

# Saad Jbabdi

## List of Publications by Citations

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162  
papers

21,365  
citations

69  
h-index

146  
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194  
ext. papers

27,699  
ext. citations

7.9  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
162	Probabilistic diffusion tractography with multiple fibre orientations: What can we gain?. <i>NeuroImage</i> , <b>2007</b> , 34, 144-55	7.9	2514
161	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , <b>2013</b> , 80, 105-24	7.9	2298
160	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , <b>2009</b> , 45, S173-86	7.9	1553
159	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 1523-1536	25.5	739
158	Advances in diffusion MRI acquisition and processing in the Human Connectome Project. <i>NeuroImage</i> , <b>2013</b> , 80, 125-43	7.9	596
157	Pushing spatial and temporal resolution for functional and diffusion MRI in the Human Connectome Project. <i>NeuroImage</i> , <b>2013</b> , 80, 80-104	7.9	534
156	Task-free MRI predicts individual differences in brain activity during task performance. <i>Science</i> , <b>2016</b> , 352, 216-20	33.3	432
155	Tractography: where do we go from here?. <i>Brain Connectivity</i> , <b>2011</b> , 1, 169-83	2.7	429
154	Image processing and Quality Control for the first 10,000 brain imaging datasets from UK Biobank. <i>NeuroImage</i> , <b>2018</b> , 166, 400-424	7.9	415
153	Diffusion-weighted imaging tractography-based parcellation of the human parietal cortex and comparison with human and macaque resting-state functional connectivity. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 4087-100	6.6	394
152	Connectivity-based subdivisions of the human right "temporoparietal junction area": evidence for different areas participating in different cortical networks. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 1894-903	5.1	383
151	DTI measures in crossing-fibre areas: increased diffusion anisotropy reveals early white matter alteration in MCI and mild Alzheimer's disease. <i>NeuroImage</i> , <b>2011</b> , 55, 880-90	7.9	381
150	Automated probabilistic reconstruction of white-matter pathways in health and disease using an atlas of the underlying anatomy. <i>Frontiers in Neuroinformatics</i> , <b>2011</b> , 5, 23	3.9	361
149	MSM: a new flexible framework for Multimodal Surface Matching. <i>NeuroImage</i> , <b>2014</b> , 100, 414-26	7.9	347
148	Social network size affects neural circuits in macaques. <i>Science</i> , <b>2011</b> , 334, 697-700	33.3	332
147	Imaging human connectomes at the macroscale. <i>Nature Methods</i> , <b>2013</b> , 10, 524-39	21.6	294
146	Anatomical and functional connectivity of cytoarchitectonic areas within the human parietal operculum. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 6409-21	6.6	283

145	The organization of dorsal frontal cortex in humans and macaques. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 12255-74	6.6	281
144	Motor skill learning induces changes in white matter microstructure and myelination. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 19499-503	6.6	276
143	Diffusion-weighted imaging tractography-based parcellation of the human lateral premotor cortex identifies dorsal and ventral subregions with anatomical and functional specializations. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 10259-69	6.6	275
142	Measuring macroscopic brain connections in vivo. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1546-55	25.5	225
141	Using Diffusion Tractography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 6758-70	6.6	225
140	Model-based analysis of multishell diffusion MR data for tractography: how to get over fitting problems. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 1846-55	4.4	222
139	A Bayesian framework for global tractography. <i>NeuroImage</i> , <b>2007</b> , 37, 116-29	7.9	215
138	Connectivity-based functional analysis of dopamine release in the striatum using diffusion-weighted MRI and positron emission tomography. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 1165-77	5.1	203
137	Simulation of anisotropic growth of low-grade gliomas using diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , <b>2005</b> , 54, 616-24	4.4	202
136	Probabilistic tractography recovers a rostrocaudal trajectory of connectivity variability in the human insular cortex. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 2005-34	5.9	200
135	Diffusion imaging of whole, post-mortem human brains on a clinical MRI scanner. <i>NeuroImage</i> , <b>2011</b> , 57, 167-181	7.9	193
134	Changes in connectivity after visual cortical brain damage underlie altered visual function. <i>Brain</i> , <b>2008</b> , 131, 1433-44	11.2	185
133	Cortical and subcortical connectivity changes during decreasing levels of consciousness in humans: a functional magnetic resonance imaging study using propofol. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 9095-102	6.6	166
132	Human and monkey ventral prefrontal fibers use the same organizational principles to reach their targets: tracing versus tractography. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 3190-201	6.6	165
131	In vivo evidence for the selective subcortical degeneration in Huntington's disease. <i>NeuroImage</i> , <b>2009</b> , 46, 958-66	7.9	165
130	Network analysis detects changes in the contralesional hemisphere following stroke. <i>NeuroImage</i> , <b>2011</b> , 54, 161-9	7.9	160
129	Heritability of fractional anisotropy in human white matter: a comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , <b>2015</b> , 111, 300-11	7.9	159
128	Spatially constrained hierarchical parcellation of the brain with resting-state fMRI. <i>NeuroImage</i> , <b>2013</b> , 76, 313-24	7.9	158

127	Causal effect of disconnection lesions on interhemispheric functional connectivity in rhesus monkeys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13982-7	11.5	152
126	Crossing fibres in tract-based spatial statistics. <i>NeuroImage</i> , <b>2010</b> , 49, 249-56	7.9	145
125	Symmetrical event-related EEG/fMRI information fusion in a variational Bayesian framework. <i>NeuroImage</i> , <b>2007</b> , 36, 69-87	7.9	143
124	High resolution diffusion-weighted imaging in fixed human brain using diffusion-weighted steady state free precession. <i>NeuroImage</i> , <b>2009</b> , 46, 775-85	7.9	142
123	MRI characteristics of the substantia nigra in Parkinson's disease: a combined quantitative T1 and DTI study. <i>NeuroImage</i> , <b>2009</b> , 47, 435-41	7.9	142
122	Effects of image reconstruction on fiber orientation mapping from multichannel diffusion MRI: reducing the noise floor using SENSE. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 70, 1682-9	4.4	132
121	Subthalamic deep brain stimulation sweet spots and hyperdirect cortical connectivity in Parkinson's disease. <i>NeuroImage</i> , <b>2017</b> , 158, 332-345	7.9	131
120	Ball and rackets: Inferring fiber fanning from diffusion-weighted MRI. <i>NeuroImage</i> , <b>2012</b> , 60, 1412-25	7.9	124
119	Slow-wave activity saturation and thalamocortical isolation during propofol anesthesia in humans. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 208ra148	17.5	119
118	Identification of large-scale networks in the brain using fMRI. <i>NeuroImage</i> , <b>2006</b> , 29, 1231-43	7.9	117
117	Determination of the human brainstem respiratory control network and its cortical connections in vivo using functional and structural imaging. <i>NeuroImage</i> , <b>2009</b> , 44, 295-305	7.9	116
116	High resolution whole brain diffusion imaging at 7T for the Human Connectome Project. <i>NeuroImage</i> , <b>2015</b> , 122, 318-31	7.9	114
115	Continuity, divergence, and the evolution of brain language pathways. <i>Frontiers in Evolutionary Neuroscience</i> , <b>2011</b> , 3, 11		111
114	Structural and functional bases for individual differences in motor learning. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 494-508	5.9	107
113	Connectivity-based segmentation of the substantia nigra in human and its implications in Parkinson's disease. <i>NeuroImage</i> , <b>2010</b> , 52, 1175-80	7.9	102
112	Accelerating fibre orientation estimation from diffusion weighted magnetic resonance imaging using GPUs. <i>PLoS ONE</i> , <b>2013</b> , 8, e61892	3.7	101
111	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. <i>NeuroImage</i> , <b>2018</b> , 183, 972-984	7.9	101
110	Differential structural and resting state connectivity between insular subdivisions and other pain-related brain regions. <i>Pain</i> , <b>2014</b> , 155, 2047-55	8	96

109	Evaluating fibre orientation dispersion in white matter: Comparison of diffusion MRI, histology and polarized light imaging. <i>NeuroImage</i> , <b>2017</b> , 157, 561-574	7.9	95
108	The CONNECT project: Combining macro- and micro-structure. <i>NeuroImage</i> , <b>2013</b> , 80, 273-82	7.9	93
107	fMRI and sleep correlates of the age-related impairment in motor memory consolidation. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 3625-45	5.9	91
106	Structural correlates of preterm birth in the adolescent brain. <i>Pediatrics</i> , <b>2009</b> , 124, e964-72	7.4	85
105	Connectivity Fingerprints: From Areal Descriptions to Abstract Spaces. <i>Trends in Cognitive Sciences</i> , <b>2018</b> , 22, 1026-1037	14	83
104	Preoperative estimation of residual volume for WHO grade II glioma resected with intraoperative functional mapping. <i>Neuro-Oncology</i> , <b>2007</b> , 9, 63-9	1	82
103	Unmasking Latent Inhibitory Connections in Human Cortex to Reveal Dormant Cortical Memories. <i>Neuron</i> , <b>2016</b> , 90, 191-203	13.9	81
102	Accurate anisotropic fast marching for diffusion-based geodesic tractography. <i>International Journal of Biomedical Imaging</i> , <b>2008</b> , 2008, 320195	5.2	79
101	Functional Segmentation of the Anterior Limb of the Internal Capsule: Linking White Matter Abnormalities to Specific Connections. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 2106-2117	6.6	78
100	Automated quality control for within and between studies diffusion MRI data using a non-parametric framework for movement and distortion correction. <i>NeuroImage</i> , <b>2019</b> , 184, 801-812	7.9	78
99	Multiple-subjects connectivity-based parcellation using hierarchical Dirichlet process mixture models. <i>NeuroImage</i> , <b>2009</b> , 44, 373-84	7.9	77
98	Whole brain comparative anatomy using connectivity blueprints. <i>ELife</i> , <b>2018</b> , 7,	8.9	75
97	SARS-CoV-2 is associated with changes in brain structure in UK Biobank.. <i>Nature</i> , <b>2022</b> ,	50.4	74
96	The topographic connectome. <i>Current Opinion in Neurobiology</i> , <b>2013</b> , 23, 207-15	7.6	73
95	Revealing the neural fingerprints of a missing hand. <i>ELife</i> , <b>2016</b> , 5,	8.9	73
94	The extreme capsule fiber complex in humans and macaque monkeys: a comparative diffusion MRI tractography study. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 4059-4071	4	71
93	Fusion in diffusion MRI for improved fibre orientation estimation: An application to the 3T and 7T data of the Human Connectome Project. <i>NeuroImage</i> , <b>2016</b> , 134, 396-409	7.9	67
92	Comprehensive morphometry of subcortical grey matter structures in early-stage Parkinson's disease. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 1681-90	5.9	66

91	Investigating the Stability of Fine-Grain Digit Somatotopy in Individual Human Participants. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 1113-27	6.6	63
90	Automated processing pipeline for neonatal diffusion MRI in the developing Human Connectome Project. <i>NeuroImage</i> , <b>2019</b> , 185, 750-763	7.9	59
89	Diffusion tractography of post-mortem human brains: optimization and comparison of spin echo and steady-state free precession techniques. <i>NeuroImage</i> , <b>2012</b> , 59, 2284-97	7.9	59
88	XTRACT - Standardised protocols for automated tractography in the human and macaque brain. <i>NeuroImage</i> , <b>2020</b> , 217, 116923	7.9	56
87	A probabilistic atlas of the cerebellar white matter. <i>NeuroImage</i> , <b>2016</b> , 124, 724-732	7.9	54
86	What is special about the human arcuate fasciculus? Lateralization, projections, and expansion. <i>Cortex</i> , <b>2019</b> , 118, 107-115	3.8	54
85	Preservation of motor skill learning in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2011</b> , 17, 103-15	5	52
84	Relating brain damage to brain plasticity in patients with multiple sclerosis. <i>Neurorehabilitation and Neural Repair</i> , <b>2012</b> , 26, 581-93	4.7	52
83	How can a Bayesian approach inform neuroscience?. <i>European Journal of Neuroscience</i> , <b>2012</b> , 35, 1169-79.5	3.5	51
82	Time-efficient and flexible design of optimized multishell HARDI diffusion. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 1276-1292	4.4	49
81	Connectivity-based segmentation of the periaqueductal gray matter in human with brainstem optimized diffusion MRI. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 3459-71	5.9	49
80	Using GPUs to accelerate computational diffusion MRI: From microstructure estimation to tractography and connectomes. <i>NeuroImage</i> , <b>2019</b> , 188, 598-615	7.9	48
79	Motor practice promotes increased activity in brain regions structurally disconnected after subcortical stroke. <i>Neurorehabilitation and Neural Repair</i> , <b>2011</b> , 25, 607-16	4.7	42
78	Investigation of Slow-wave Activity Saturation during Surgical Anesthesia Reveals a Signature of Neural Inertia in Humans. <i>Anesthesiology</i> , <b>2017</b> , 127, 645-657	4.3	40
77	A connectional hub in the rostral anterior cingulate cortex links areas of emotion and cognitive control. <i>ELife</i> , <b>2019</b> , 8,	8.9	39
76	Cross-species cortical alignment identifies different types of anatomical reorganization in the primate temporal lobe. <i>ELife</i> , <b>2020</b> , 9,	8.9	37
75	Resting connectivity predicts task activation in pre-surgical populations. <i>NeuroImage: Clinical</i> , <b>2017</b> , 13, 378-385	5.3	36
74	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006007	5	35

73	Challenges and future directions for representations of functional brain organization. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 1484-1495	25.5	35
72	Connectivity and the search for specializations in the language-capable brain. <i>Current Opinion in Behavioral Sciences</i> , <b>2018</b> , 21, 19-26	4	32
71	The spatial correspondence and genetic influence of interhemispheric connectivity with white matter microstructure. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 809-819	25.5	31
70	Dentatorubrothalamic tract localization with postmortem MR diffusion tractography compared to histological 3D reconstruction. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 3487-501	4	31
69	Mapping Connections in Humans and Non-Human Primates <b>2014</b> , 337-358		31
68	Multimodal surface matching: fast and generalisable cortical registration using discrete optimisation. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 23, 475-86	0.9	31
67	Brain imaging before and after COVID-19 in UK Biobank <b>2021</b> ,		31
66	Pathology of callosal damage in ALS: An 7T diffusion tensor MRI study. <i>NeuroImage: Clinical</i> , <b>2017</b> , 15, 200-208	5.3	30
65	RubiX: combining spatial resolutions for Bayesian inference of crossing fibers in diffusion MRI. <i>IEEE Transactions on Medical Imaging</i> , <b>2013</b> , 32, 969-82	11.7	29
64	Improved tractography using asymmetric fibre orientation distributions. <i>NeuroImage</i> , <b>2017</b> , 158, 205-218	9.9	29
63	Improving diffusion-weighted imaging of post-mortem human brains: SSFP at 7 T. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 579-89	7.9	29
62	Towards HCP-Style macaque connectomes: 24-Channel 3T multi-array coil, MRI sequences and preprocessing. <i>NeuroImage</i> , <b>2020</b> , 215, 116800	7.9	28
61	Brain systems for probabilistic and dynamic prediction: computational specificity and integration. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001662	9.7	27
60	Perceptually relevant remapping of human somatotopy in 24 hours. <i>ELife</i> , <b>2016</b> , 5,	8.9	27
59	Concurrent white matter bundles and grey matter networks using independent component analysis. <i>NeuroImage</i> , <b>2018</b> , 170, 296-306	7.9	26
58	Dissecting the pathobiology of altered MRI signal in amyotrophic lateral sclerosis: A post mortem whole brain sampling strategy for the integration of ultra-high-field MRI and quantitative neuropathology. <i>BMC Neuroscience</i> , <b>2018</b> , 19, 11	3.2	26
57	Diffusion tensor imaging of dolphin brains reveals direct auditory pathway to temporal lobe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282,	4.4	26
56	Longitudinal connections and the organization of the temporal cortex in macaques, great apes, and humans. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000810	9.7	25



55	Long-range connectomics. <i>Annals of the New York Academy of Sciences</i> , <b>2013</b> , 1305, 83-93	6.5	24
54	Circuits, Networks, and Neuropsychiatric Disease: Transitioning From Anatomy to Imaging. <i>Biological Psychiatry</i> , <b>2020</b> , 87, 318-327	7.9	23
53	Four Deep Brain Stimulation Targets for Obsessive-Compulsive Disorder: Are They Different?. <i>Biological Psychiatry</i> , <b>2021</b> , 90, 667-677	7.9	23
52	MR Diffusion Tractography <b>2009</b> , 333-351		20
51	Anesthesia-induced Suppression of Human Dorsal Anterior Insula Responsivity at Loss of Volitional Behavioral Response. <i>Anesthesiology</i> , <b>2016</b> , 124, 766-78	4.3	19
50	Structural Variability in the Human Brain Reflects Fine-Grained Functional Architecture at the Population Level. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 6136-6149	6.6	18
49	Tractography Study of Deep Brain Stimulation of the Anterior Cingulate Cortex in Chronic Pain: Key to Improve the Targeting. <i>World Neurosurgery</i> , <b>2016</b> , 86, 361-70.e1-3	2.1	18
48	Thalamo-Cortical Disruption Contributes to Short-Term Memory Deficits in Patients with Medial Temporal Lobe Damage. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 4584-95	5.1	15
47	A model for extra-axonal diffusion spectra with frequency-dependent restriction. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 2306-20	4.4	14
46	A Common Space Approach to Comparative Neuroscience. <i>Annual Review of Neuroscience</i> , <b>2021</b> , 44, 69-86	8.7	14
45	The temporoparietal fiber intersection area and wernicke perpendicular fasciculus. <i>Neurosurgery</i> , <b>2013</b> , 73, E381-2	3.2	13
44	Improved fibre dispersion estimation using b-tensor encoding. <i>NeuroImage</i> , <b>2020</b> , 215, 116832	7.9	12
43	Concurrent analysis of white matter bundles and grey matter networks in the chimpanzee. <i>Brain Structure and Function</i> , <b>2019</b> , 224, 1021-1033	4	12
42	An empirical, 21st century evaluation of phrenology. <i>Cortex</i> , <b>2018</b> , 106, 26-35	3.8	11
41	Joint modelling of diffusion MRI and microscopy. <i>NeuroImage</i> , <b>2019</b> , 201, 116014	7.9	10
40	A brain network processing the age of faces. <i>PLoS ONE</i> , <b>2012</b> , 7, e49451	3.7	10
39	FSL-MRS: An end-to-end spectroscopy analysis package. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2950-2964	7.4	9
38	Modelling white matter in gyral blades as a continuous vector field. <i>NeuroImage</i> , <b>2021</b> , 227, 117693	7.9	8



37	Non-negative data-driven mapping of structural connections with application to the neonatal brain. <i>NeuroImage</i> , <b>2020</b> , 222, 117273	7.9	7
36	Modeling an equivalent b-value in diffusion-weighted steady-state free precession. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 873-884	4.4	7
35	Bayesian Optimisation of Large-Scale Biophysical Networks. <i>NeuroImage</i> , <b>2018</b> , 174, 219-236	7.9	7
34	A gyral coordinate system predictive of fibre orientations. <i>NeuroImage</i> , <b>2018</b> , 176, 417-430	7.9	7
33	MR Diffusion Tractography <b>2014</b> , 429-451		7
32	Image Processing and Quality Control for the first 10,000 Brain Imaging Datasets from UK Biobank		6
31	Cross-species cortical alignment identifies different types of neuroanatomical reorganization in the temporal lobe of higher primates		5
30	Feasibility of Diffusion Tensor and Morphologic Imaging of Peripheral Nerves at Ultra-High Field Strength. <i>Investigative Radiology</i> , <b>2018</b> , 53, 705-713	10.1	5
29	Human decisions about when to act originate within a basal forebrain-nigral circuit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11799-11810	11.5	4
28	Functional and diffusion MRI reveal the neurophysiological basis of neonatesSnxious-stimulus evoked brain activity. <i>Nature Communications</i> , <b>2021</b> , 12, 2744	17.4	4
27	Choice of reference measurements affects quantification of long diffusion time behaviour using stimulated echoes. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 952-959	4.4	3
26	XTRACT - Standardised protocols for automated tractography in the human and macaque brain		3
25	Use of multi-flip angle measurements to account for transmit inhomogeneity and non-Gaussian diffusion in DW-SSFP. <i>NeuroImage</i> , <b>2020</b> , 220, 117113	7.9	3
24	Estimation of Li-Ion Degradation Test Sample Sizes Required to Understand Cell-to-Cell Variability**. <i>Batteries and Supercaps</i> ,	5.6	3
23	Tract-Based Spatial Statistics and Other Approaches for Cross-Subject Comparison of Local Diffusion MRI Parameters <b>2015</b> , 437-464		2
22	Transient spectral events in resting state MEG predict individual task responses. <i>NeuroImage</i> , <b>2020</b> , 215, 116818	7.9	2
21	Cross-Subject Comparison of Local Diffusion MRI Parameters <b>2014</b> , 209-239		2
20	Imaging Structure and Function <b>2014</b> , 585-605		2

19	Joint modelling of diffusion MRI and microscopy		2
18	Towards HCP-Style Macaque Connectomes: 24-Channel 3T Multi-Array Coil, MRI Sequences and Preprocessing		2
17	The Digital Brain Bank, an open access platform for post-mortem datasets		2
16	Imaging Structure and Function <b>2009</b> , 461-480		1
15	Clinical applications of magnetic resonance imaging based functional and structural connectivity. <i>NeuroImage</i> , <b>2021</b> , 244, 118649	7.9	1
14	Whole brain comparative anatomy using connectivity blueprints		1
13	Using GPUs to accelerate computational diffusion MRI: From microstructure estimation to tractography and connectomes		1
12	An empirical, 21st century evaluation of phrenology		1
11	Use of multi-flip angle measurements to account for transmit inhomogeneity and non-Gaussian diffusion in DW-SSFP		1
10	Quantifying myelin in crossing fibers using diffusion-prepared phase imaging: Theory and simulations. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 2618-2634	4.4	1
9	Hierarchical modelling of functional brain networks in population and individuals from big fMRI data		1
8	Accurate predictions of individual differences in task-evoked brain activity from resting-state fMRI using a sparse ensemble learner		1
7	The Digital Brain Bank, an open access platform for post-mortem datasets.. <i>ELife</i> , <b>2022</b> , 11,	8.9	1
6	Hierarchical modelling of functional brain networks in population and individuals from big fMRI data. <i>NeuroImage</i> , <b>2021</b> , 243, 118513	7.9	0
5	Auditory and pain processing is severely disrupted at slow wave activity saturation under general anaesthesia. <i>British Journal of Anaesthesia</i> , <b>2019</b> , 123, e514	5.4	
4	219 A CLINICAL AND IMAGING PROTOCOL FOR THE DETAILED EVALUATION OF CHRONIC NEUROPATHIC PAIN IN MULTIPLE SCLEROSIS. <i>European Journal of Pain</i> , <b>2009</b> , 13, S71a	3.7	
3	486 CHRONIC NEUROPATHIC PAIN IN MULTIPLE SCLEROSIS: CLINICAL AND IMAGING FINDINGS, WITH A SPECIAL FOCUS ON THE THALAMUS. <i>European Journal of Pain</i> , <b>2009</b> , 13, S144b	3.7	
2	Integration of Measures of Functional and Structural MRI. <i>NeuroMethods</i> , <b>2009</b> , 785-809	0.4	

- 1 A Machine Learning Approach to Diffusion MRI Partial Volume Estimation. *Lecture Notes in Computer Science*, **2018**, 42-51 0.9