A David Edwards

List of Publications by Year
in descending order

176 papers	17,311 citations	19636 61 h-index	17090 122 g-index
202 all docs	202 docs citations	202 times ranked	10884 citing authors

#	Article	IF	Citations
1	The factor structure of the Edinburgh Postnatal Depression Scale among perinatal high-risk and community samples in London. Archives of Women's Mental Health, 2022, 25, 157-169.	1.2	6
2	Impact of maternal obesity on neonatal heart rate and cardiac size. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 481-487.	1.4	8
3	Development of functional organization within the sensorimotor network across the perinatal period. Human Brain Mapping, 2022, 43, 2249-2261.	1.9	6
4	Neonatal amygdala resting-state functional connectivity and socio-emotional development in very preterm children. Brain Communications, 2022, 4, fcac009.	1.5	14
5	Early Childhood Temperamental Trajectories following Very Preterm Birth and Their Association with Parenting Style. Children, 2022, 9, 508.	0.6	2
6	Neonatal multi-modal cortical profiles predict 18-month developmental outcomes. Developmental Cognitive Neuroscience, 2022, 54, 101103.	1.9	11
7	Effects of gestational age at birth on perinatal structural brain development in healthy termâ€born babies. Human Brain Mapping, 2022, 43, 1577-1589.	1.9	3
8	In-unit neonatal magnetic resonance imagingâ€"new possibilities offered by low-field technology. Journal of Perinatology, 2022, 42, 843-844.	0.9	2
9	Predicting age and clinical risk from the neonatal connectome. NeuroImage, 2022, 257, 119319.	2.1	11
10	The Developing Human Connectome Project Neonatal Data Release. Frontiers in Neuroscience, 2022, 16, .	1.4	42
11	The developing brain structural and functional connectome fingerprint. Developmental Cognitive Neuroscience, 2022, 55, 101117.	1.9	5
12	Cognitive function in toddlers with congenital heart disease: The impact of a stimulating home environment. Infancy, 2021, 26, 184-199.	0.9	21
13	Cortical Processing of Multimodal Sensory Learning in Human Neonates. Cerebral Cortex, 2021, 31, 1827-1836.	1.6	7
14	Scattered slice SHARD reconstruction for motion correction in multi-shell diffusion MRI. NeuroImage, 2021, 225, 117437.	2.1	44
15	Functional thalamocortical connectivity at term equivalent age and outcome at 2 years in infants born preterm. Cortex, 2021, 135, 17-29.	1.1	15
16	Diffusion magnetic resonance imaging assessment of regional white matter maturation in preterm neonates. Neuroradiology, 2021, 63, 573-583.	1.1	10
17	Individualized brain development and cognitive outcome in infants with congenital heart disease. Brain Communications, 2021, 3, fcab046.	1.5	19
18	The Developing Human Connectome Project: typical and disrupted perinatal functional connectivity. Brain, 2021, 144, 2199-2213.	3.7	75

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19	Exploring the relationship between maternal prenatal stress and brain structure in premature neonates. PLoS ONE, 2021, 16, e0250413.	1.1	6
20	Phenotyping the Preterm Brain: Characterizing Individual Deviations From Normative Volumetric Development in Two Large Infant Cohorts. Cerebral Cortex, 2021, 31, 3665-3677.	1.6	19
21	Intraoperative hyperspectral label-free imaging: from system design to first-in-patient translation. Journal Physics D: Applied Physics, 2021, 54, 294003.	1.3	15
22	Development of human white matter pathways in utero over the second and third trimester. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	55
23	Harmonized Segmentation of Neonatal Brain MRI. Frontiers in Neuroscience, 2021, 15, 662005.	1.4	9
24	Greater genetic risk for adult psychiatric diseases increases vulnerability to adverse outcome after preterm birth. Scientific Reports, 2021, 11, 11443.	1.6	0
25	Multi-Channel 4D Parametrized Atlas of Macro- and Microstructural Neonatal Brain Development. Frontiers in Neuroscience, 2021, 15, 661704.	1.4	8
26	Neurodevelopmental Outcomes following Intrauterine Growth Restriction and Very Preterm Birth. Journal of Pediatrics, 2021, 238, 135-144.e10.	0.9	24
27	Incidental findings on brain MR imaging of asymptomatic term neonates in the Developing Human Connectome Project. EClinicalMedicine, 2021, 38, 100984.	3.2	16
28	An eye tracking based virtual reality system for use inside magnetic resonance imaging systems. Scientific Reports, 2021, 11, 16301.	1.6	21
29	Associations Between Neonatal Brain Structure, the Home Environment, and Childhood Outcomes Following Very Preterm Birth. Biological Psychiatry Global Open Science, 2021, 1, 146-155.	1.0	25
30	Preterm birth alters the development of cortical microstructure and morphology at term-equivalent age. NeuroImage, 2021, 243, 118488.	2.1	40
31	Detection of Injury and Automated Triage of Preterm Neonatal MRI Using Patch-Based Gaussian Processes. Lecture Notes in Computer Science, 2021, , 231-241.	1.0	0
32	Neuroimaging in the term newborn with neonatal encephalopathy. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101304.	1.1	21
33	Maternal Prenatal Stress Is Associated With Altered Uncinate Fasciculus Microstructure in Premature Neonates. Biological Psychiatry, 2020, 87, 559-569.	0.7	55
34	Reduced structural connectivity in cortico-striatal-thalamic network in neonates with congenital heart disease. NeuroImage: Clinical, 2020, 28, 102423.	1.4	14
35	Early postnatal maternal trait anxiety is associated with the behavioural outcomes of children born preterm <33 weeks. Journal of Psychiatric Research, 2020, 131, 160-168.	1.5	10
36	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. NeuroImage, 2020, 223, 117303.	2.1	81

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37	MRI Findings at Term-Corrected Age and Neurodevelopmental Outcomes in a Large Cohort of Very Preterm Infants. American Journal of Neuroradiology, 2020, 41, 1509-1516.	1.2	25
38	A dataâ€driven approach to optimising the encoding for multiâ€shell diffusion MRI with application to neonatal imaging. NMR in Biomedicine, 2020, 33, e4348.	1.6	18
39	Investigating altered brain development in infants with congenital heart disease using tensor-based morphometry. Scientific Reports, 2020, 10, 14909.	1.6	17
40	Emerging functional connectivity differences in newborn infants vulnerable to autism spectrum disorders. Translational Psychiatry, 2020, 10, 131.	2.4	31
41	Parental age effects on neonatal white matter development. NeuroImage: Clinical, 2020, 27, 102283.	1.4	12
42	Development of Microstructural and Morphological Cortical Profiles in the Neonatal Brain. Cerebral Cortex, 2020, 30, 5767-5779.	1.6	42
43	Encephalopathy of prematurity. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 458-459.	1.4	4
44	Multidisciplinary: research priorities for the COVID-19 pandemic. Lancet Psychiatry,the, 2020, 7, e35.	3.7	5
45	Modelling brain development to detect white matter injury in term and preterm born neonates. Brain, 2020, 143, 467-479.	3.7	44
46	Heterogeneity in Brain Microstructural Development Following Preterm Birth. Cerebral Cortex, 2020, 30, 4800-4810.	1.6	54
47	Harmonised Segmentation of Neonatal Brain MRI: A Domain Adaptation Approach. Lecture Notes in Computer Science, 2020, , 253-263.	1.0	2
48	Cortical morphology at birth reflects spatiotemporal patterns of gene expression in the fetal human brain. PLoS Biology, 2020, 18, e3000976.	2.6	38
49	Different patterns of cortical maturation before and after 38 weeks gestational age demonstrated by diffusion MRI in vivo. NeuroImage, 2019, 185, 764-775.	2.1	73
50	Automated processing pipeline for neonatal diffusion MRI in the developing Human Connectome Project. NeuroImage, 2019, 185, 750-763.	2.1	127
51	Hypothermia for perinatal asphyxia: trial-based resource use and costs at 6â€"7 years. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F285-F292.	1.4	13
52	Interneuron Development Is Disrupted in Preterm Brains With Diffuse White Matter Injury: Observations in Mouse and Human. Frontiers in Physiology, 2019, 10, 955.	1.3	55
53	Neuroimaging findings in newborns with congenital heart disease prior to surgery: an observational study. Archives of Disease in Childhood, 2019, 104, 1042-1048.	1.0	37
54	Decreased microglial Wnt/Î²-catenin signalling drives microglial pro-inflammatory activation in the developing brain. Brain, 2019, 142, 3806-3833.	3.7	97

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55	Prospective qualification of early cerebral biomarkers in a randomised trial of treatment with xenon combined with moderate hypothermia after birth asphyxia. EBioMedicine, 2019, 47, 484-491.	2.7	18
56	Ventricular remodeling in preterm infants: computational cardiac magnetic resonance atlasing shows significant early remodeling of the left ventricle. Pediatric Research, 2019, 85, 807-815.	1.1	41
57	Abnormal Microstructural Development of the Cerebral Cortex in Neonates With Congenital Heart Disease Is Associated With Impaired Cerebral Oxygen Delivery. Journal of the American Heart Association, 2019, 8, e009893.	1.6	48
58	Fixel-based analysis of the preterm brain: Disentangling bundle-specific white matter microstructural and macrostructural changes in relation to clinical risk factors. NeuroImage: Clinical, 2019, 23, 101820.	1.4	27
59	Polygenic risk for neuropsychiatric disease and vulnerability to abnormal deep grey matter development. Scientific Reports, 2019, 9, 1976.	1.6	13
60	A framework for multi-component analysis of diffusion MRI data over the neonatal period. NeuroImage, 2019, 186, 321-337.	2.1	47
61	Investigating Image Registration Impact on Preterm Birth Classification: An Interpretable Deep Learning Approach. Lecture Notes in Computer Science, 2019, , 104-112.	1.0	2
62	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. NeuroImage, 2018, 173, 88-112.	2.1	315
63	Voxel-wise comparisons of cellular microstructure and diffusion-MRI in mouse hippocampus using 3D Bridging of Optically-clear histology with Neuroimaging Data (3D-BOND). Scientific Reports, 2018, 8, 4011.	1.6	47
64	Timeâ€efficient and flexible design of optimized multishell HARDI diffusion. Magnetic Resonance in Medicine, 2018, 79, 1276-1292.	1.9	72
65	Effect of MRI on preterm infants and their families: a randomised trial with nested diagnostic and economic evaluation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F15-F21.	1.4	86
66	Exploring the multiple-hit hypothesis of preterm white matter damage using diffusion MRI. NeuroImage: Clinical, 2018, 17, 596-606.	1.4	87
67	Multimodal surface matching with higher-order smoothness constraints. NeuroImage, 2018, 167, 453-465.	2.1	219
68	Annual Research Review: Not just a small adult brain: understanding later neurodevelopment through imaging the neonatal brain. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2018, 59, 350-371.	3.1	73
69	Somatotopic Mapping of the Developing Sensorimotor Cortex in the Preterm Human Brain. Cerebral Cortex, 2018, 28, 2507-2515.	1.6	68
70	Myelination induction by a histamine H3 receptor antagonist in a mouse model of preterm white matter injury. Brain, Behavior, and Immunity, 2018, 74, 265-276.	2.0	25
71	A lateral-to-mesial organization of human ventral visual cortex at birth. Brain Structure and Function, 2018, 223, 3107-3119.	1.2	25
72	Hypothermia for perinatal asphyxia: trial-based quality of life at 6â€"7 years. Archives of Disease in Childhood, 2018, 103, 654-659.	1.0	17

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73	Construction of a neonatal cortical surface atlas using Multimodal Surface Matching in the Developing Human Connectome Project. NeuroImage, 2018, 179, 11-29.	2.1	83
74	Early development of structural networks and the impact of prematurity on brain connectivity. NeuroImage, 2017, 149, 379-392.	2.1	187
75	New mothersâ€™ experiences of the urban environment with their preterm infants involve complex social, emotional and psychological processes. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 405-410.	0.7	6
76	Language ability in preterm children is associated with arcuate fasciculi microstructure at term. Human Brain Mapping, 2017, 38, 3836-3847.	1.9	40
77	Punctate White Matter Lesions Associated With Altered Brain Development And Adverse Motor Outcome In Preterm Infants. Scientific Reports, 2017, 7, 13250.	1.6	56
78	Integrative genomics of microglia implicates DLG4 (PSD95) in the white matter development of preterm infants. Nature Communications, 2017, 8, 428.	5.8	74
79	Multimodal image analysis of clinical influences on preterm brain development. Annals of Neurology, 2017, 82, 233-246.	2.8	61
80	A dedicated neonatal brain imaging system. Magnetic Resonance in Medicine, 2017, 78, C1-C1.	1.9	2
81	A tract-specific approach to assessing white matter in preterm infants. NeuroImage, 2017, 157, 675-694.	2.1	35
82	Machine learning shows association between genetic variability in <i>PPARG</i> and cerebral connectivity in preterm infants. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13744-13749.	3.3	29
83	Impaired development of the cerebral cortex in infants with congenital heart disease is correlated to reduced cerebral oxygen delivery. Scientific Reports, 2017, 7, 15088.	1.6	60
84	Cerebello-cerebral connectivity in the developing brain. Brain Structure and Function, 2017, 222, 1625-1634.	1.2	22
85	A dedicated neonatal brain imaging system. Magnetic Resonance in Medicine, 2017, 78, 794-804.	1.9	233
86	Localization of spontaneous bursting neuronal activity in the preterm human brain with simultaneous EEG-fMRI. ELife, 2017, 6, .	2.8	68
87	Characterising brain network topologies: A dynamic analysis approach using heat kernels. NeuroImage, 2016, 141, 490-501.	2.1	29
88	Possible relationship between common genetic variation and white matter development in a pilot study of preterm infants. Brain and Behavior, 2016, 6, e00434.	1.0	25
89	Regional growth and atlasing of the developing human brain. NeuroImage, 2016, 125, 456-478.	2.1	167
90	Maturation of Sensori-Motor Functional Responses in the Preterm Brain. Cerebral Cortex, 2016, 26, 402-413.	1.6	71

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91	Reinforcement of the Brain's Rich-Club Architecture Following Early Neurodevelopmental Disruption Caused by Very Preterm Birth. Cerebral Cortex, 2016, 26, 1322-1335.	1.6	69
92	Moderate hypothermia within 6 h of birth plus inhaled xenon versus moderate hypothermia alone after birth asphyxia (TOBY-Xe): a proof-of-concept, open-label, randomised controlled trial. Lancet Neurology, The, 2016, 15, 145-153.	4.9	170
93	Perinatal brain damage: The term infant. Neurobiology of Disease, 2016, 92, 102-112.	2.1	85
94	Machine-learning to characterise neonatal functional connectivity in the preterm brain. NeuroImage, 2016, 124, 267-275.	2.1	92
95	Thalamocortical Connectivity Predicts Cognition in Children Born Preterm. Cerebral Cortex, 2015, 25, 4310-4318.	1.6	201
96	Specialization and integration of functional thalamocortical connectivity in the human infant. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6485-6490.	3.3	130
97	Neonatal hypoxic ischaemic encephalopathy: current and future treatment options. Expert Opinion on Orphan Drugs, 2015, 3, 357-377.	0.5	4
98	4D phase contrast MRI in the preterm infant: visualisation of patent ductus arteriosus. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2015, 100, F164-F164.	1.4	9
99	The effects of hemorrhagic parenchymal infarction on the establishment of sensori-motor structural and functional connectivity in early infancy. Neuroradiology, 2014, 56, 985-994.	1.1	40
100	Brain Development in Preterm Infants Assessed Using Advanced MRI Techniques. Clinics in Perinatology, 2014, 41, 25-45.	0.8	17
101	Development of the optic radiations and visual function after premature birth. Cortex, 2014, 56, 30-37.	1.1	49
102	Whole-Brain Mapping of Structural Connectivity in Infants Reveals Altered Connection Strength Associated with Growth and Preterm Birth. Cerebral Cortex, 2014, 24, 2324-2333.	1.6	88
103	Common Genetic Variants and Risk of Brain Injury After Preterm Birth. Pediatrics, 2014, 133, e1655-e1663.	1.0	43
104	Automatic Whole Brain MRI Segmentation of the Developing Neonatal Brain. IEEE Transactions on Medical Imaging, 2014, 33, 1818-1831.	5.4	296
105	Effects of Hypothermia for Perinatal Asphyxia on Childhood Outcomes. New England Journal of Medicine, 2014, 371, 140-149.	13.9	567
106	Rich-club organization of the newborn human brain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7456-7461.	3.3	300
107	The influence of preterm birth on the developing thalamocortical connectome. Cortex, 2013, 49, 1711-1721.	1.1	202
108	Diffusion magnetic resonance imaging in preterm brain injury. Neuroradiology, 2013, 55, 65-95.	1.1	56

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109	Development of cortical microstructure in the preterm human brain. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9541-9546.	3.3	293
110	Computerâ€controlled stimulation for functional magnetic resonance imaging studies of the neonatal olfactory system. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, 868-875.	0.7	25
111	Neonatal cardiac MRI using prolonged balanced SSFP imaging at 3T with active frequency stabilization. Magnetic Resonance in Medicine, 2013, 70, 776-784.	1.9	13
112	Magnetic Resonance Imaging of the Newborn Brain: Automatic Segmentation of Brain Images into 50 Anatomical Regions. PLoS ONE, 2013, 8, e59990.	1.1	78
113	Testing the Sensitivity of Tract-Based Spatial Statistics to Simulated Treatment Effects in Preterm Neonates. PLoS ONE, 2013, 8, e67706.	1.1	27
114	Normalisation of Neonatal Brain Network Measures Using Stochastic Approaches. Lecture Notes in Computer Science, 2013, 16, 574-581.	1.0	2
115	Seven- to eight-year follow-up of the CoolCap trial of head cooling for neonatal encephalopathy. Pediatric Research, 2012, 71, 205-209.	1.1	151
116	The Effect of Preterm Birth on Thalamic and Cortical Development. Cerebral Cortex, 2012, 22, 1016-1024.	1.6	262
117	Automatic segmentation of pediatric brain MRIs using a maximum probability pediatric atlas. , 2012, , .		4
118	Construction of a consistent high-definition spatio-temporal atlas of the developing brain using adaptive kernel regression. NeuroImage, 2012, 59, 2255-2265.	2.1	259
119	Development of BOLD signal hemodynamic responses in the human brain. NeuroImage, 2012, 63, 663-673.	2.1	172
120	Regional changes in thalamic shape and volume with increasing age. NeuroImage, 2012, 63, 1134-1142.	2.1	100
121	A dynamic 4D probabilistic atlas of the developing brain. NeuroImage, 2011, 54, 2750-2763.	2.1	247
122	Diffusion Tensor Imaging in Preterm Infants With Punctate White Matter Lesions. Pediatric Research, 2011, 69, 561-566.	1.1	80
123	Functional cardiac MRI in preterm and term newborns. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2011, 96, F86-F91.	1.4	64
124	Perinatal cortical growth and childhood neurocognitive abilities. Neurology, 2011, 77, 1510-1517.	1.5	103
125	Cost-Effectiveness of Therapeutic Hypothermia to Treat Neonatal Encephalopathy. Value in Health, 2010, 13, 695-702.	0.1	24
126	Inference of functional connectivity from structural brain connectivity. , 2010, , .		7

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127	Emergence of resting state networks in the preterm human brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20015-20020.	3.3	461
128	Construction of a dynamic 4D probabilistic atlas for the developing brain. , 2010, , .		1
129	Confidence in the prediction of neurodevelopmental outcome by cranial ultrasound and MRI in preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2010, 95, F388-F390.	1.4	70
130	A common neonatal image phenotype predicts adverse neurodevelopmental outcome in children born preterm. NeuroImage, 2010, 52, 409-414.	2.1	147
131	An optimised tract-based spatial statistics protocol for neonates: Applications to prematurity and chronic lung disease. NeuroImage, 2010, 53, 94-102.	2.1	154
132	Neurological outcomes at 18 months of age after moderate hypothermia for perinatal hypoxic ischaemic encephalopathy: synthesis and meta-analysis of trial data. BMJ: British Medical Journal, 2010, 340, c363-c363.	2.4	765
133	Somatosensory cortical activation identified by functional MRI in preterm and term infants. NeuroImage, 2010, 49, 2063-2071.	2.1	102
134	Identifying population differences in whole-brain structural networks: A machine learning approach. NeuroImage, 2010, 50, 910-919.	2.1	86
135	The Discovery of Hypothermic Neural Rescue Therapy for Perinatal Hypoxic-Ischemic Encephalopathy. Seminars in Pediatric Neurology, 2009, 16, 200-206.	1.0	16
136	A patient care system for early 3.0Tesla magnetic resonance imaging of very low birth weight infants. Early Human Development, 2009, 85, 779-783.	0.8	40
137	Moderate Hypothermia to Treat Perinatal Asphyxial Encephalopathy. New England Journal of Medicine, 2009, 361, 1349-1358.	13.9	1,471
138	Automatic segmentation of brain MRIs of 2-year-olds into 83 regions of interest. NeuroImage, 2008, 40, 672-684.	2.1	301
139	Specific relations between neurodevelopmental abilities and white matter microstructure in children born preterm. Brain, 2008, 131, 3201-3208.	3.7	249
140	Multivariate Statistical Analysis of Whole Brain Structural Networks Obtained Using Probabilistic Tractography. Lecture Notes in Computer Science, 2008, 11, 486-493.	1.0	12
141	Relationship Between White Matter Apparent Diffusion Coefficients in Preterm Infants at Term-Equivalent Age and Developmental Outcome at 2 Years. Pediatrics, 2007, 120, e604-e609.	1.0	134
142	Diffusion tensor imaging with tract-based spatial statistics reveals local white matter abnormalities in preterm infants. NeuroImage, 2007, 35, 1021-1027.	2.1	287
143	Quantification of Deep Gray Matter in Preterm Infants at Term-Equivalent Age Using Manual Volumetry of 3-Tesla Magnetic Resonance Images. Pediatrics, 2007, 119, 759-765.	1.0	155
144	Early growth in brain volume is preserved in the majority of preterm infants. Annals of Neurology, 2007, 62, 185-192.	2.8	89

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145	Abnormal deep grey matter development following preterm birth detected using deformation-based morphometry. NeuroImage, 2006, 32, 70-78.	2.1	220
146	Natural History of Brain Lesions in Extremely Preterm Infants Studied With Serial Magnetic Resonance Imaging From Birth and Neurodevelopmental Assessment. Pediatrics, 2006, 118, 536-548.	1.0	430
147	Therapeutic hypothermia following perinatal asphyxia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2006, 91, F127-F131.	1.4	87
148	Abnormal Cortical Development after Premature Birth Shown by Altered Allometric Scaling of Brain Growth. PLoS Medicine, 2006, 3, e265.	3.9	348
149	Smaller cerebellar volumes in very preterm infants at term-equivalent age are associated with the presence of supratentorial lesions. American Journal of Neuroradiology, 2006, 27, 573-9.	1.2	97
150	71 Diffusion Tractography of the Corticospinal Tracts in the Developing Preterm Brain. Pediatric Research, 2005, 58, 366-366.	1.1	0
151	126 Cardiac Mri At 3.0 Tesla in Preterm Infants. Pediatric Research, 2005, 58, 376-376.	1.1	1
152	304 Detection of Vascular Expression of E-Selectin in Vivo by Mr Imaging. Pediatric Research, 2005, 58, 407-407.	1.1	1
153	Magnetic resonance imaging of preterm brain injury. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2003, 88, 269F-274.	1.4	133
154	Neural Differentiation of Fetal Mesenchymal Stem Cells. Clinical Science, 2003, 104, 44P-44P.	0.0	0
155	Diffusion-Weighted Imaging of the Brain in Preterm Infants With Focal and Diffuse White Matter Abnormality. Pediatrics, 2003, 112, 1-7.	1.0	474
156	MR imaging assessment of myelination in the very preterm brain. American Journal of Neuroradiology, 2002, 23, 872-81.	1.2	125
157	Comparison of Findings on Cranial Ultrasound and Magnetic Resonance Imaging in Preterm Infants. Pediatrics, 2001, 107, 719-727.	1.0	343
158	Early Increases in Brain myo-Inositol Measured by Proton Magnetic Resonance Spectroscopy in Term Infants with Neonatal Encephalopathy. Pediatric Research, 2001, 50, 692-700.	1.1	74
159	Reduced development of cerebral cortex in extremely preterm infants. Lancet, The, 2000, 356, 1162-1163.	6.3	274
160	Perinatal Hypoxia-Ischemia and Brain Injury. Pediatric Research, 2000, 47, 431-432.	1.1	27
161	Magnetic resonance imaging of the brain in a cohort of extremely preterm infants. Journal of Pediatrics, 1999, 135, 351-357.	0.9	317
162	Assessment of Neonatal Encephalopathy by Amplitude-integrated Electroencephalography. Pediatrics, 1999, 103, 1263-1271.	1.0	405

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163	Oxidative Metabolism, Apoptosis and Perinatal Brain Injury. Brain Pathology, 1999, 9, 93-117.	2.1	133
164	Nitric Oxide Synthase Inhibition and Delayed Cerebral Injury after Severe Cerebral Ischemia in Fetal Sheep. Pediatric Research, 1999, 46, 8-13.	1.1	14
165	Increased Nitric Oxide Synthesis Is Not Involved in Delayed Cerebral Energy Failure following Focal Hypoxic-Ischemic Injury to the Developing Brain. Pediatric Research, 1999, 46, 224-231.	1.1	17
166	Treatment of hypoxic-ischaemic brain damage by moderate hypothermia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 1998, 78, F85-F88.	1.4	57
167	Abnormal Magnetic Resonance Signal in the Internal Capsule Predicts Poor Neurodevelopmental Outcome in Infants With Hypoxic-Ischemic Encephalopathy. Pediatrics, 1998, 102, 323-328.	1.0	360
168	43 Maple syrup urine disease metabolites induce apoptosis in neural cells without cytochrome c release or changes in mitochondrial membrane potential. Biochemical Society Transactions, 1998, 26, S341-S341.	1.6	9
169	Hypothermic neural rescue treatment: from laboratory to cotside?. Archives of Disease in Childhood: Fetal and Neonatal Edition, 1998, 78, F88-F91.	1.4	7
170	Measurement of Cerebral Blood Flow in Newborn Infants Using Near Infrared Spectroscopy with Indocyanine Green. Pediatric Research, 1998, 43, 34-39.	1.1	93
171	Persistent Increases in Cerebral Lactate Concentration after Birth Asphyxia. Pediatric Research, 1998, 44, 304-311.	1.1	89
172	The Cerebral Hemodynamic Response to Asphyxia and Hypoxia in the Near-term Fetal Sheep as Measured by Near Infrared Spectroscopy. Pediatric Research, 1998, 44, 951-957.	1.1	44
173	Magnetic resonance imaging of the brain of premature infants. Lancet, The, 1997, 349, 1741.	6.3	31
174	Prevention of acquired neurological impairment in the perinatal period. Journal of Neurology, Neurosurgery and Psychiatry, 1997, 63, 34S-38S.	0.9	0
175	Apoptosis in perinatal hypoxic-ischaemic cerebral damage. Neuropathology and Applied Neurobiology, 1996, 22, 494-498.	1.8	59
176	The pharmacology of inhaled nitric oxide.. Archives of Disease in Childhood: Fetal and Neonatal Edition, 1995, 72, F127-F130.	1.4	32