Serena Counsell

List of Publications by Year
in descending order

218 papers	17,847 citations	9786 73 h-index	17105 122 g-index
243 all docs	243 docs citations	243 times ranked	11733 citing authors

#	Article	IF	Citations
1	Neuromonitoring, neuroimaging, and neurodevelopmental follow-up practices in neonatal congenital heart disease: a European survey. Pediatric Research, 2023, 93, 168-175.	2.3	7
2	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.	2.6	6
3	Neonatal amygdala resting-state functional connectivity and socio-emotional development in very preterm children. Brain Communications, 2022, 4, fcac009.	3.3	14
4	Early Childhood Temperamental Trajectories following Very Preterm Birth and Their Association with Parenting Style. Children, 2022, 9, 508.	1.5	2
5	Effects of gestational age at birth on perinatal structural brain development in healthy termâ€born babies. Human Brain Mapping, 2022, 43, 1577-1589.	3.6	3
6	Differential effects of Urban Particulate Matter on BV2 microglial-like and C17.2 neural stem/precursor cells. Developmental Neuroscience, 2022, , .	2.0	0
7	Predicting age and clinical risk from the neonatal connectome. NeuroImage, 2022, 257, 119319.	4.2	11
8	The Developing Human Connectome Project Neonatal Data Release. Frontiers in Neuroscience, 2022, 16, .	2.8	42
9	<scp>MRI</scp> of the Neonatal Brain: A Review of Methodological Challenges and Neuroscientific Advances. Journal of Magnetic Resonance Imaging, 2021, 53, 1318-1343.	3.4	78
10	Cognitive function in toddlers with congenital heart disease: The impact of a stimulating home environment. Infancy, 2021, 26, 184-199.	1.6	21
11	Functional thalamocortical connectivity at term equivalent age and outcome at 2 years in infants born preterm. Cortex, 2021, 135, 17-29.	2.4	15
12	Diffusion magnetic resonance imaging assessment of regional white matter maturation in preterm neonates. Neuroradiology, 2021, 63, 573-583.	2.2	10
13	Advances in functional and diffusion neuroimaging research into the long-term consequences of very preterm birth. Journal of Perinatology, 2021, 41, 689-706.	2.0	9
14	Individualized brain development and cognitive outcome in infants with congenital heart disease. Brain Communications, 2021, 3, fcab046.	3.3	19
15	Early life exposure to air pollution impacts neuronal and glial cell function leading to impaired neurodevelopment. BioEssays, 2021, 43, e2000288.	2.5	30
16	The Developing Human Connectome Project: typical and disrupted perinatal functional connectivity. Brain, 2021, 144, 2199-2213.	7.6	75
17	Exploring the relationship between maternal prenatal stress and brain structure in premature neonates. PLoS ONE, 2021, 16, e0250413.	2.5	6
18	Phenotyping the Preterm Brain: Characterizing Individual Deviations From Normative Volumetric Development in Two Large Infant Cohorts. Cerebral Cortex, 2021, 31, 3665-3677.	2.9	19

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19	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, .	7.1	55
20	Multi-Channel 4D Parametrized Atlas of Macro- and Microstructural Neonatal Brain Development. Frontiers in Neuroscience, 2021, 15, 661704.	2.8	8
21	Neurodevelopmental Outcomes following Intrauterine Growth Restriction and Very Preterm Birth. Journal of Pediatrics, 2021, 238, 135-144.e10.	1.8	24
22	Brain network hubs and cognitive performance of survivors of childhood infratentorial tumors. Radiotherapy and Oncology, 2021, 161, 118-125.	0.6	5
23	Associations Between Neonatal Brain Structure, the Home Environment, and Childhood Outcomes Following Very Preterm Birth. Biological Psychiatry Global Open Science, 2021, 1, 146-155.	2.2	25
24	Neonatal White Matter Microstructure and Emotional Development during the Preschool Years in Children Who Were Born Very Preterm. ENeuro, 2021, 8, ENEURO.0546-20.2021.	1.9	24
25	MRI studies of brain size and growth in individuals with congenital heart disease. Translational Pediatrics, 2021, 10, 2171-2181.	1.2	3
26	Preterm birth alters the development of cortical microstructure and morphology at term-equivalent age. NeuroImage, 2021, 243, 118488.	4.2	40
27	Detection of Injury and Automated Triage of Preterm Neonatal MRI Using Patch-Based Gaussian Processes. Lecture Notes in Computer Science, 2021, , 231-241.	1.3	0
28	A Uniform Description of Perioperative Brain MRI Findings in Infants with Severe Congenital Heart Disease: Results of a European Collaboration. American Journal of Neuroradiology, 2021, 42, 2034-2039.	2.4	21
29	Maternal Prenatal Stress Is Associated With Altered Uncinate Fasciculus Microstructure in Premature Neonates. Biological Psychiatry, 2020, 87, 559-569.	1.3	55
30	Invited Review: Factors associated with atypical brain development in preterm infants: insights from magnetic resonance imaging. Neuropathology and Applied Neurobiology, 2020, 46, 413-421.	3.2	44
31	Reduced structural connectivity in cortico-striatal-thalamic network in neonates with congenital heart disease. NeuroImage: Clinical, 2020, 28, 102423.	2.7	14
32	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.	3.1	10
33	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.	2.4	25
34	A dataâ€driven approach to optimising the encoding for multiâ€shell diffusion MRI with application to neonatal imaging. NMR in Biomedicine, 2020, 33, e4348.	2.8	18
35	Investigating altered brain development in infants with congenital heart disease using tensor-based morphometry. Scientific Reports, 2020, 10, 14909.	3.3	17
36	Parental age effects on neonatal white matter development. NeuroImage: Clinical, 2020, 27, 102283.	2.7	12

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37	ADHD symptoms and their neurodevelopmental correlates in children born very preterm. PLoS ONE, 2020, 15, e0224343.	2.5	24
38	Modelling brain development to detect white matter injury in term and preterm born neonates. Brain, 2020, 143, 467-479.	7.6	44
39	Heterogeneity in Brain Microstructural Development Following Preterm Birth. Cerebral Cortex, 2020, 30, 4800-4810.	2.9	54
40	Increase in Brain Volumes after Implementation of a Nutrition Regimen in Infants Born Extremely Preterm. Journal of Pediatrics, 2020, 223, 57-63.e5.	1.8	17
41	Automatic Detection of Neonatal Brain Injury on MRI. Lecture Notes in Computer Science, 2020, , 324-333.	1.3	0
42	Different patterns of cortical maturation before and after 38 weeks gestational age demonstrated by diffusion MRI in vivo. NeuroImage, 2019, 185, 764-775.	4.2	73
43	Fetal and neonatal neuroimaging. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 162, 67-103.	1.8	21
44	Neuroimaging findings in newborns with congenital heart disease prior to surgery: an observational study. Archives of Disease in Childhood, 2019, 104, 1042-1048.	1.9	37
45	Quantitative assessment of myelination patterns in preterm neonates using T2-weighted MRI. Scientific Reports, 2019, 9, 12938.	3.3	14
46	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.	3.7	48
47	White and grey matter development in utero assessed using motion-corrected diffusion tensor imaging and its comparison to ex utero measures. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 473-485.	2.0	15
48	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.	2.7	27
49	Polygenic risk for neuropsychiatric disease and vulnerability to abnormal deep grey matter development. Scientific Reports, 2019, 9, 1976.	3.3	13
50	Effects of in-utero exposure to chemotherapy on fetal brain growth. International Journal of Gynecological Cancer, 2019, 29, 1195-1202.	2.5	8
51	A framework for multi-component analysis of diffusion MRI data over the neonatal period. NeuroImage, 2019, 186, 321-337.	4.2	47
52	Advances in neonatal MRI of the brain: from research to practice. Archives of Disease in Childhood: Education and Practice Edition, 2019, 104, 106-110.	0.5	8
53	Verbal Fluency Is Affected by Altered Brain Lateralization in Adults Who Were Born Very Preterm. ENeuro, 2019, 6, ENEURO.0274-18.2018.	1.9	12
54	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. NeuroImage, 2018, 173, 88-112.	4.2	315

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55	A review on automatic fetal and neonatal brain MRI segmentation. NeuroImage, 2018, 170, 231-248.	4.2	143
56	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.	2.8	86
57	Exploring the multiple-hit hypothesis of preterm white matter damage using diffusion MRI. NeuroImage: Clinical, 2018, 17, 596-606.	2.7	87
58	Changes in brain morphology and microstructure in relation to early brain activity in extremely preterm infants. Pediatric Research, 2018, 83, 834-842.	2.3	18
59	Recent advances in diffusion neuroimaging: applications in the developing preterm brain. F1000Research, 2018, 7, 1326.	1.6	45
60	Integration of Network-Based Biological Knowledge With White Matter Features in Preterm Infants Using the Graph-Guided Group Lasso. , 2018, , 45-59.		0
61	The emergence of functional architecture during early brain development. NeuroImage, 2017, 160, 2-14.	4.2	119
62	Early development of structural networks and the impact of prematurity on brain connectivity. NeuroImage, 2017, 149, 379-392.	4.2	187
63	Language ability in preterm children is associated with arcuate fasciculi microstructure at term. Human Brain Mapping, 2017, 38, 3836-3847.	3.6	40
64	Neuroimaging, cardiovascular physiology, and functional outcomes in infants with congenital heart disease. Developmental Medicine and Child Neurology, 2017, 59, 894-902.	2.1	46
65	Punctate White Matter Lesions Associated With Altered Brain Development And Adverse Motor Outcome In Preterm Infants. Scientific Reports, 2017, 7, 13250.	3.3	56
66	Multimodal image analysis of clinical influences on preterm brain development. Annals of Neurology, 2017, 82, 233-246.	5.3	61
67	A tract-specific approach to assessing white matter in preterm infants. NeuroImage, 2017, 157, 675-694.	4.2	35
68	Machine learning shows association between genetic variability in PPARG and cerebral connectivity in preterm infants. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13744-13749.	7.1	29
69	Impaired development of the cerebral cortex in infants with congenital heart disease is correlated to reduced cerebral oxygen delivery. Scientific Reports, 2017, 7, 15088.	3.3	60
70	Cerebello-cerebral connectivity in the developing brain. Brain Structure and Function, 2017, 222, 1625-1634.	2.3	22
71	A multimodal imaging study of recognition memory in very preterm born adults. Human Brain Mapping, 2017, 38, 644-655.	3.6	16
72	A dedicated neonatal brain imaging system. Magnetic Resonance in Medicine, 2017, 78, 794-804.	3.0	233

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73	Identification of genes in lipid metabolism associated with white matter features in preterm infants. Lancet, The, 2016, 387, S60.	13.7	0
74	Possible relationship between common genetic variation and white matter development in a pilot study of preterm infants. Brain and Behavior, 2016, 6, e00434.	2.2	25
75	Longitudinal Regional Brain Development and Clinical Risk Factors in Extremely Preterm Infants. Journal of Pediatrics, 2016, 178, 93-100.e6.	1.8	42
76	Altered white matter and cortical structure in neonates with antenatally diagnosed isolated ventriculomegaly. NeuroImage: Clinical, 2016, 11, 139-148.	2.7	18
77	Regional growth and atlasing of the developing human brain. NeuroImage, 2016, 125, 456-478.	4.2	167
78	Maturation of Sensori-Motor Functional Responses in the Preterm Brain. Cerebral Cortex, 2016, 26, 402-413.	2.9	71
79	Machine-learning to characterise neonatal functional connectivity in the preterm brain. NeuroImage, 2016, 124, 267-275.	4.2	92
80	Neonatal cerebrovascular studies using Doppler velocity measurements and MRA. Journal of Pediatric Neuroradiology, 2015, 01, 095-104.	0.1	1
81	Development of the Corticospinal and Callosal Tracts from Extremely Premature Birth up to 2 Years of Age. PLoS ONE, 2015, 10, e0125681.	2.5	22
82	Corrigendum to â€œmagnetic resonance imaging in neonatal encephalopathyâ€•[Early Hum. Dev. 81 (1) (2005 Jan) 13â€“25]. Early Human Development, 2015, 91, 661.	1.8	0
83	Corticospinal Tract Injury Precedes Thalamic Volume Reduction in Preterm Infants with Cystic Periventricular Leukomalacia. Journal of Pediatrics, 2015, 167, 260-268.e3.	1.8	22
84	Thalamocortical Connectivity Predicts Cognition in Children Born Preterm. Cerebral Cortex, 2015, 25, 4310-4318.	2.9	201
85	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.	7.1	130
86	Evaluation of automatic neonatal brain segmentation algorithms: The NeoBrainS12 challenge. Medical Image Analysis, 2015, 20, 135-151.	11.6	85
87	Learning and Combining Image Similarities for Neonatal Brain Population Studies. Lecture Notes in Computer Science, 2015, , 110-117.	1.3	0
88	The effects of hemorrhagic parenchymal infarction on the establishment of sensori-motor structural and functional connectivity in early infancy. Neuroradiology, 2014, 56, 985-994.	2.2	40
89	New imaging approaches to evaluate newborn brain injury and their role in predicting developmental disorders. Current Opinion in Neurology, 2014, 27, 168-175.	3.6	27
90	Diffusion Imaging in the Developing Brain. , 2014, , 283-300.		1

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91	Brain Development in Preterm Infants Assessed Using Advanced MRI Techniques. Clinics in Perinatology, 2014, 41, 25-45.	2.1	17
92	Development of the optic radiations and visual function after premature birth. Cortex, 2014, 56, 30-37.	2.4	49
93	Whole-Brain Mapping of Structural Connectivity in Infants Reveals Altered Connection Strength Associated with Growth and Preterm Birth. Cerebral Cortex, 2014, 24, 2324-2333.	2.9	88
94	Common Genetic Variants and Risk of Brain Injury After Preterm Birth. Pediatrics, 2014, 133, e1655-e1663.	2.1	43
95	Automatic Whole Brain MRI Segmentation of the Developing Neonatal Brain. IEEE Transactions on Medical Imaging, 2014, 33, 1818-1831.	8.9	296
96	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.	7.1	300
97	The influence of preterm birth on the developing thalamocortical connectome. Cortex, 2013, 49, 1711-1721.	2.4	202
98	Diffusion-weighted imaging and its relationship to microglial activation in parkinsonian syndromes. Parkinsonism and Related Disorders, 2013, 19, 527-532.	2.2	18
99	Motion-Compensation Techniques in Neonatal and Fetal MR Imaging. American Journal of Neuroradiology, 2013, 34, 1124-1136.	2.4	94
100	Diffusion magnetic resonance imaging in preterm brain injury. Neuroradiology, 2013, 55, 65-95.	2.2	56
101	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.	7.1	293
102	Magnetic Resonance Imaging of the Newborn Brain: Automatic Segmentation of Brain Images into 50 Anatomical Regions. PLoS ONE, 2013, 8, e59990.	2.5	78
103	Testing the Sensitivity of Tract-Based Spatial Statistics to Simulated Treatment Effects in Preterm Neonates. PLoS ONE, 2013, 8, e67706.	2.5	27
104	Normalisation of Neonatal Brain Network Measures Using Stochastic Approaches. Lecture Notes in Computer Science, 2013, 16, 574-581.	1.3	2
105	DTI reveals network injury in perinatal stroke. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2012, 97, F362-F364.	2.8	19
106	Neonatal Tract-Based Spatial Statistics Findings and Outcome in Preterm Infants. American Journal of Neuroradiology, 2012, 33, 188-194.	2.4	148
107	Prediction of neurodevelopmental outcome after hypoxicâ€“ischemic encephalopathy treated with hypothermia by diffusion tensor imaging analyzed using tract-based spatial statistics. Pediatric Research, 2012, 72, 63-69.	2.3	83
108	The Effect of Preterm Birth on Thalamic and Cortical Development. Cerebral Cortex, 2012, 22, 1016-1024.	2.9	262

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109	Automatic segmentation of pediatric brain MRIs using a maximum probability pediatric atlas. , 2012, , .		4
110	LISA: Longitudinal image registration via spatio-temporal atlases. , 2012, , .		11
111	Construction of a consistent high-definition spatio-temporal atlas of the developing brain using adaptive kernel regression. NeuroImage, 2012, 59, 2255-2265.	4.2	259
112	Magnetic resonance imaging of the newborn brain: Manual segmentation of labelled atlases in term-born and preterm infants. NeuroImage, 2012, 62, 1499-1509.	4.2	175
113	Development of BOLD signal hemodynamic responses in the human brain. NeuroImage, 2012, 63, 663-673.	4.2	172
114	Regional changes in thalamic shape and volume with increasing age. NeuroImage, 2012, 63, 1134-1142.	4.2	100
115	Tractography of the corticospinal tracts in infants with focal perinatal injury: comparison with normal controls and to motor development. Neuroradiology, 2012, 54, 507-516.	2.2	43
116	Unsupervised Learning of Shape Complexity: Application to Brain Development. Lecture Notes in Computer Science, 2012, , 88-99.	1.3	6
117	Tracking developmental changes in subcortical structures of the preterm brain using multi-modal MRI. , 2011, , .		8
118	A dynamic 4D probabilistic atlas of the developing brain. NeuroImage, 2011, 54, 2750-2763.	4.2	247
119	White matter damage and cognitive impairment after traumatic brain injury. Brain, 2011, 134, 449-463.	7.6	541
120	A Combined Manifold Learning Analysis of Shape and Appearance to Characterize Neonatal Brain Development. IEEE Transactions on Medical Imaging, 2011, 30, 2072-2086.	8.9	43
121	Diffusion Tensor Imaging in Preterm Infants With Punctate White Matter Lesions. Pediatric Research, 2011, 69, 561-566.	2.3	80
122	Construction of a 4D atlas of the developing brain using non-rigid registration. , 2011, , .		0
123	Default mode network functional and structural connectivity after traumatic brain injury. Brain, 2011, 134, 2233-2247.	7.6	398
124	Perinatal cortical growth and childhood neurocognitive abilities. Neurology, 2011, 77, 1510-1517.	1.1	103
125	Magnetic resonance imaging of white matter diseases of prematurity. Neuroradiology, 2010, 52, 505-521.	2.2	149
126	MRI of perinatal brain injury. Pediatric Radiology, 2010, 40, 819-833.	2.0	82

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127	Magnetic Resonance Imaging of Brain Injury in the High-Risk Term Infant. Seminars in Perinatology, 2010, 34, 67-78.	2.5	40
128	Magnetic resonance imaging in hypoxic-ischaemic encephalopathy. Early Human Development, 2010, 86, 351-360.	1.8	90
129	Atlas selection strategy for automatic segmentation of pediatric brain MRIs into 83 ROIs. , 2010, , .		5
130	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.	7.1	461
131	Tract-Based Spatial Statistics of Magnetic Resonance Images to Assess Disease and Treatment Effects in Perinatal Asphyxial Encephalopathy. Pediatric Research, 2010, 68, 205-209.	2.3	58
132	A common neonatal image phenotype predicts adverse neurodevelopmental outcome in children born preterm. NeuroImage, 2010, 52, 409-414.	4.2	147
133	An optimised tract-based spatial statistics protocol for neonates: Applications to prematurity and chronic lung disease. NeuroImage, 2010, 53, 94-102.	4.2	154
134	Somatosensory cortical activation identified by functional MRI in preterm and term infants. NeuroImage, 2010, 49, 2063-2071.	4.2	102
135	The Association of Lung Disease With Cerebral White Matter Abnormalities in Preterm Infants. Pediatrics, 2009, 124, 268-276.	2.1	71
136	Evolution of Unilateral Perinatal Arterial Ischemic Stroke on Conventional and Diffusion-Weighted MR Imaging. American Journal of Neuroradiology, 2009, 30, 998-1004.	2.4	63
137	The Anatomic Variations of the Circle of Willis in Preterm-at-Term and Term-Born Infants: An MR Angiography Study at 3T. American Journal of Neuroradiology, 2009, 30, 1955-1962.	2.4	32
138	Severity of perinatal illness and cerebral cortical growth in preterm infants. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 990-995.	1.5	26
139	Neonatal neuroimaging: Going beyond the pictures. Early Human Development, 2009, 85, S75-S77.	1.8	24
140	A patient care system for early 3.0Tesla magnetic resonance imaging of very low birth weight infants. Early Human Development, 2009, 85, 779-783.	1.8	40
141	Frequently encountered cranial ultrasound features in the white matter of preterm infants: Correlation with MRI. European Journal of Paediatric Neurology, 2009, 13, 317-326.	1.6	22
142	Diffusion tensor imaging (DTI) of the brain in moving subjects: Application to inâ€utero fetal and exâ€utero studies. Magnetic Resonance in Medicine, 2009, 62, 645-655.	3.0	88
143	Connecting the developing preterm brain. Early Human Development, 2008, 84, 777-782.	1.8	55
144	Serial brain MRI and ultrasound findings: Relation to gestational age, bilirubin level, neonatal neurologic status and neurodevelopmental outcome in infants at risk of kernicterus. Early Human Development, 2008, 84, 829-838.	1.8	85

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145	Brain cell membrane motion-restricted phospholipids: A cerebral 31-phosphorus magnetic resonance spectroscopy study of patients with schizophrenia. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 79, 233-235.	2.2	4
146	Brain cell membrane motion-restricted phospholipids in patients with schizophrenia who have seriously and dangerously violently offended. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 751-754.	4.8	11
147	Probabilistic diffusion tractography of the optic radiations and visual function in preterm infants at term equivalent age. Brain, 2008, 131, 573-582.	7.6	167
148	Specific relations between neurodevelopmental abilities and white matter microstructure in children born preterm. Brain, 2008, 131, 3201-3208.	7.6	249
149	Patterns of Brain Injury in Neonates Exposed to Perinatal Sentinel Events. Pediatrics, 2008, 121, 906-914.	2.1	275
150	High b-Value Diffusion Tensor Imaging of the Neonatal Brain at 3T. American Journal of Neuroradiology, 2008, 29, 1966-1972.	2.4	41
151	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.	2.1	134
152	Thalamo-cortical connectivity in children born preterm mapped using probabilistic magnetic resonance tractography. NeuroImage, 2007, 34, 896-904.	4.2	124
153	Diffusion tensor imaging with tract-based spatial statistics reveals local white matter abnormalities in preterm infants. NeuroImage, 2007, 35, 1021-1027.	4.2	287
154	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.	2.1	155
155	Groupwise Combined Segmentation and Registration for Atlas Construction. , 2007, 10, 532-540.		34
156	Early growth in brain volume is preserved in the majority of preterm infants. Annals of Neurology, 2007, 62, 185-192.	5.3	89
157	Structural linear measurements in the newborn brain: accuracy of cranial ultrasound compared to MRI. Pediatric Radiology, 2007, 37, 640-648.	2.0	52
158	In-utero Three Dimension High Resolution Fetal Brain Diffusion Tensor Imaging. , 2007, 10, 18-26.		10
159	Abnormal deep grey matter development following preterm birth detected using deformation-based morphometry. NeuroImage, 2006, 32, 70-78.	4.2	220
160	The effect of preterm birth on neonatal cerebral vasculature studied with magnetic resonance angiography at 3 Tesla. NeuroImage, 2006, 32, 1050-1059.	4.2	28
161	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.	2.1	430
162	Reduced Fractional Anisotropy on Diffusion Tensor Magnetic Resonance Imaging After Hypoxic-Ischemic Encephalopathy. Pediatrics, 2006, 117, e619-e630.	2.1	100

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163	Magnetic resonance imaging in perinatal brain injury: clinical presentation, lesions and outcome. Pediatric Radiology, 2006, 36, 582-592.	2.0	137
164	Axial and Radial Diffusivity in Preterm Infants Who Have Diffuse White Matter Changes on Magnetic Resonance Imaging at Term-Equivalent Age. Pediatrics, 2006, 117, 376-386.	2.1	226
165	Abnormal Cortical Development after Premature Birth Shown by Altered Allometric Scaling of Brain Growth. PLoS Medicine, 2006, 3, e265.	8.4	348
166	Current and future applications of magnetic resonance imaging and spectroscopy of the brain in hepatic encephalopathy. World Journal of Gastroenterology, 2006, 12, 2969.	3.3	61
167	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.	2.4	97
168	71 Diffusion Tractography of the Corticospinal Tracts in the Developing Preterm Brain. Pediatric Research, 2005, 58, 366-366.	2.3	0
169	Magnetic resonance imaging in neonatal encephalopathy. Early Human Development, 2005, 81, 13-25.	1.8	49
170	Magnetic resonance and ultrasound brain imaging in preterm infants. Early Human Development, 2005, 81, 263-271.	1.8	44
171	Magnetic Resonance Imaging of the Brain in Preterm Infants. , 2005, , 199-234.		13
172	Differential brain growth in the infant born preterm: Current knowledge and future developments from brain imaging. Seminars in Fetal and Neonatal Medicine, 2005, 10, 403-410.	2.3	74
173	Phosphorus-31 brain MR spectroscopy in women during and after pregnancy compared with nonpregnant control subjects. American Journal of Neuroradiology, 2005, 26, 352-6.	2.4	11
174	The role of diffusion and perfusion weighted brain imaging in neonatology. , 2004, , 706-721.		0
175	Diffusion-Weighted Magnetic Resonance Imaging in Term Perinatal Brain Injury: A Comparison With Site of Lesion and Time From Birth. Pediatrics, 2004, 114, 1004-1014.	2.1	215
176	MR imaging of the neonatal brain at 3 Tesla. European Journal of Paediatric Neurology, 2004, 8, 281-289.	1.6	33
177	Correction of high-order eddy current induced geometric distortion in diffusion-weighted echo-planar images. Magnetic Resonance in Medicine, 2004, 52, 1184-1189.	3.0	51
178	Cerebral metabolism in male patients with schizophrenia who have seriously and dangerously violently offended: a 31P magnetic resonance spectroscopy study. Prostaglandins Leukotrienes and Essential Fatty Acids, 2004, 70, 409-411.	2.2	12
179	Magnetic resonance imaging of muscle in nemaline myopathy. Neuromuscular Disorders, 2004, 14, 779-784.	0.6	98
180	Magnetic resonance imaging of muscle in congenital myopathies associated with RYR1 mutations. Neuromuscular Disorders, 2004, 14, 785-790.	0.6	135

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181	Increased lung water and tissue damage in bronchopulmonary dysplasia. Journal of Pediatrics, 2004, 145, 503-507.	1.8	43
182	Magnetic resonance imaging of preterm brain injury. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2003, 88, 269F-274.	2.8	133
183	Diffusion-Weighted Imaging of the Brain in Preterm Infants With Focal and Diffuse White Matter Abnormality. Pediatrics, 2003, 112, 1-7.	2.1	474
184	T2 relaxation values in the developing preterm brain. American Journal of Neuroradiology, 2003, 24, 1654-60.	2.4	40
185	Magnetic Resonance Imaging of Lung Water Content and Distribution in Term and Preterm Infants. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 397-402.	5.6	44
186	MRI and neuropsychological improvement in Huntington disease following ethyl-EPA treatment. NeuroReport, 2002, 13, 123-126.	1.2	93
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