-High-Field MR Imaging in Infants: Preparations and Feasibility. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1532-1537	4.4	6
46	A Hybrid DCNN-SVM Model for Classifying Neonatal Sleep and Wake States Based on Facial Expressions in Video. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 1441-1449	7.2	6
45	Pathophysiology of Cerebral Hyperperfusion in Term Neonates With Hypoxic-Ischemic Encephalopathy: A Systematic Review for Future Research. <i>Frontiers in Pediatrics</i> , 2021 , 9, 631258	3.4	6
44	Data quality in diffusion tensor imaging studies of the preterm brain: a systematic review. <i>Pediatric Radiology</i> , 2015 , 45, 1372-81	2.8	5

43	Language functions deserve more attention in follow-up of children born very preterm. <i>European Journal of Paediatric Neurology</i> , 2020 , 26, 75-81	3.8	5
42	Mild cerebellar injury does not significantly affect cerebral white matter microstructural organization and neurodevelopmental outcome in a contemporary cohort of preterm infants. <i>Pediatric Research</i> , 2018 , 83, 1004-1010	3.2	5
41	The relationship between preterm birth and sleep in children at school age: A systematic review. <i>Sleep Medicine Reviews</i> , 2021 , 57, 101447	10.2	5
40	Incidental sonographic diagnosis of neonatal carotid occlusion. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2013 , 102, e187-90	3.1	4
39	The value of cardiorespiratory parameters for sleep state classification in preterm infants: A systematic review. <i>Sleep Medicine Reviews</i> , 2021 , 58, 101462	10.2	4
38	Brain Damage and Visuospatial Impairments: Exploring Early Structure-Function Associations in Children Born Very Preterm. <i>Pediatric Neurology</i> , 2020 , 109, 63-71	2.9	3
37	Synthetic MRI of Preterm Infants at Term-Equivalent Age: Evaluation of Diagnostic Image Quality and Automated Brain Volume Segmentation. <i>American Journal of Neuroradiology</i> , 2020 , 41, 882-888	4.4	3
36	Effect of Preterm Birth on Echogenicity in Basal Ganglia. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 2192-2199	3.5	3
35	Mammillary body atrophy and other MRI correlates of school-age outcome following neonatal hypoxic-ischemic encephalopathy. <i>Scientific Reports</i> , 2021 , 11, 5017	4.9	3
34	Systemic multipotent adult progenitor cells protect the cerebellum after asphyxia in fetal sheep. <i>Stem Cells Translational Medicine</i> , 2021 , 10, 57-67	6.9	3
33	Sensory-based interventions in the NICU: systematic review of effects on preterm brain development. <i>Pediatric Research</i> , 2021 ,	3.2	3
32	Nutritional Intake, White Matter Integrity, and Neurodevelopment in Extremely Preterm Born Infants. <i>Nutrients</i> , 2021 , 13,	6.7	3
31	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.. <i>Lancet Neurology, The</i> , 2022 , 21, 528-536	24.1	3
30	Non-right-handedness in children born extremely preterm: Relation to early neuroimaging and long-term neurodevelopment. <i>PLoS ONE</i> , 2020 , 15, e0235311	3.7	2
29	Neonatal subcortical bruising. <i>Clinical Case Reports (discontinued)</i> , 2018 , 6, 407-415	0.7	2
28	Bedside Ultrasound-Guided Percutaneous Needle Aspiration of Intra- and Extra-Axial Intracranial Hemorrhage in Neonates. <i>Neuropediatrics</i> , 2018 , 49, 238-245	1.6	2
27	Crystal clear cerebral ultrasound images mimicking acute asphyxia in an infant with primary hyperoxaluria. <i>European Journal of Paediatric Neurology</i> , 2017 , 21, 792-794	3.8	2
26	Beginning to See the Light: Lessons Learned From the Development of the Circadian System for Optimizing Light Conditions in the Neonatal Intensive Care Unit. <i>Frontiers in Neuroscience</i> , 2021 , 15, 634034	5.1	2

25	Cerebellar injury in term neonates with hypoxic-ischemic encephalopathy is underestimated. <i>Pediatric Research</i> , 2021 , 89, 1171-1178	3.2	2
24	Synthetic MRI demonstrates prolonged regional relaxation times in the brain of preterm born neonates with severe postnatal morbidity. <i>NeuroImage: Clinical</i> , 2021 , 29, 102544	5.3	2
23	Relationship Between Early Functional and Structural Brain Developments and Brain Injury in Preterm Infants. <i>Cerebellum</i> , 2021 , 20, 556-568	4.3	2
22	Does a narrative retelling task improve the assessment of language proficiency in school-aged children born very preterm?. <i>Clinical Linguistics and Phonetics</i> , 2020 , 34, 1112-1129	1.4	1
21	A scoping review of behavioral sleep stage classification methods for preterm infants.. <i>Sleep Medicine</i> , 2022 , 90, 74-82	4.6	1
20	Creating an optimal observational sleep stage classification system for very and extremely preterm infants.. <i>Sleep Medicine</i> , 2022 , 90, 167-175	4.6	1
19	Are multidisciplinary neurodevelopmental profiles of children born very preterm at age 2 relevant to their long-term development? A preliminary study. <i>Child Neuropsychology</i> , 2021 , 1-21	2.7	1
18	Brain temperature of infants with neonatal encephalopathy following perinatal asphyxia calculated using magnetic resonance spectroscopy. <i>Pediatric Research</i> , 2020 , 88, 279-284	3.2	1
17	The developing brain by trimester. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2020 , 171, 245-289	3	1
16	Precision Medicine in Neonates: A Tailored Approach to Neonatal Brain Injury. <i>Frontiers in Pediatrics</i> , 2021 , 9, 634092	3.4	1
15	Cerebellar volumes and language functions in school-aged children born very preterm. <i>Pediatric Research</i> , 2021 , 90, 853-860	3.2	1
14	Cooling and Comfort: The COMFORTNeo-scale during therapeutic hypothermia after perinatal asphyxia. <i>Journal of Neonatal Nursing</i> , 2018 , 24, 313-317	1	1
13	Post-hemorrhagic ventricular dilatation affects white matter maturation in extremely preterm infants. <i>Pediatric Research</i> , 2021 ,	3.2	1
12	Early Speech Sound Production and Its Trajectories in Very Preterm Children From 2 to 4 Years of Age.. <i>Journal of Speech, Language, and Hearing Research</i> , 2022 , 1-17	2.8	1
11	NutriBrain: protocol for a randomised, double-blind, controlled trial to evaluate the effects of a nutritional product on brain integrity in preterm infants. <i>BMC Pediatrics</i> , 2021 , 21, 132	2.6	0
10	Cerebral hypoxia immediately following delivery of very low birth weight infants. <i>Journal of Pediatrics</i> , 2014 , 164, 677-8	3.6	
9	Serial Cranial US for Detection of Cerebral Sinovenous Thrombosis in Preterm Infants. <i>Radiology</i> ,13040120.5		
8	Brain damage and early visuospatial problems: a structure-function coupling in very preterm born children. <i>Journal of Vision</i> , 2019 , 19, 56b	0.4	

- 7 Neonatal Stroke: Clinical Presentation, Imaging, Treatment, and Prognosis **2016**, 1-36
- 6 Neonatal Stroke: Mechanisms **2016**, 1-25
- 5 The developmental code of the cerebellothalamocortical tract **2021**, 383-393
- 4 Causes and consequences of structural aberrations in cerebellar development **2021**, 371-382
- 3 Neonatal Stroke: Clinical Presentation, Imaging, Treatment, and Prognosis **2018**, 2251-2286
- 2 Neonatal Stroke: Mechanisms **2018**, 2225-2249
- 1 Performing newborn life support in advance of neonatal advanced life support course-back to basics?. *European Journal of Pediatrics*, **2021**, 180, 1647-1651 4.1