

Alan Connelly

List of Publications by Year in descending order

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Version: 2024-02-01

194
papers

24,283
citations

16451

64
h-index

8866

145
g-index

201
all docs

201
docs citations

201
times ranked

15686
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust determination of the fibre orientation distribution in diffusion MRI: Non-negativity constrained super-resolved spherical deconvolution. <i>NeuroImage</i> , 2007, 35, 1459-1472.	4.2	1,860
2	Differential Effects of Early Hippocampal Pathology on Episodic and Semantic Memory. <i>Science</i> , 1997, 277, 376-380.	12.6	1,600
3	MRtrix3: A fast, flexible and open software framework for medical image processing and visualisation. <i>NeuroImage</i> , 2019, 202, 116137.	4.2	1,555
4	Direct estimation of the fiber orientation density function from diffusion-weighted MRI data using spherical deconvolution. <i>NeuroImage</i> , 2004, 23, 1176-1185.	4.2	1,466
5	MRtrix: Diffusion tractography in crossing fiber regions. <i>International Journal of Imaging Systems and Technology</i> , 2012, 22, 53-66.	4.1	1,191
6	Multi-tissue constrained spherical deconvolution for improved analysis of multi-shell diffusion MRI data. <i>NeuroImage</i> , 2014, 103, 411-426.	4.2	1,063
7	Anatomically-constrained tractography: Improved diffusion MRI streamlines tractography through effective use of anatomical information. <i>NeuroImage</i> , 2012, 62, 1924-1938.	4.2	897
8	SIFT: Spherical-deconvolution informed filtering of tractograms. <i>NeuroImage</i> , 2013, 67, 298-312.	4.2	573
9	Resolving crossing fibres using constrained spherical deconvolution: Validation using diffusion-weighted imaging phantom data. <i>NeuroImage</i> , 2008, 42, 617-625.	4.2	524
10	SIFT2: Enabling dense quantitative assessment of brain white matter connectivity using streamlines tractography. <i>NeuroImage</i> , 2015, 119, 338-351.	4.2	506
11	Apparent Fibre Density: A novel measure for the analysis of diffusion-weighted magnetic resonance images. <i>NeuroImage</i> , 2012, 59, 3976-3994.	4.2	491
12	Delay and dispersion effects in dynamic susceptibility contrast MRI: Simulations using singular value decomposition. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 466-473.	3.0	446
13	Investigating white matter fibre density and morphology using fixel-based analysis. <i>NeuroImage</i> , 2017, 144, 58-73.	4.2	437
14	Neural basis of an inherited speech and language disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12695-12700.	7.1	418
15	White matter fiber tractography: why we need to move beyond DTI. <i>Journal of Neurosurgery</i> , 2013, 118, 1367-1377.	1.6	386
16	MRI analysis of an inherited speech and language disorder: structural brain abnormalities. <i>Brain</i> , 2002, 125, 465-478.	7.6	368
17	Track-density imaging (TDI): Super-resolution white matter imaging using whole-brain track-density mapping. <i>NeuroImage</i> , 2010, 53, 1233-1243.	4.2	361
18	Determination of the appropriate b value and number of gradient directions for high-angular-resolution diffusion-weighted imaging. <i>NMR in Biomedicine</i> , 2013, 26, 1775-1786.	2.8	346

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19	Language fMRI abnormalities associated with FOXP2 gene mutation. <i>Nature Neuroscience</i> , 2003, 6, 1230-1237.	14.8	342
20	Extending thrombolysis to 4.5 h and wake-up stroke using perfusion imaging: a systematic review and meta-analysis of individual patient data. <i>Lancet</i> , The, 2019, 394, 139-147.	13.7	321
21	Language reorganization in children with early-onset lesions of the left hemisphere: an fMRI study. <i>Brain</i> , 2004, 127, 1229-1236.	7.6	286
22	Connectivity-based fixel enhancement: Whole-brain statistical analysis of diffusion MRI measures in the presence of crossing fibres. <i>NeuroImage</i> , 2015, 117, 40-55.	4.2	276
23	Quantification of Perfusion Using Bolus Tracking Magnetic Resonance Imaging in Stroke. <i>Stroke</i> , 2002, 33, 1146-1151.	2.0	267
24	Symmetric diffeomorphic registration of fibre orientation distributions. <i>NeuroImage</i> , 2011, 56, 1171-1180.	4.2	229
25	Fibre-specific white matter reductions in Alzheimer's disease and mild cognitive impairment. <i>Brain</i> , 2018, 141, 888-902.	7.6	226
26	The effects of SIFT on the reproducibility and biological accuracy of the structural connectome. <i>NeuroImage</i> , 2015, 104, 253-265.	4.2	213
27	Quantitative neuropathology and quantitative magnetic resonance imaging of the hippocampus in temporal lobe epilepsy. <i>Annals of Neurology</i> , 1997, 42, 756-766.	5.3	197
28	Hippocampal abnormalities after prolonged febrile convulsion: a longitudinal MRI study. <i>Brain</i> , 2003, 126, 2551-2557.	7.6	196
29	Mutations in mammalian target of rapamycin regulator <i>DEPDC5</i> cause focal epilepsy with brain malformations. <i>Annals of Neurology</i> , 2014, 75, 782-787.	5.3	193
30	A Multicentre, Randomized, Double-Blinded, Placebo-Controlled Phase III Study to Investigate Extending the Time for Thrombolysis in Emergency Neurological Deficits (EXTEND). <i>International Journal of Stroke</i> , 2012, 7, 74-80.	5.9	182
31	The Physiological Significance of the Time-to-Maximum (Tmax) Parameter in Perfusion MRI. <i>Stroke</i> , 2010, 41, 1169-1174.	2.0	161
32	Magnetic resonance imaging findings within 5 days of status epilepticus in childhood. <i>Brain</i> , 2002, 125, 1951-1959.	7.6	160
33	Functional mapping of activated human primary cortex with a clinical MR imaging system. <i>Radiology</i> , 1993, 188, 125-130.	7.3	156
34	The Relationship Between Quantitative MRI and Neuropsychological Functioning in Temporal Lobe Epilepsy. <i>Epilepsia</i> , 1998, 39, 158-166.	5.1	148
35	Lesion segmentation from multimodal MRI using random forest following ischemic stroke. <i>NeuroImage</i> , 2014, 98, 324-335.	4.2	139
36	Anisotropic noise propagation in diffusion tensor MRI sampling schemes. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 1143-1151.	3.0	128

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37	Proton magnetic resonance spectroscopy in children with temporal lobe epilepsy. <i>Annals of Neurology</i> , 1996, 39, 107-113.	5.3	126
38	Quantification of bolus-tracking MRI: Improved characterization of the tissue residue function using Tikhonov regularization. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1237-1247.	3.0	122
39	The reorganization of sensorimotor function in children after hemispherectomy: A functional MRI and somatosensory evoked potential study. <i>Brain</i> , 2000, 123, 2432-2444.	7.6	120
40	A Direct Test for Lateralization of Language Activation using fMRI: Comparison with Invasive Assessments in Children with Epilepsy. <i>NeuroImage</i> , 2002, 17, 1861-1867.	4.2	119
41	Guanidinoacetate methyltransferase deficiency: New clinical features. <i>Pediatric Neurology</i> , 1997, 17, 155-157.	2.1	117
42	MR Perfusion Imaging in Moyamoya Syndrome. <i>Stroke</i> , 2001, 32, 2810-2816.	2.0	115
43	Developmental changes in cerebral grey and white matter volume from infancy to adulthood. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 481-489.	1.6	113
44	Magnetic Resonance Spectroscopy Shows Increased Brain Glutamine in Ornithine Carbamoyl Transferase Deficiency. <i>Pediatric Research</i> , 1993, 33, 77-81.	2.3	108
45	The role of the medial temporal lobe in autistic spectrum disorders. <i>European Journal of Neuroscience</i> , 2005, 22, 764-772.	2.6	105
46	Super-resolution track-density imaging studies of mouse brain: Comparison to histology. <i>NeuroImage</i> , 2012, 59, 286-296.	4.2	105
47	Reorientation of fiber orientation distributions using apodized point spread functions. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 844-855.	3.0	103
48	Localized ¹ H NMR spectroscopy in Canavan's Disease: A report of two cases. <i>Magnetic Resonance in Medicine</i> , 1991, 19, 439-445.	3.0	101
49	Sampling and reconstruction effects due to motion in diffusion-weighted interleaved echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 101-109.	3.0	101
50	Quantitative Comparison of Functional Magnetic Resonance Imaging with Positron Emission Tomography Using a Force-Related Paradigm. <i>NeuroImage</i> , 1996, 4, 201-209.	4.2	97
51	Mapping Structural Connectivity Using Diffusion \langle scp \rangle MRI \langle /scp \rangle : Challenges and Opportunities. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1666-1682.	3.4	95
52	Longitudinal Quantitative Hippocampal Magnetic Resonance Imaging Study of Adults with Newly Diagnosed Partial Seizures: One-Year Follow-Up Results. <i>Epilepsia</i> , 1998, 39, 633-639.	5.1	92
53	Track density imaging (TDI): Validation of super resolution property. <i>NeuroImage</i> , 2011, 56, 1259-1266.	4.2	92
54	Identification and interpretation of microstructural abnormalities in motor pathways in adolescents born preterm. <i>NeuroImage</i> , 2014, 87, 209-219.	4.2	92

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55	High Resolution Imaging of Plant Tissues ¹⁰ . <i>Journal of Experimental Botany</i> , 1987, 38, 1713-1723.	4.8	89
56	Cognitive deficits associated with frontal lobe infarction in children with sickle cell disease. <i>Developmental Medicine and Child Neurology</i> , 1998, 40, 536-543.	2.1	88
57	Lesion volume, lesion location, and outcome after middle cerebral artery territory stroke. <i>Archives of Disease in Childhood</i> , 1999, 81, 295-300.	1.9	87
58	Perfusion magnetic resonance abnormalities in patients with sickle cell disease. <i>Annals of Neurology</i> , 2001, 49, 477-485.	5.3	83
59	Speaking with a single cerebral hemisphere: fMRI language organization after hemispherectomy in childhood. <i>Brain and Language</i> , 2008, 106, 195-203.	1.6	82
60	A generalised framework for super-resolution track-weighted imaging. <i>NeuroImage</i> , 2012, 59, 2494-2503.	4.2	77
61	Bolus delay and dispersion in perfusion MRI: Implications for tissue predictor models in stroke. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1180-1185.	3.0	76
62	A software tool to generate simulated white matter structures for the assessment of fibre-tracking algorithms. <i>NeuroImage</i> , 2009, 47, 1288-1300.	4.2	75
63	Contribution of Brain Size to IQ and Educational Underperformance in Extremely Preterm Adolescents. <i>PLoS ONE</i> , 2013, 8, e77475.	2.5	70
64	Is quantification of bolus tracking MRI reliable without deconvolution?. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 61-67.	3.0	69
65	Severe childhood speech disorder. <i>Neurology</i> , 2020, 94, e2148-e2167.	1.1	68
66	Reduced White Matter Fiber Density in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2019, 29, 1778-1788.	2.9	67
67	Localized q-space imaging of the mouse brain. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 930-937.	3.0	66
68	Correction for diffusion MRI fibre tracking biases: The consequences for structural connectomic metrics. <i>NeuroImage</i> , 2016, 142, 150-162.	4.2	65
69	The Amygdala and Temporal Lobe Simple Partial Seizures: A Prospective and Quantitative MRI Study. <i>Epilepsia</i> , 2001, 42, 857-862.	5.1	64
70	Diffusion-weighted magnetic resonance imaging fibre tracking using a front evolution algorithm. <i>NeuroImage</i> , 2003, 20, 276-288.	4.2	64
71	Prolonged Febrile Seizures Are Associated with Hippocampal Vasogenic Edema and Developmental Changes. <i>Epilepsia</i> , 2006, 47, 1493-1498.	5.1	64
72	Is removal of weak connections necessary for graph-theoretical analysis of dense weighted structural connectomes from diffusion MRI?. <i>NeuroImage</i> , 2019, 194, 68-81.	4.2	64

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73	Clinical diversity of pyruvate dehydrogenase deficiency. <i>Pediatric Neurology</i> , 1994, 10, 276-283.	2.1	61
74	Super-resolution track-density imaging of thalamic substructures: Comparison with high-resolution anatomical magnetic resonance imaging at 7.0T. <i>Human Brain Mapping</i> , 2013, 34, 2538-2548.	3.6	61
75	Early detection of abnormalities in partial epilepsy using magnetic resonance.. <i>Archives of Disease in Childhood</i> , 1993, 69, 104-109.	1.9	60
76	Correction for eddy current induced Bo shifts in diffusion-weighted echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 95-102.	3.0	60
77	The Precision of Anatomical Normalization in the Medial Temporal Lobe Using Spatial Basis Functions. <i>NeuroImage</i> , 2002, 17, 507-512.	4.2	60
78	Neonatal basal ganglia and thalamic volumes: very preterm birth and 7-year neurodevelopmental outcomes. <i>Pediatric Research</i> , 2017, 82, 970-978.	2.3	59
79	Extra-hippocampal grey matter density abnormalities in paediatric mesial temporal sclerosis. <i>NeuroImage</i> , 2005, 27, 635-643.	4.2	57
80	Role of fMRI in the decision-making process: Epilepsy surgery for children. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 933-940.	3.4	56
81	Fibre-specific white matter changes in multiple sclerosis patients with optic neuritis. <i>NeuroImage: Clinical</i> , 2018, 17, 60-68.	2.7	56
82	Sickle cell disease: Ischemia and seizures. <i>Annals of Neurology</i> , 2005, 58, 290-302.	5.3	54
83	EEG-fMRI in Children with Pharmacoresistant Focal Epilepsy. <i>Epilepsia</i> , 2007, 48, 385-389.	5.1	54
84	Association between Postnatal Dexamethasone for Treatment of Bronchopulmonary Dysplasia and Brain Volumes at Adolescence in Infants Born Very Preterm. <i>Journal of Pediatrics</i> , 2014, 164, 737-743.e1.	1.8	52
85	Early childhood development of white matter fiber density and morphology. <i>NeuroImage</i> , 2020, 210, 116552.	4.2	52
86	Proton magnetic resonance spectroscopy studies in lactic acidosis and mitochondrial disorders. <i>Journal of Inherited Metabolic Disease</i> , 1993, 16, 800-811.	3.6	51
87	Improved deconvolution of perfusion MRI data in the presence of bolus delay and dispersion. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 146-156.	3.0	51
88	Elimination of coupling between cylindrical transmit coils and surface-receive coils for in vivo NMR. <i>Magnetic Resonance in Medicine</i> , 1986, 3, 157-163.	3.0	50
89	Endophenotypes of FOXP2: Dysfunction within the human articulatory network. <i>European Journal of Paediatric Neurology</i> , 2011, 15, 283-288.	1.6	50
90	Diffusion and Perfusion Magnetic Resonance Imaging in Childhood Stroke. <i>Journal of Child Neurology</i> , 2000, 15, 279-283.	1.4	44

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91	Quantification of voxel-wise total fibre density: Investigating the problems associated with track-count mapping. <i>NeuroImage</i> , 2015, 117, 284-293.	4.2	44
92	Nonlinear T_2^* effects in perfusion quantification using bolus-tracking MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 486-492.	3.0	43
93	Reduction of errors in ASL cerebral perfusion and arterial transit time maps using image denoising. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 715-724.	3.0	43
94	Graph analysis of resting-state ASL perfusion MRI data: Nonlinear correlations among CBF and network metrics. <i>NeuroImage</i> , 2014, 87, 265-275.	4.2	41
95	Track-weighted functional connectivity (TW-FC): A tool for characterizing the structural-functional connections in the brain. <i>NeuroImage</i> , 2013, 70, 199-210.	4.2	40
96	Cortical lateralization during verb generation: a combined ERP and fMRI study. <i>NeuroImage</i> , 2004, 22, 665-675.	4.2	39
97	INFLUENCE OF MOTOR FUNCTIONAL MAGNETIC RESONANCE IMAGING ON THE SURGICAL MANAGEMENT OF CHILDREN AND ADOLESCENTS WITH SYMPTOMATIC FOCAL EPILEPSY. <i>Neurosurgery</i> , 2009, 64, 856-864.	1.1	36
98	Quantification of track-weighted imaging (TWI): Characterisation of within-subject reproducibility and between-subject variability. <i>NeuroImage</i> , 2014, 87, 18-31.	4.2	36
99	Increased cerebral blood flow with increased amyloid burden in the preclinical phase of alzheimer's disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 505-513.	3.4	35
100	Tract-specific atrophy in focal epilepsy: Disease, genetics, or seizures?. <i>Annals of Neurology</i> , 2017, 81, 240-250.	5.3	34
101	Abnormalities in hippocampi remote from the seizure focus: a T2 relaxometry study. <i>Brain</i> , 2003, 126, 1968-1974.	7.6	33
102	Improved partial volume correction for single inversion time arterial spin labeling data. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 531-537.	3.0	33
103	The role of whole-brain diffusion MRI as a tool for studying human in vivo cortical segregation based on a measure of neurite density. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2738-2744.	3.0	33
104	The Relation Between Quantitative MRI Measures of Hippocampal Structure and the Intracarotid Amobarbital Test. <i>Epilepsia</i> , 1997, 38, 998-1007.	5.1	32
105	Corticobulbar tract changes as predictors of dysarthria in childhood brain injury. <i>Neurology</i> , 2013, 80, 926-932.	1.1	32
106	Functional magnetic resonance imaging of chronic dysarthric speech after childhood brain injury: reliance on a left-hemisphere compensatory network. <i>Brain</i> , 2013, 136, 646-657.	7.6	32
107	The effect of residual Nyquist ghost in quantitative echo-planar diffusion imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 385-392.	3.0	31
108	Validating a Local Arterial Input Function Method for Improved Perfusion Quantification in Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2189-2198.	4.3	31

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109	Connectomes from streamlines tractography: Assigning streamlines to brain parcellations is not trivial but highly consequential. <i>NeuroImage</i> , 2019, 199, 160-171.	4.2	31
110	Beyond the lesion: neuroimaging foundations for post-stroke recovery. <i>Future Neurology</i> , 2013, 8, 507-527.	0.5	29
111	New criterion to aid manual and automatic selection of the arterial input function in dynamic susceptibility contrast MRI. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 448-456.	3.0	28
112	Diffusion weighted magnetic resonance imaging of compromised tissue in stroke. <i>Archives of Disease in Childhood</i> , 1997, 77, 38-41.	1.9	26
113	Voxel-Wise Functional Connectomics Using Arterial Spin Labeling Functional Magnetic Resonance Imaging: The Role of Denoising. <i>Brain Connectivity</i> , 2015, 5, 543-553.	1.7	26
114	A space sharing 3D GRASE pseudocontinuous ASL method for whole-brain resting-state functional connectivity. <i>International Journal of Imaging Systems and Technology</i> , 2012, 22, 37-43.	4.1	25
115	Pediatric traumatic brain injury: Language outcomes and their relationship to the arcuate fasciculus. <i>Brain and Language</i> , 2013, 127, 388-398.	1.6	25
116	Ophthalmological, cognitive, electrophysiological and MRI assessment of visual processing in preterm children without major neuromotor impairment. <i>Developmental Science</i> , 2010, 13, 692-705.	2.4	24
117	STroke imAging pRevention and Treatment (START): A Longitudinal Stroke Cohort Study: Clinical Trials Protocol. <i>International Journal of Stroke</i> , 2015, 10, 636-644.	5.9	24
118	Longitudinal growth of the basal ganglia and thalamus in very preterm children. <i>Brain Imaging and Behavior</i> , 2020, 14, 998-1011.	2.1	24
119	Interictal 99Tcm HMPAO SPECT and 1H MRS in Children with Temporal Lobe Epilepsy. <i>Epilepsia</i> , 1997, 38, 338-345.	5.1	23
120	Diffusion and Perfusion MRI in Epilepsy. <i>Epilepsia</i> , 2002, 43, 69-77.	5.1	23
121	Brain structural and microstructural alterations associated with cerebral palsy and motor impairments in adolescents born extremely preterm and/or extremely low birthweight. <i>Developmental Medicine and Child Neurology</i> , 2015, 57, 1168-1175.	2.1	23
122	Periventricular Nodular Heterotopia: Detection of Abnormal Microanatomic Fiber Structures with Whole-Brain Diffusion MR Imaging Tractography. <i>Radiology</i> , 2016, 281, 896-906.	7.3	23
123	Early neuroimaging markers of FOXP2 intragenic deletion. <i>Scientific Reports</i> , 2016, 6, 35192.	3.3	23
124	Approaches to editing, assignment and interpretation of proton spectra. <i>NMR in Biomedicine</i> , 1991, 4, 85-89.	2.8	22
125	Quantitative MR relaxometry study of effects of vigabatrin on the brains of patients with epilepsy. <i>Epilepsy Research</i> , 1994, 18, 127-137.	1.6	22
126	The effect of finite diffusion gradient pulse duration on fibre orientation estimation in diffusion MRI. <i>NeuroImage</i> , 2010, 51, 743-751.	4.2	22

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127	Neural Correlates of Impaired Vision in Adolescents Born Extremely Preterm and/or Extremely Low Birthweight. <i>PLoS ONE</i> , 2014, 9, e93188.	2.5	22
128	Reproducibility of multiphase pseudo-continuous arterial spin labeling and the effect of post-processing analysis methods. <i>NeuroImage</i> , 2015, 117, 191-201.	4.2	22
129	Cortical abnormalities and language function in young patients with basal ganglia stroke. <i>NeuroImage</i> , 2007, 36, 431-440.	4.2	21
130	A Connectome-Based Comparison of Diffusion MRI Schemes. <i>PLoS ONE</i> , 2013, 8, e75061.	2.5	21
131	Characterisation of white matter asymmetries in the healthy human brain using diffusion MRI fixel-based analysis. <i>NeuroImage</i> , 2021, 225, 117505.	4.2	21
132	Epilepsy-related long-term amnesia: Anatomical perspectives. <i>Neuropsychologia</i> , 2012, 50, 2973-2980.	1.6	20
133	Ictal imaging using functional magnetic resonance. <i>Magnetic Resonance Imaging</i> , 1995, 13, 1233-1237.	1.8	19
134	A New MRI-Based Pediatric Subcortical Segmentation Technique (PSST). <i>Neuroinformatics</i> , 2016, 14, 69-81.	2.8	19
135	Track-weighted dynamic functional connectivity (TW-dFC): a new method to study time-resolved functional connectivity. <i>Brain Structure and Function</i> , 2017, 222, 3761-3774.	2.3	19
136	In vivo microstructural heterogeneity of white matter lesions in healthy elderly and Alzheimer's disease participants using tissue compositional analysis of diffusion MRI data. <i>NeuroImage: Clinical</i> , 2020, 28, 102479.	2.7	19
137	A variable flip angle-based method for reducing blurring in 3D GRASE ASL. <i>Physics in Medicine and Biology</i> , 2014, 59, 5559-5573.	3.0	17
138	A Brain Marker for Developmental Speech Disorders. <i>Journal of Pediatrics</i> , 2018, 198, 234-239.e1.	1.8	17
139	The Role of Bolus Delay and Dispersion in Predictor Models for Stroke. <i>Stroke</i> , 2012, 43, 1025-1031.	2.0	16
140	Dorsal language stream anomalies in an inherited speech disorder. <i>Brain</i> , 2019, 142, 966-977.	7.6	16
141	Mapping somatosensory connectivity in adult mice using diffusion MRI tractography and super-resolution track density imaging. <i>NeuroImage</i> , 2014, 102, 381-392.	4.2	15
142	Grey matter volume in developmental speech and language disorder. <i>Brain Structure and Function</i> , 2019, 224, 3387-3398.	2.3	14
143	Spin echo imaging of multiple chemical shifts. <i>Magnetic Resonance in Medicine</i> , 1987, 5, 83-86.	3.0	13
144	A novel joint sparse partial correlation method for estimating group functional networks. <i>Human Brain Mapping</i> , 2016, 37, 1162-1177.	3.6	13

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145	Brain Magnetic Resonance Imaging Findings in Children after Antenatal Maternal Depression Treatment, a Longitudinal Study Built on a Pilot Randomized Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1816.	2.6	13
146	Basal ganglia and thalamic tract connectivity in very preterm and full-term children; associations with 7-year neurodevelopment. <i>Pediatric Research</i> , 2020, 87, 48-56.	2.3	13
147	The neural basis of nonword repetition in children with developmental speech or language disorder: An fMRI study. <i>Neuropsychologia</i> , 2020, 138, 107312.	1.6	13
148	Modified constraint-induced movement therapy after childhood stroke. <i>Developmental Medicine and Child Neurology</i> , 2007, 49, 23-7.	2.1	13
149	Somatomotor fMRI in the pre-surgical evaluation of a case of focal epilepsy. <i>Clinical Radiology</i> , 1999, 54, 301-303.	1.1	12
150	Perfusion precision in bolus-tracking MRI: Estimation using the wild-bootstrap method. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 696-704.	3.0	12
151	High resolution nuclear magnetic resonance imaging of the spinal cord in experimental demyelinating disease. <i>Acta Neuropathologica</i> , 1988, 76, 628-632.	7.7	11
152	Mapping connectomes with diffusion MRI: Deterministic or probabilistic tractography?. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 787-790.	3.0	11
153	Structural Connectivity Remote From Lesions Correlates With Somatosensory Outcome Poststroke. <i>Stroke</i> , 2021, 52, 2910-2920.	2.0	9
154	Chlorine-35 nuclear quadrupole resonance studies of some six-membered ring systems containing nitrogen, sulphur, and/or phosphorus: $\text{N}(\text{NSClO})_3$, $\text{cis}(\text{NSClO})_2(\text{NPCl}_2)$, and $(\text{NSClO})(\text{NPCl}_2)_2$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1980, , 1012-1016.	1.1	8
155	Magnetic resonance imaging of the upper airway in patients with quadriplegia and obstructive sleep apnea. <i>Journal of Sleep Research</i> , 2018, 27, e12616.	3.2	8
156	Functional brain effects of acute concussion in Australian rules football players. <i>Journal of Concussion</i> , 2019, 3, 205970021986120.	0.6	8
157	Maturation and interhemispheric asymmetry in neurite density and orientation dispersion in early childhood. <i>NeuroImage</i> , 2020, 221, 117168.	4.2	8
158	Cognitive Behavioral Therapy for Antenatal Depression in a Pilot Randomized Controlled Trial and Effects on Neurobiological, Behavioral and Cognitive Outcomes in Offspring 3-7 Years Postpartum: A Perspective Article on Study Findings, Limitations and Future Aims. <i>Frontiers in Psychiatry</i> , 2020, 11, 34.	2.6	8
159	Bilateral Structural Network Abnormalities in Epilepsy Associated With Bottom-of-Sulcus Dysplasia. <i>Neurology</i> , 2022, 98, .	1.1	8
160	Post-Liver Transplant Leptin Results in Resolution of Severe Recurrence of Lipodystrophy-Associated Nonalcoholic Steatohepatitis. <i>American Journal of Transplantation</i> , 2013, 13, 3031-3034.	4.7	7
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